Conveyability
CONVEYOR AND STORAGE SYSTEMS

CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

PRODUCT CATALOG.

END-TO-END PLANT AUTOMATION SUPPLIER & INTEGRATOR.

Move smarter. Produce more.

Conveyability engineers and integrates conveyor and material handling systems that reduce downtime, improve flow, maximize floor space and support the way your operation actually works. Privately held and owner-managed since 1980.

01 CUSTOM CONVEYORS
02 BELT CONVEYORS
03 ROLLER, GRAVITY & MDR
04 ACCUMULATION
05 CHAIN & HEAVY-DUTY
06 OVERHEAD CONVEYORS
07 FLEXIBLE & EXPANDABLE
08 TRANSFER SYSTEMS
09 VERTICAL CONVEYORS (VRCS)
10 MEZZANINES & PLATFORMS
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17 STRETCH WRAPPING
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19 CONTROL SYSTEMS
20 PALLET HANDLING
21 LOADING & UNLOADING

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

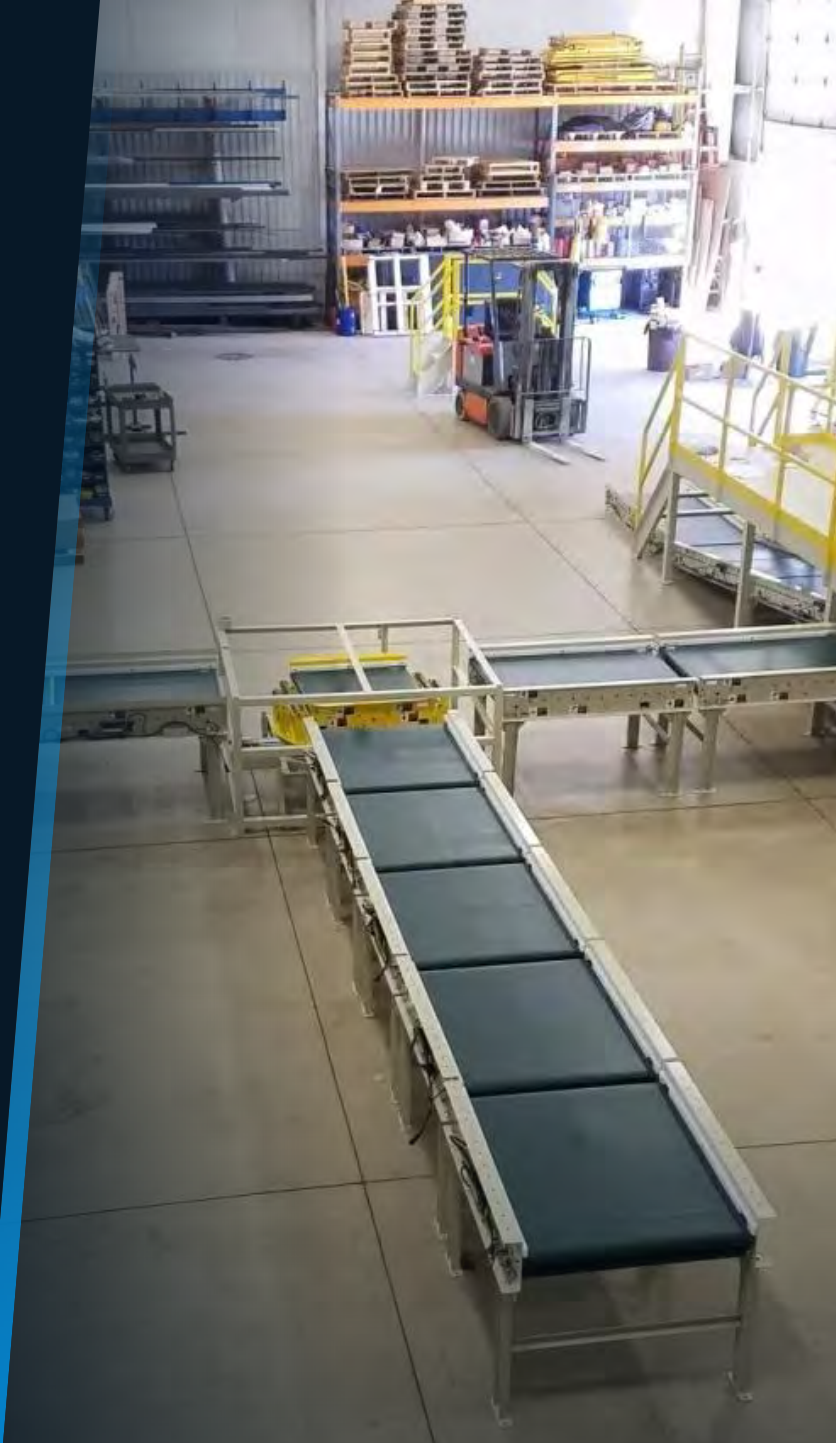
SUPPORT
Built for uptime

ABOUT CONVEYABILITY

ONE TEAM. CONCEPT TO SUPPORT.

Meet Conveyability: conveyor supplier, fabricator, integrator, installer, and service provider.

From a basic unit to a sophisticated computer-controlled system — and every industry in between — the same owner-managed team carries the job from concept to support.



ENGINEERING
Concept, systems and application engineering.

FABRICATION
Design and fabrication of custom equipment.

INTEGRATION
Controls systems integration and project management.

INSTALLATION
Mechanical installation and turnkey systems.

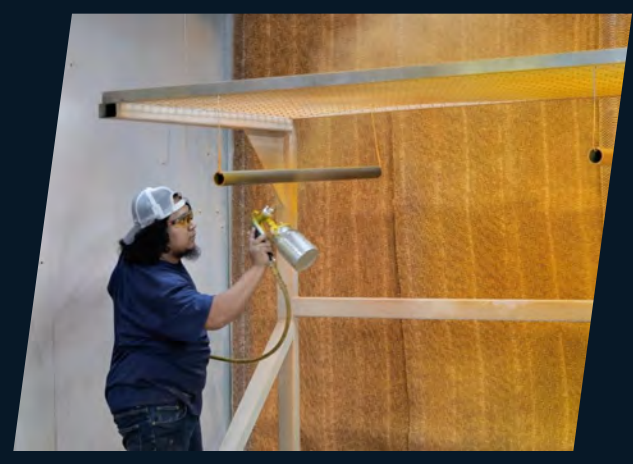
SUPPORT
24-hour emergency service, preventive maintenance and support.

BRAND-AGNOSTIC.

We integrate the right equipment, not a house brand.







Since 1980
Sound material handling solutions for over four decades.

300+ Years
Combined team member material handling experience.

In-house Team
Engineering, fabrication, controls, and installation.

Turnkey
From concept and layout through startup and support.

ABOUT CONVEYABILITY

ONE VENDOR. NO EXCUSES.

PRIVATELY HELD. OWNER-MANAGED. SINCE 1980.

Most projects don't break at the equipment. They break at the seams between vendors. We don't have those seams: engineering, fabrication, controls and installation are all in-house, so when something has to change on a shutdown Saturday, there's one number to call.

- CONCEPT & SYSTEMS ENGINEERING
- CUSTOM FABRICATION
- CONTROLS INTEGRATION
- PROJECT MANAGEMENT
- TURNKEY INSTALLATION
- PREVENTIVE MAINTENANCE
- 24-HOUR EMERGENCY SERVICE

WHY PLANTS CALL US:

ONE TEAM, NO HANDOFFS

Engineering, fabrication, controls and install stay in-house. We don't sub out the install.

SHORT LEAD TIMES

Our own fab shop means saying yes doesn't take three approvals and a change-order committee.

PARTS MISSING? WE BUILD THEM

Parts, guards and supports are built in-house instead of waiting on someone else's schedule.

THE RIGHT FIX, NOT THE BIGGEST

Keep what works, fix what doesn't, and upgrade only where the system has outgrown the old answer.

THE PLANT YOU ALREADY HAVE

Mixed manufacturers, old drawings and legacy controls are normal inputs, not edge cases.

24-HOUR EMERGENCY SERVICE

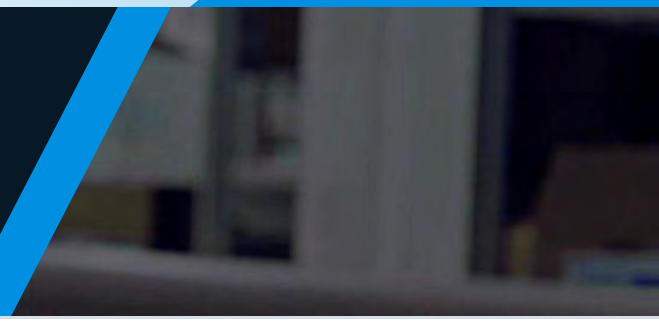
When the line is down, someone answers, and they already know your line.

INDUSTRIES

- Aerospace
- Automotive
- Building Materials
- Car Wash
- Chemical & Food
- Consumer Goods Manufacturing
- Corrugated Packaging
- Distribution & Sortation
- Ecommerce & Fulfillment
- Fabricated Metal & Stamping
- Finishing Systems
- Food & Beverage Processing
- Greenhouses & Nurseries
- Industrial Laundry
- Integrators & Machine Builders
- Manufacturing & Assembly
- Pharmaceutical & Healthcare
- Plastics & Injection Molding
- Recycling
- Tire & Wheel
- Warehousing & Logistics

YOUR FIRST CALL FOR END-TO-END CONVEYOR SOLUTIONS

(800) 798-0410



ABOUT CONVEYABILITY

HOW WE DELIVER.

On time and on budget: one team, no handoffs, start to finish. One walk-through and a decision you can act on.

01

THE CONSTRAINT

Capacity, labor, safety, quality or a failed system. We start where production hurts, not with a catalog.

02

PLANT EVALUATION

We walk the floor: elevations, openings, floor space, existing equipment, controls, access and installation constraints.

03

THE PLAN

The right mix of conveyance, automation and controls. Not the most expensive answer, and no cookie-cutter solutions.

04

BUILD & INSTALL

One machine, one part or a full system build-out: designed, fabricated, wired and installed by the same team that engineered it.

05

FUTURE PROOF

Customers work with us for years. Service, modifications and future changes as production evolves.

WHAT YOU GET AT THE END

- A repair plan you can execute next shutdown.
- A phased system designed around the budget you actually have.
- A focused modification that solves the real constraint.
- Confirmation that the setup just needs maintenance, not money.

TALK TO A CONVEYABILITY ENGINEER

Tell us the problem, the timeline and what you're moving. We'll help you narrow the next step, no drawings required.

(800) 798-0410

Conveyability
CONVEYOR AND STORAGE SYSTEMS

CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

CUSTOM CONVEYORS.

CUSTOM CONVEYOR SYSTEMS AND INTEGRATION.

Get conveyor that fits the columns, machines and elevations you already have.

Real plants have columns in the wrong place, machines that aren't moving, and elevations that don't line up. Those aren't exceptions to the project — they are the project. Conveyability engineers conveyor around what's already bolted down, using standard equipment where it fits and custom work only where the operation actually needs it.

- PRODUCT ORIENTATION
- GLASS & SOLAR
- WHEEL & TIRE
- STOPS & WALKOVERS
- LAUNDRY CONVEYORS
- LUMBER & DOOR
- PARTS CONVEYORS

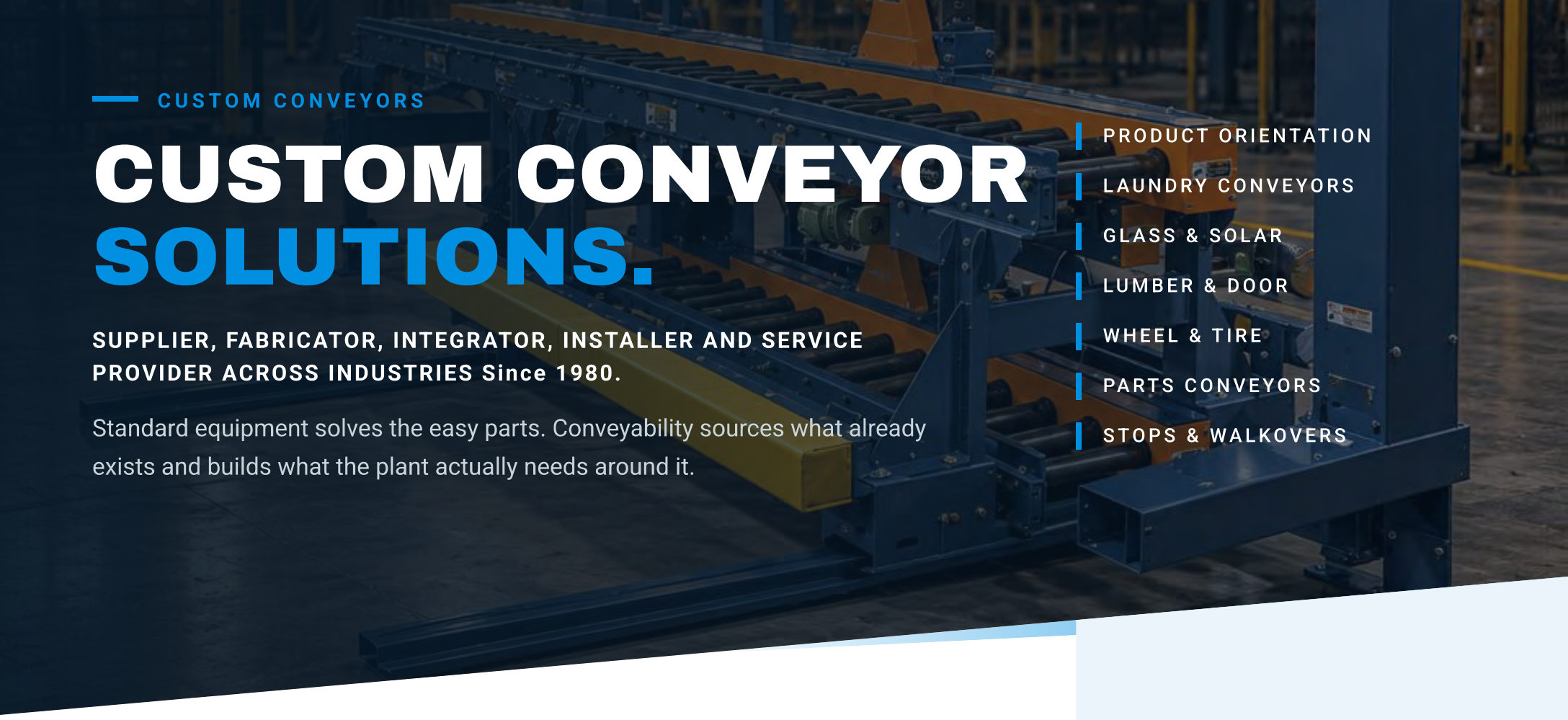
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System design

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CUSTOM CONVEYORS

CUSTOM CONVEYOR SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

Standard equipment solves the easy parts. Conveyability sources what already exists and builds what the plant actually needs around it.

- PRODUCT ORIENTATION
- LAUNDRY CONVEYORS
- GLASS & SOLAR
- LUMBER & DOOR
- WHEEL & TIRE
- PARTS CONVEYORS
- STOPS & WALKOVERS

WHAT THEY SOLVE:

STANDARD ALMOST FITS

Keep the standard equipment and custom-engineer the interface, not the whole system.

MACHINES THAT AREN'T MOVING

We design transitions, supports and routing around equipment never built to share a line.

PRODUCT THAT IS UNUSUAL

Odd size, orientation or weight? Start with the load and how it has to behave in the process.

PRODUCT THAT HAS TO TURN

Upenders and rollovers rotate, flip or upend product for downstream equipment or assembly.

FINISHED OR FRAGILE SURFACES

Banded, covered and non-marking rollers limit contact on glass, solar panels, doors and wheels.

PEOPLE WHO CROSS THE LINE

Stops, barriers and walkovers control product, protect people and keep material flowing.

COMMON INDUSTRIES

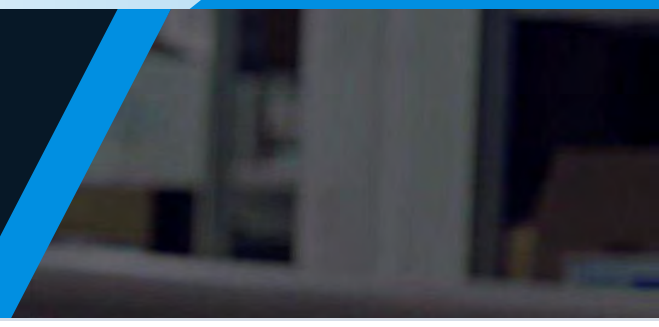
- Aerospace
- Automotive
- Car Wash
- Corrugated Packaging
- Fabricated Metal & Stamping
- Greenhouses & Nurseries
- Industrial Laundry
- Integrators & Machine Builders
- Tire & Wheel

OTHER INDUSTRIES WE SERVE

Building Materials · Cannabis Farms · Chemical & Food · Consumer Goods Manufacturing · Distribution & Sortation · Ecommerce & Fulfillment · Electronics & Electrical · Finishing Systems · Food & Beverage Processing · Manufacturing & Assembly · Medical Device Manufacturing · Packaging & End-of-Line · Pharmaceutical & Healthcare · Plastics & Injection Molding · Recycling · Warehousing & Logistics

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CUSTOM CONVEYORS

CUSTOM CONVEYOR TYPES

Sometimes it is a single transfer. Sometimes it is the whole material path.



PRODUCT ORIENTATION

Rotate, flip or upend product between steps.

ALSO AVAILABLE

180° Panel Rollover



LAUNDRY CONVEYORS

Carts, bins and bulk textiles between stages.



GLASS & SOLAR

Fragile, high-value panels with controlled contact.

ALSO AVAILABLE

Solar Accumulator



LUMBER & DOOR

Boards, panels and finished doors through production.

WHEEL & TIRE

Round, heavy or hot product, positioned accurately.

ALSO AVAILABLE

Tire Centering

PARTS CONVEYORS

Chips, slugs, scrap and small parts, out to the bin.



STOPS & WALKOVERS

Control product, protect people, cross safely.

ALSO AVAILABLE

Walkovers
Hoop Barriers

TALK TO A CONVEYABILITY ENGINEER

Conveyability engineers conveyor around what's already bolted down, standard where it fits and custom only where it counts.

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PRODUCT ORIENTATION

ROTATE, FLIP OR UPEND PRODUCT BETWEEN STEPS.

Product orientation conveyors change the position or facing of products as they move through a line, rotating, flipping or upending them to meet downstream equipment, assembly or packaging needs.

FEATURES & BENEFITS

90° UPENDERS
Reposition large or rigid items from horizontal to vertical, or between planes.

180° ROLLOVERS
Non-marking rollovers invert product while minimizing surface contact.

MECHANICAL OR PNEUMATIC
Mechanical, pneumatic and hydraulic designs for repeatable movement.

TOO HEAVY TO TURN BY HAND
For product too heavy, too large or handled too often to reposition by hand.



ALSO AVAILABLE



180° PANEL ROLLOVER
Rotates panels 180° for the next process.

SPECIFICATIONS PUBLISHED FEATURES

Type	Hydraulic upender
Conveyor Bed	Gravity roller conveyor mounted to the bed assembly
End Stop	36" high
Elevation	20" TOR
Live Load	500 lbs. total
Operation	Raises product to its up position for testing or assembly operations
Discharge	Product moves off the upender tray, or lowers to its original position and conveys off

Figures are from one engineered upender; angle, cycle time and controls are matched to each product.

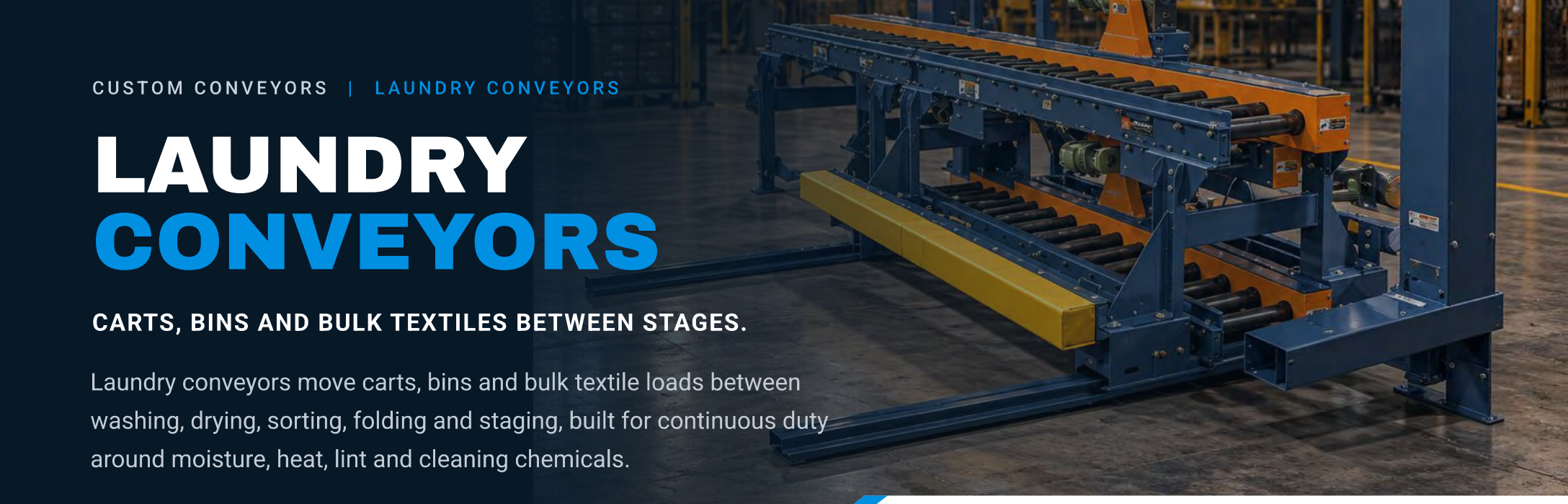
COMMON APPLICATIONS

- Reorienting products for assembly operations
- Positioning items for robotic handling or inspection
- Flipping products before processing or finishing
- Aligning loads for packaging or palletizing
- Transfers between perpendicular conveyors
- Orientation changes within automated lines

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

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LAUNDRY CONVEYORS

CARTS, BINS AND BULK TEXTILES BETWEEN STAGES.

Laundry conveyors move carts, bins and bulk textile loads between washing, drying, sorting, folding and staging, built for continuous duty around moisture, heat, lint and cleaning chemicals.

FEATURES & BENEFITS

BUILT FOR THE LAUNDRY
Continuous operation around moisture, heat, lint and cleaning chemicals.

OPEN DECK CONSTRUCTION
Open deck, heavy duty builds reduce debris buildup and support washdown.

GRIP ON THE INCLINE
Raised crescent nodules on the belt move loose laundry up an incline.

LAUNDRY STAYS ON THE BELT
Knock-down bars, guards and deflectors keep laundry on the belt, not in it.



SPECIFICATIONS PUBLISHED FEATURES

Type	Laundry receiving conveyor, slider bed with crescent belt
Load	Loose laundry loads of 400 lbs.
Infeed Hopper	8' long x 36" high
Infeed	Attached knock-down bars ensure laundry gets on the belt
Guarding	Belt guards and deflectors prevent laundry from tangling in the belt
Belt	Raised crescent nodules provide grip to move laundry up an incline

COMMON APPLICATIONS

- Moving laundry carts between processing areas
- Moving bulk linens to sorting and folding
- Feeding washers, dryers and finishing equipment
- Transfers between wash, dry and pack zones
- Accumulating and staging processed laundry
- Organized material flow across the facility

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GLASS & SOLAR HANDLING

FRAGILE, HIGH-VALUE PANELS WITH CONTROLLED CONTACT.

Glass and solar handling conveyors move fragile, high value panels with controlled contact, precise positioning and predictable motion through cutting, washing, coating, inspection and packing.

FEATURES & BENEFITS

MINIMAL CONTACT POINTS
Polyurethane banded rollers carry panels on narrow bands, not full-width rollers.

VERTICAL ACCUMULATION
Panels stage safely upright, saving floor space and easing downstream access.

NON-MARKING TRANSFERS
Grid turntables and belt transfers change direction and keep orientation.

INSPECTION STATIONS
A safety caged station raises panels vertically for full visual inspection.



ALSO AVAILABLE



SOLAR ACCUMULATOR
Stacks solar panels, with 90° belt transfers.

SPECIFICATIONS PUBLISHED FEATURES

Type	Glass handling accumulator with inspection station
Accumulation	Vertically adjustable station stores glass panels in an upright stack
Rollers	Fitted with polyurethane bands that limit contact points on the panels
Inspection	Integrated safety caged station raises panels vertically for full visual access
Surface Protection	Banded rollers reduce the risk of surface damage or breakage

COMMON APPLICATIONS

- Glass cutting and edging lines
- Solar panel assembly and lamination
- Washing, coating and tempering processes
- Inspection and quality control stations
- Packing and palletizing operations
- Infeed and discharge between automated machines

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LUMBER & DOOR CONVEYORS



BOARDS, PANELS AND FINISHED DOORS THROUGH PRODUCTION.

Lumber and door conveyors move boards, panels and finished doors through cutting, machining, assembly and packaging, handling varying lengths, widths and weights while holding spacing and alignment.

FEATURES & BENEFITS

HEAVY DUTY FRAMES
Built to withstand impact loading and abrasive conditions.

VARYING LENGTHS
Accepts fresh cut boards of various lengths as they leave the saw.

FINISH PROTECTED
PVC-covered rollers and brush-lined rails protect finished doors.

TRANSFERS & SORTING
Puller dogs and skewed rollers move boards off to gravity accumulation.



SPECIFICATIONS PUBLISHED FEATURES

Type	Door accumulator, Poly-V driven roller conveyor
Function	Accumulates finished doors in several heights and thicknesses
Guard	84" high triple channel style guard conveys doors upright
Rollers	PVC covering prevents damage to the finish
Rails	Lined with brushes

COMMON APPLICATIONS

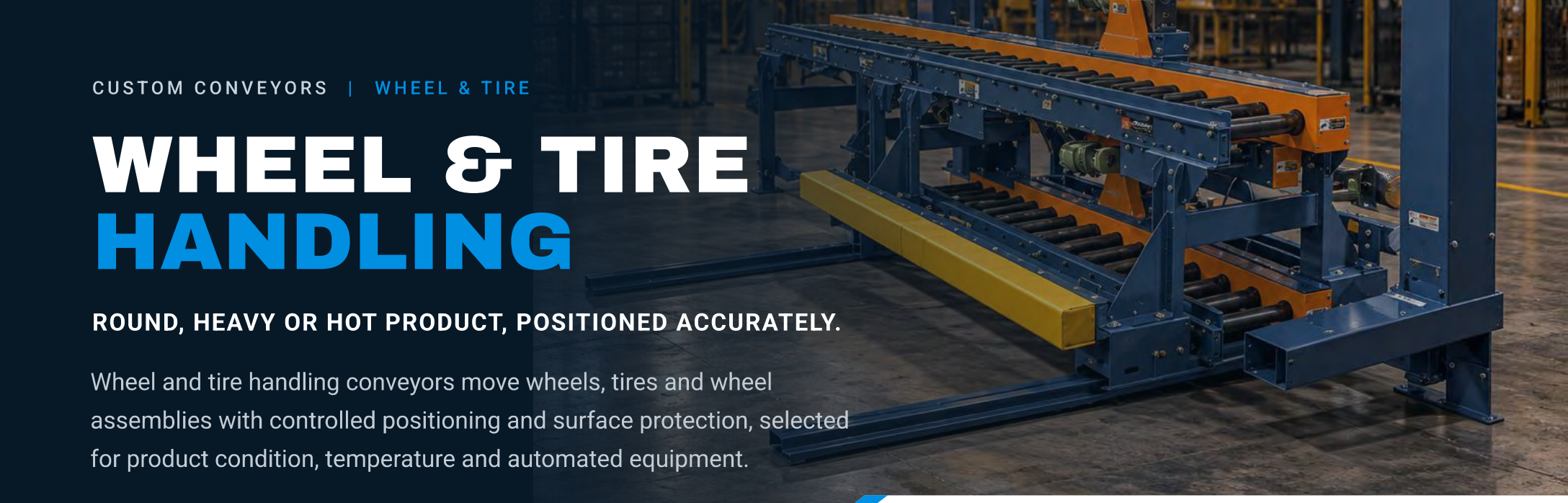
- Lumber through cutting and machining lines
- Door panels between assembly stations
- Feeding sanding and finishing equipment
- Accumulating before packaging or palletizing
- Transfers between production zones
- Infeed and discharge for automated machines

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(800) 798-0410

WHEEL & TIRE HANDLING



ROUND, HEAVY OR HOT PRODUCT, POSITIONED ACCURATELY.

Wheel and tire handling conveyors move wheels, tires and wheel assemblies with controlled positioning and surface protection, selected for product condition, temperature and automated equipment.

FEATURES & BENEFITS

UP TO 700°
Chain drag conveyors rated up to 700° handle parts leaving curing or coating.

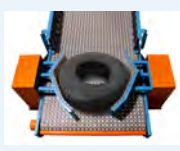
NON-MARKING SURFACES
Urethane roller covers and UHMW wearstrips protect finished wheels.

TIRE CENTERING
Paddles center each tire for robot unloading while the belt keeps running.

BUILT FOR AUTOMATION
Type, orientation and controls set for consistent flow and positioning.



ALSO AVAILABLE



TIRE CENTERING
Centers tires on the belt for robot pickup.

SPECIFICATIONS PUBLISHED FEATURES

Type	High temperature chain drag conveyor
Product Temperature	Designed to withstand 700° product
Product	Wheels 16" to 22" dia., standing on end, 50 lbs. each
Chain Drags	On 8-1/2" centers
Line Length	100' long, through the cooling process
Chain	No. 80 flat bar chain set at 67-1/2° angles
Speed	30 FPM

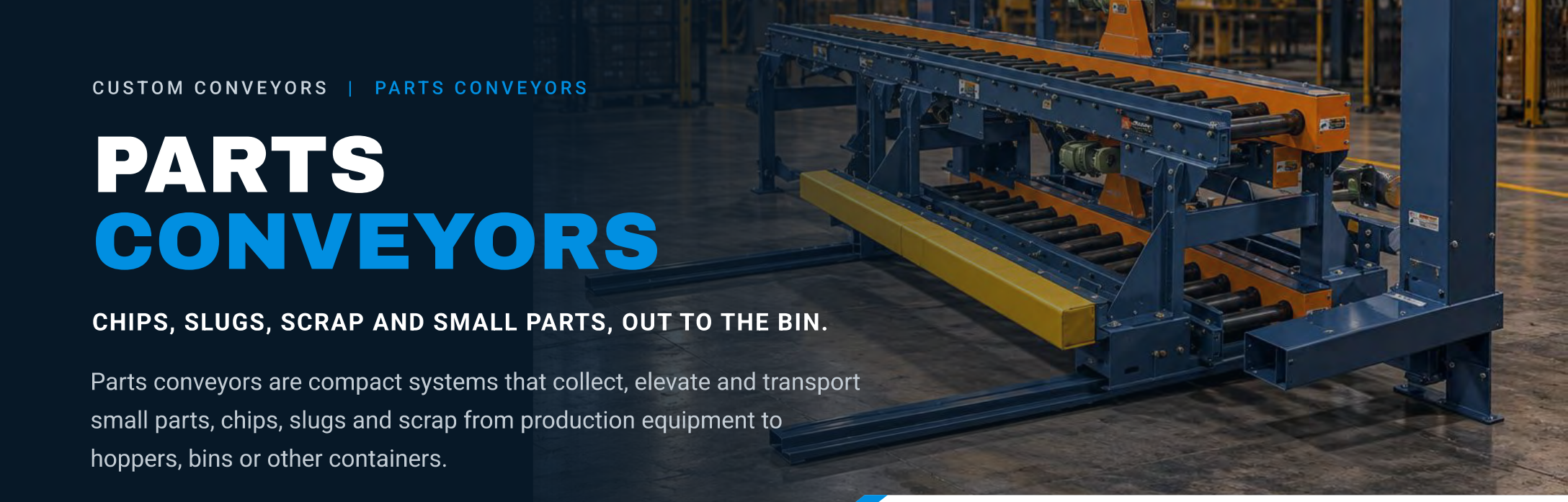
COMMON APPLICATIONS

- Tires through inspection and staging areas
- Wheels and assemblies between process steps
- Feeding tires to robotic handling systems
- Conveying heated parts after curing or coating
- Accumulating before packaging or shipment
- Automated wheel and tire assembly lines

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Conveyability engineers conveyor around what's already bolted down, standard where it fits and custom only where it counts.

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PARTS CONVEYORS

CHIPS, SLUGS, SCRAP AND SMALL PARTS, OUT TO THE BIN.

Parts conveyors are compact systems that collect, elevate and transport small parts, chips, slugs and scrap from production equipment to hoppers, bins or other containers.

FEATURES & BENEFITS



FEEDER SECTION
A horizontal feed section takes parts and scrap straight from the machine.

NITRILE OR WIRE MESH
Nitrile or flat wire mesh belt, with 1-1/2" high cleats on 12" centers.

30°, 36° OR 45° INCLINE
Elevates material into hoppers, bins or other containers.

PORTABLE SUPPORT
Adjustable floor support with 4" dia. casters and bracing.

SPECIFICATIONS STANDARD CONFIGURATION

Belting	3-ply black nitrile belt or 1/2" x 1" flat wire mesh belt, with 1-1/2" high galvanized cleats on 12" centers
Drive Pulley	4" dia. with 1-3/16" dia. shaft, fully lagged with nitrile belt; 4" dia. sprockets with wire mesh belt
Tail Pulley	4" dia. with 1-3/16" dia. shaft
Take-Up	Screw type at tail pulley, 12" belt take-up
Bed / Frame	8" deep x 12 ga. enclosed box type construction with 14 ga. steel belt return pan
Bearings	Precision heavy duty lubricated ball bearing units with cast iron housings
Belt Speed	35 FPM constant
Minimum Part Size	1/2" cube for nitrile belt, 1" cube for flat wire mesh belt
Incline	30°, 36° or 45° (specify)
Portable Support	Adjustable floor support with 4" dia. casters and bracing
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Capacity	350 lbs. total distributed load
Roller Chain	No. 50 chain at drive pulley; chain take-up on motor base

OPTIONS

Drive Clearance | Floor Supports | Belt Speed | Motors | Controls

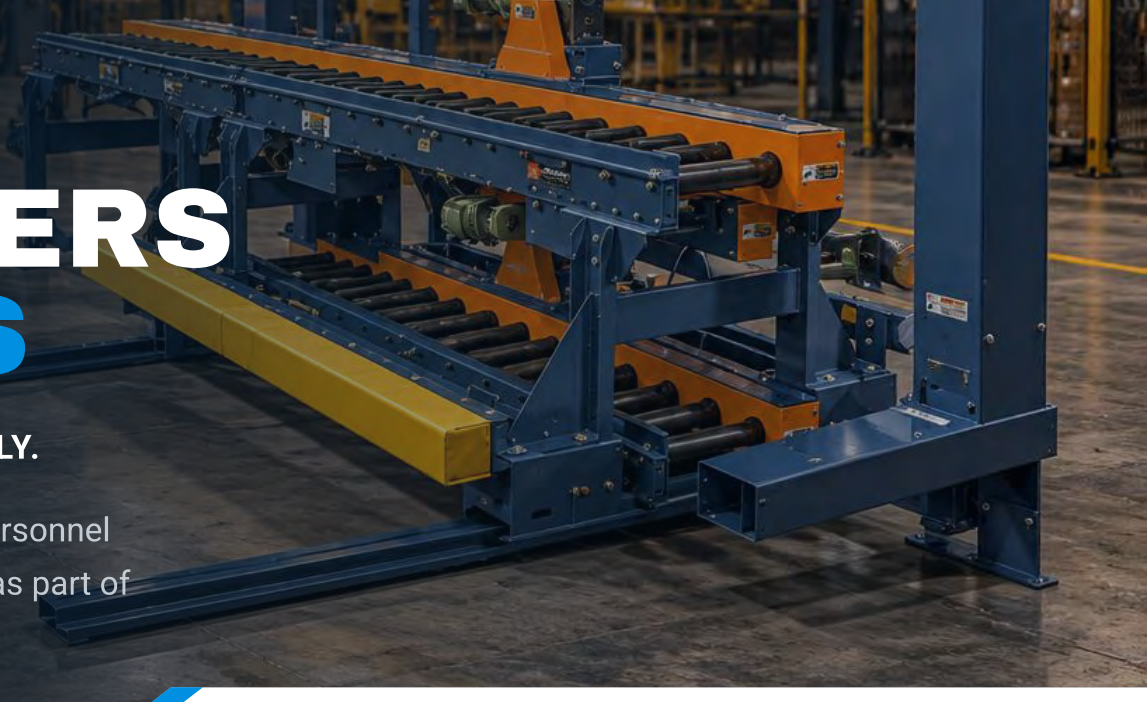
COMMON APPLICATIONS

- Collecting chips, slugs and scrap
- Transporting small manufactured parts
- Feeding hoppers or storage bins
- Clearing debris from machining centers
- Pipe fittings, fasteners and molded parts

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STOPS, BARRIERS & WALKOVERS

CONTROL PRODUCT, PROTECT PEOPLE, CROSS SAFELY.

Stops, barriers and walkovers control product flow, protect personnel and provide safe access across conveyor systems, installed as part of an integrated conveyor layout.

FEATURES & BENEFITS

FIXED END STOPS
Product and forklift stops are lagged to the floor for a firm end stop.

PERSONNEL BARRIERS
Barriers between moving parts and workers, with infeed and outfeed openings.

WALKOVERS & CROSSOVERS
Personnel cross conveyor lines without interrupting material flow.

BOLTED, NOT WELDED
Tube supports assemble without welding and can be modified or relocated.



ALSO AVAILABLE



WALKOVERS
Cross conveyor lines without stopping flow.



HOOP BARRIERS
Keeps carts and forklifts clear of workers.

SPECIFICATIONS PUBLISHED FEATURES

Type	Tubular mezzanine and conveyor support structure
Supports	Mezzanines, platforms and conveyors
Members	Precision cut tubing with integrated slots and cutouts
Joints	Elbow, tee and cross joints assemble without welding
Reinforcement	Stiffener brackets at the joints
Installation	Modular: faster installation, accurate alignment, later modification or relocation

COMMON APPLICATIONS

- Controlling load position on conveyor lines
- Protecting personnel from moving equipment
- Defining restricted areas around machinery
- Safe walkover access across conveyors
- Maintenance and operational access
- Managing infeed and discharge zones

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TALK TO A CONVEYABILITY ENGINEER

READY TO LAUNCH A NEW LINE OR FIND MORE CAPACITY IN YOUR FACILITY?

Move Smarter, Produce More.

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Call (800) 798-0410

Request a Plant Evaluation →

CALL

(800) 798-0410
Mon – Fri 8AM – 5PM ET

EMAIL

info@conveyability.com
conveyability.com/contact

COME SEE THE SHOP

2889 Northridge Drive NW
Grand Rapids, MI 49544

24-HOUR SERVICE

Emergency service when the line is down.

Conveyability
CONVEYOR AND STORAGE SYSTEMS

Conveyor & storage systems integrator — Grand Rapids, MI

Conveyability
CONVEYOR AND STORAGE SYSTEMS

CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

BELT CONVEYORS.

BELT CONVEYOR SYSTEMS AND INTEGRATION.

Carry bags, small parts and odd shapes that would fall straight through rollers.

Belt conveyor is the most commonly used powered conveyor in industry for a reason — versatile design, easy installation and straightforward maintenance, with a continuous surface that carries what rollers can't: bags, small parts, irregular shapes, long distances, changes in elevation. Conveyability specifies the bed, belt and drive around your product, then fabricates, installs and supports the line as one team.

- SLIDER BED
- ROLLER BED
- MODULAR PLASTIC BELT
- LOW-PROFILE PRECISION
- BOX-STYLE SLIDER BED
- INCLINE & DECLINE
- WIRE MESH BELT

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime

BELT CONVEYORS

BELT CONVEYOR SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

A belt line is bed, belt, drives, transfers and controls that have to agree. Conveyability sources the standard sections and builds the rest.

- SLIDER BED
- BOX-STYLE SLIDER BED
- ROLLER BED
- INCLINE & DECLINE
- MODULAR PLASTIC BELT
- WIRE MESH BELT
- LOW-PROFILE PRECISION

WHAT THEY SOLVE:

PRODUCT THAT FALLS THROUGH ROLLERS OR GETS STUCK

A continuous belt carries parts, bags and odd shapes that would fall between or hang up on rollers.

PRODUCT THAT CHANGES LEVELS

Belt climbs and descends where rollers can't, between floor levels, mezzanines and machines.

HEAVY LOADS AND LONG RUNS

A roller bed cuts friction so heavier loads and longer runs don't overwork the drive.

WORK DONE ALONGSIDE THE LINE

A slider bed is quiet, economical and right for packing, testing, inspection and assembly.

CURVES, HEAT AND WASHDOWN

Modular plastic belts follow curves and clean up; wire mesh lets air, heat, cooling or liquids reach the product.

TRACKING, SLIPPAGE AND DAMAGE

Usually a belt mismatched to the job. Most existing lines can be corrected without replacement.

COMMON INDUSTRIES

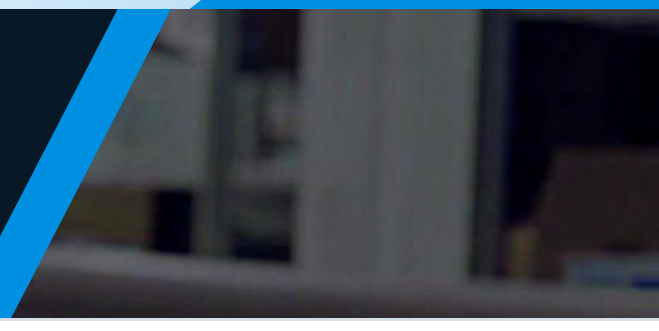
- Automotive
- Building Materials
- Consumer Goods Manufacturing
- Corrugated Packaging
- Ecommerce & Fulfillment
- Electronics & Electrical
- Food & Beverage Processing
- Plastics & Injection Molding
- Recycling

OTHER INDUSTRIES WE SERVE

Aerospace · Cannabis Farms · Car Wash · Chemical & Food · Distribution & Sortation · Fabricated Metal & Stamping · Finishing Systems · Greenhouses & Nurseries · Industrial Laundry · Integrators & Machine Builders · Manufacturing & Assembly · Medical Device Manufacturing · Packaging & End-of-Line · Pharmaceutical & Healthcare · Tire & Wheel · Warehousing & Logistics

YOUR FIRST CALL FOR END-TO-END CONVEYOR SOLUTIONS

(800) 798-0410



BELT CONVEYORS

BELT CONVEYOR TYPES

Bed, path, belt and workstation — get these right and the conveyor disappears into the background.

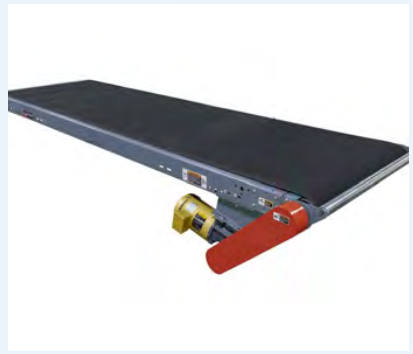


SLIDER BED

Smooth, quiet, economical transport of lighter loads.

ALSO AVAILABLE

Box style slider bed
Trough bed



BOX-STYLE SLIDER BED

Built for the workstation line.

ALSO AVAILABLE

Dual lane



ROLLER BED

Heavier loads and longer runs, with less friction.

ALSO AVAILABLE

Medium duty



INCLINE & DECLINE

Move product between elevations.

ALSO AVAILABLE

Slider bed incline



MODULAR PLASTIC BELT

Interlocking segments for curves, cleaning and small parts.

ALSO AVAILABLE

Flush grid curve
Heavy duty

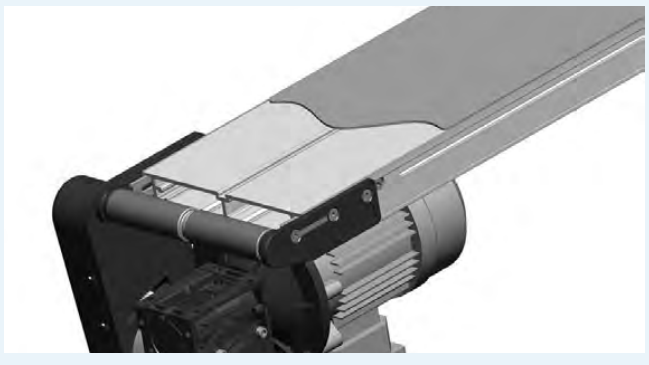


WIRE MESH BELT

For product that needs air, heat, cooling or liquids.

ALSO AVAILABLE

Slider bed
Heavy duty roller bed



LOW-PROFILE PRECISION

Precise handling of products in small spaces.

TALK TO A CONVEYABILITY ENGINEER

Send what rides the belt, how it's loaded and where it transfers — tracking trouble usually starts at one of those three.

(800) 798-0410



SLIDER BED BELT CONVEYORS

SMOOTH, QUIET, ECONOMICAL TRANSPORT OF LIGHTER LOADS.

A slider bed belt conveyor is a widely used solution for medium duty conveying, featuring a solid bed that supports consistent belt tracking and product stability.

FEATURES & BENEFITS

QUIET & ECONOMICAL
The belt slides over a smooth steel bed — right for lighter loads.

CONSISTENT TRACKING
A solid bed supports belt tracking and product stability.

REVERSIBLE OPTION
End drive for one direction; optional center drive for reversing.

BUILT FOR WORK ALONGSIDE
Packing, testing, inspection and assembly work alongside the line.



ALSO AVAILABLE



BOX STYLE SLIDER BED
Medium duty, box style frame.



TROUGH BED
Trough bed belt conveyor.

SPECIFICATIONS STANDARD CONFIGURATION

Belt Width	6", 12", 18", 24", 30", 36"
Belting	PVC-120 black
Drive Pulley	4" dia. with 1-3/16" dia. shaft OR 8" dia. with 1-7/16" dia. shaft; crowned and fully lagged
Tail Pulley	4" dia., crowned, with 1-3/16" dia. shaft
Drive Arrangement	End drive for one-direction; optional center drive for reversible application
Take-Up	Screw type at tail pulley provides 12" belt take-up
Bearings	Precision, heavy duty, lubricated ball bearing units with cast iron housings
Return Rollers	1.9" dia. x 16 ga. steel, adjustable
Belt Speed	60 FPM, constant
Bed / Frame	7" x 12 ga. channel frame with 14 ga. slider bed (9"-27" BF); 12 ga. bed (33" BF and above) with bed pan braces
Motor Drive	1/2 HP, 230/460/3, 60 cycle, right angle gear motor
Roller Chain	No. 50 chain for 1-1/2 HP or less; No. 60 chain on larger drives; chain take-up on motor base
Safety Pop-Out Rollers	Standard on both ends, 1.9" dia. x 16 ga. steel roller

OPTIONS

- Center Drive
- Side Mounted End Drive
- Overhead End Drive
- Auxiliary Take-Up
- Side Tables
- Floor Supports
- Nose-Over
- Undertrussed Bed
- Ceiling Hangers
- Guard Rails
- Belt Speed
- Motors
- Controls

COMMON APPLICATIONS

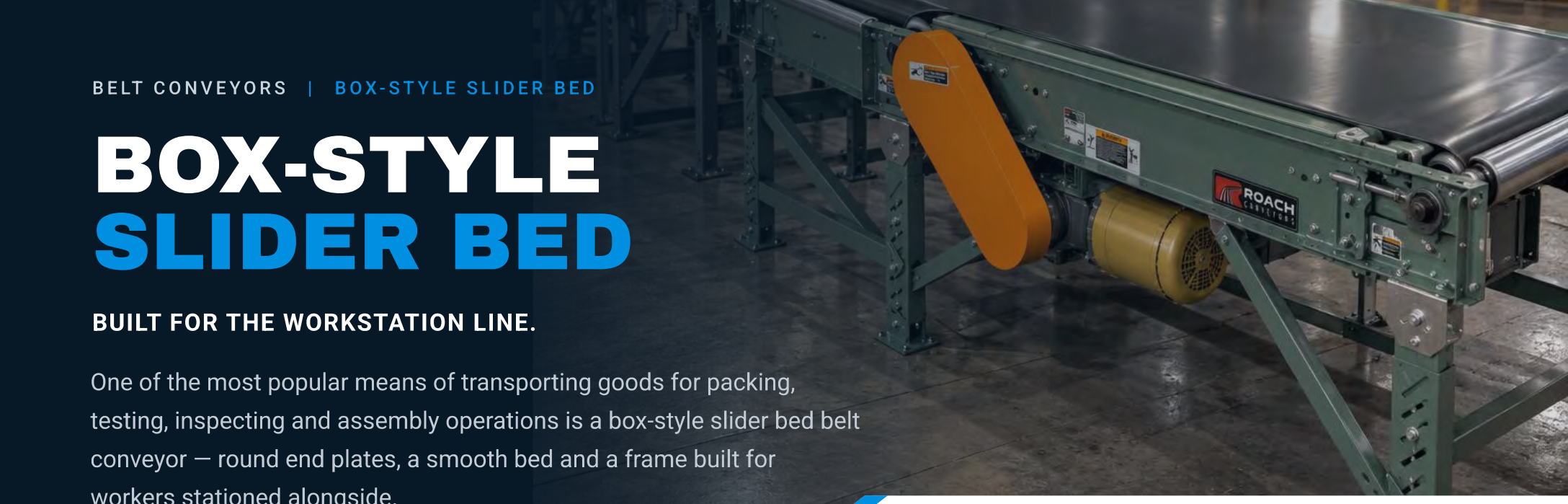
- Convey cartons and cardboard boxes
- Transport totes and reusable containers
- Move fixtures and work-in-process components
- Meter and space packages for downstream equipment
- Accumulate or brake products between process steps
- Elevate or lower unit loads between operating levels

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability specifies the bed, belt and drive around your product, then fabricates, installs and supports the line as one team.

(800) 798-0410

BOX-STYLE SLIDER BED



BUILT FOR THE WORKSTATION LINE.

One of the most popular means of transporting goods for packing, testing, inspecting and assembly operations is a box-style slider bed belt conveyor — round end plates, a smooth bed and a frame built for workers stationed alongside.

FEATURES & BENEFITS

LOW-PROFILE SURFACE
A solid, low-profile conveying surface for general package handling.

WORKER-FRIENDLY FRAME
Round end plates and a frame built for workers stationed alongside.

FEWER PINCH POINTS
Pop-out rollers mount into a slotted bracket that eliminates pinch points.

SPECIFIED TO THE STATION
Width, length and drive specified around the station; stands and guides built to fit.



ALSO AVAILABLE



DUAL LANE
Box-style slider bed, two lanes.

SPECIFICATIONS STANDARD CONFIGURATION

Belt Width	6", 12", 18", 24", 30", 36"
Belting	PVC-120 black
Drive Pulley	4" dia. with 1-3/16" dia. shaft OR 8" dia. with 1-7/16" dia. shaft; crowned and fully lagged
Tail Pulley	4" dia., crowned, with 1-3/16" dia. shaft
Drive Arrangement	End drive for one-direction; optional center drive for reversible application
Take-Up	Screw type at tail pulley provides 12" belt take-up
Bearings	Precision, heavy duty, lubricated ball bearing units with cast iron housings
Return Rollers	1.9" dia. x 16 ga. steel, adjustable
Belt Speed	60 FPM, constant
Bed / Frame	4-1/2" x 12 ga. channel frame with 14 ga. slider bed (9"-27" BF); 12 ga. bed (33" BF and above) with bed pan braces
Motor Drive	1/2 HP, 230/460/3, 60 cycle, right angle gear motor
Roller Chain	No. 50 chain for 1-1/2 HP or less; No. 60 chain on larger drives; chain take-up on motor base
Safety Pop-Out Rollers	Mounts into slot on bracket; connector bracket eliminates pinch points

OPTIONS

Center Drive · Side Mounted End Drive · Overhead End Drive · Auxiliary Take-Up · Side Tables · Floor Supports · Nose-Over · Undertrussed Bed · Ceiling Hangers · Guard Rails · Belt Speed · Motors · Controls

COMMON APPLICATIONS

- Convey cartons and cardboard boxes
- Transport totes and reusable containers
- Move fixtures and work-in-process components
- Meter and space packages for downstream equipment
- Accumulate or brake products between process steps
- Elevate or lower unit loads between operating levels

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ROLLER BED BELT CONVEYORS

HEAVIER LOADS AND LONGER RUNS, WITH LESS FRICTION.

A roller bed belt conveyor balances increased carrying capacity with the economy of a belt conveyor by introducing a roller support structure beneath the belt.

FEATURES & BENEFITS

LESS FRICTION
The belt rides on rollers, so heavier loads and longer runs don't overwork the drive.

MORE CAPACITY
Increased carrying capacity with the economy of a belt conveyor.

WIDE RANGE OF WIDTHS
Belt widths from 12" to 54" on the heavy duty model.

STAYS SQUARE
Adjustable squaring rods standard on all units over 30'.



ALSO AVAILABLE



MEDIUM DUTY
Medium duty roller bed belt conveyor.

SPECIFICATIONS STANDARD CONFIGURATION

Belt Width	12", 18", 24", 30", 36", 42", 48", 54"
Belting	PVC-120 black
Drive Pulley	8" dia. with 1-7/16" dia. shaft (15"-39" BF); 12" dia. with 1-15/16" dia. shaft (above 39" BF); crowned and fully lagged
Carrier Rollers	2-1/2" dia. x 11 ga. steel
Tail Pulley	4" dia. with 1-3/16" dia. shaft (15"-39" BF); 6" dia. with 1-7/16" dia. shaft (above 39" BF); crowned
Drive Arrangement	End drive for one-direction; optional center drive for reversible application
Squaring Rods	Adjustable rods on underside of bed; standard on all units over 30'
Take-Up	Screw type at tail pulley provides 12" belt take-up
Bearings	Precision, heavy duty, lubricated ball bearing units with cast iron housings
Return Rollers	1.9" dia. x 16 ga. steel, adjustable
Belt Speed	35 FPM, constant
Bed / Frame	7" x 10 ga. channel frame; bed sections attached with couplings and floor supports
Motor Drive	1 HP, 230/460/3, 60 cycle, ODP right angle gear motor
Roller Chain	No. 50 chain for 1-1/2 HP or less; No. 60 chain on larger drives; chain take-up on motor base
Safety Pop-Out Rollers	Standard on both ends: 1.9" dia. x 12 ga. steel on 15"-39" BF; 1.9" x 9 ga. steel on 45"-57" BF

OPTIONS

- Center Drive
- Side Mounted End Drive
- Overhead End Drive
- Auxiliary Take-Up
- Side Tables
- Floor Supports
- Nose-Over
- Undertrussed Bed
- Ceiling Hangers
- Guard Rails
- Belt Speed
- Motors
- Controls

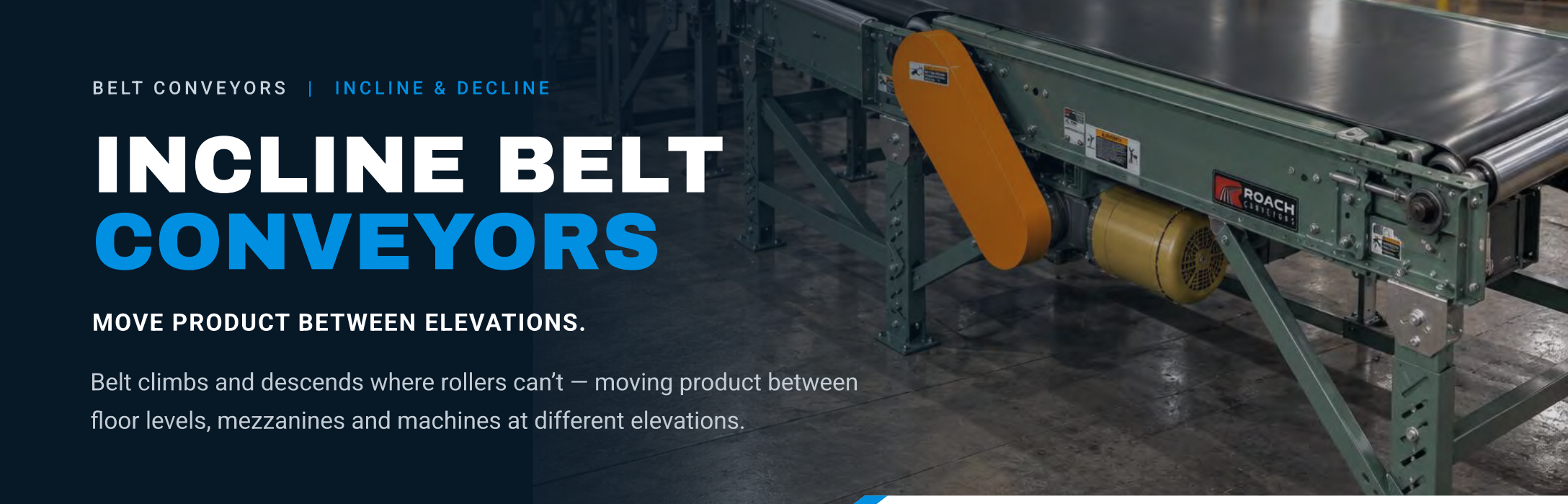
COMMON APPLICATIONS

- Convey cartons and cardboard boxes
- Transport totes and reusable containers
- Move fixtures and work-in-process components
- Meter and space packages for downstream equipment
- Accumulate or brake products between process steps
- Elevate or lower unit loads between operating levels

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability specifies the bed, belt and drive around your product, then fabricates, installs and supports the line as one team.

(800) 798-0410



INCLINE BELT CONVEYORS

MOVE PRODUCT BETWEEN ELEVATIONS.

Belt climbs and descends where rollers can't — moving product between floor levels, mezzanines and machines at different elevations.

FEATURES & BENEFITS

BETWEEN ELEVATIONS
Floor levels, mezzanines and machines at different elevations.

ROLLER SUPPORT
Elevates medium duty products while reducing belt friction.

ROUGH-TOP BELT
Rough-top belts, cleats and nose-over transitions extend the range.

ANGLE SIZED TO YOUR PRODUCT
We size the angle from your product, not a rule of thumb.



ALSO AVAILABLE



SLIDER BED INCLINE
Slider bed incline belt conveyor.

SPECIFICATIONS STANDARD CONFIGURATION

Belt Width	12", 18", 24", 30", 36"
Belting	Black PVC rough-top
Drive Pulley	8" dia. with 1-7/16" dia. shaft; crowned and fully lagged
Carrier Rollers	1.9" dia. x 16 ga. steel rollers
Tail Pulley	4" dia., crowned, with 1-3/16" dia. shaft
Drive Arrangement	Center drive, reversible, with 24" belt take-up
Nose-Over	Single nose-over adjust 0-20 degrees; double nose-over adjust 0-35 degrees
Bearings	Precision, heavy duty, lubricated ball bearing units with cast iron housings
Return Rollers	1.9" dia. x 16 ga. steel, adjustable
Belt Speed	60 FPM, constant
Bed / Frame	7" x 12 ga. channel frame
Motor Drive	1/2 HP, 230/460/3, 60 cycle, right angle gear motor
Roller Chain	No. 50 chain for 1-1/2 HP or less; No. 60 chain on larger drives; chain take-up on motor base

OPTIONS

Center Drive · Side Mounted End Drive · Overhead End Drive · Auxiliary Take-Up · Side Tables · Floor Supports · Nose-Over · Undertrussed Bed · Ceiling Hangers · Guard Rails · Belt Speed · Motors · Controls

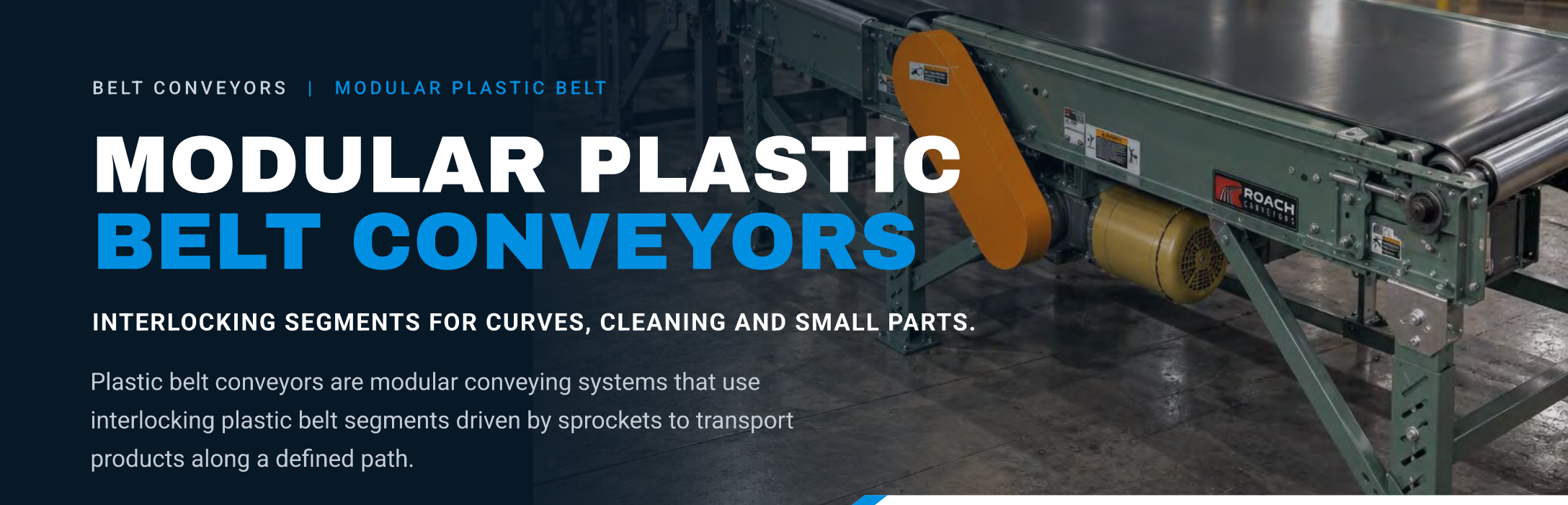
COMMON APPLICATIONS

- Convey cartons and cardboard boxes
- Transport totes and reusable containers
- Move fixtures and work-in-process components
- Meter and space packages for downstream equipment
- Accumulate or brake products between process steps
- Elevate or lower unit loads between operating levels

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MODULAR PLASTIC BELT CONVEYORS

INTERLOCKING SEGMENTS FOR CURVES, CLEANING AND SMALL PARTS.

Plastic belt conveyors are modular conveying systems that use interlocking plastic belt segments driven by sprockets to transport products along a defined path.

FEATURES & BENEFITS

CURVES
Minimum radius of 2.2 × belt width, measured from the inside edge.

FDA & USDA APPROVED
Polypropylene flush grid belt, FDA and USDA approved.

SPROCKET DRIVEN
Interlocking belt segments driven by sprockets along a defined path.

SMALL PARTS & PACKAGES
Small parts, containers and packaged goods.



ALSO AVAILABLE



FLUSH GRID CURVE
Flush grid plastic belt curve conveyor.



HEAVY DUTY
Heavy duty plastic belt conveyor.

SPECIFICATIONS STANDARD CONFIGURATION

Belting	Flush grid gray curved polypropylene belt, FDA and USDA approved
Drive Sprockets	5.3 in. pitch dia. with 1.5 in. square bore. Optional 6.3 in. or 7.7 in. pitch dia. sprockets with 1.5 in. or 2.5 in. square bore
Tail Sprockets	5.3 in. pitch dia. with 1.5 in. square bore. Optional 6.3 in. or 7.7 in. pitch dia. sprockets with 1.5 in. or 2.5 in. square bore
End Drive	Allows one-direction operation only; conveyor is not reversible
Bearings	Precision heavy duty lubricated ball bearing units with cast iron housings
Bed / Frame	7 in. x 1-1/2 in. x 10 ga. formed steel channel frame with UHMW wearstrips attached to bed and belt return pan
Take-Up	Catenary type located at discharge end
Minimum Radius	2.2 x belt width measured from inside edge of belt
Tangents	Minimum 1.5 x belt width at each end; minimum 3 ft at discharge end required, 5 ft recommended. Optional additional tangent at discharge
Belt Speed	60 FPM constant
Direction of Flow	Specify right hand or left hand
Motor Drive	1/2 HP, 230/460/3, 60 cycle, right angle gear motor
Roller Chain	Drive shaft driven by No. 50 roller chain

OPTIONS

Floor Supports | Ceiling Hangers | Guard Rails | Belt Speed | Motors | Controls

COMMON APPLICATIONS

- Product transport through packaging lines
- Accumulation and buffering between processes
- Inclined conveying of cartons or components
- Curved routing around equipment
- Handling of small parts, containers, and packaged goods

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability specifies the bed, belt and drive around your product, then fabricates, installs and supports the line as one team.

(800) 798-0410

WIRE MESH BELT CONVEYORS



FOR PRODUCT THAT NEEDS AIR, HEAT, COOLING OR LIQUIDS.

Wire mesh belt conveyors are used where product exposure to air, heat, cooling, or liquids is required during conveying.

FEATURES & BENEFITS

OPEN TO AIR & LIQUID
Product exposure to air, heat, cooling or liquids while it moves.

PROCESS LINES
Oven, cooling, drying, washdown, spray and curing lines.

OPEN FRAME
Open type formed channel frame with UHMW wear strips.

WASHDOWN READY
Shown with optional spray down motor and reducer.



ALSO AVAILABLE



SLIDER BED
Wire mesh belt conveyor.



HEAVY DUTY ROLLER BED
Heavy duty roller bed with wire mesh belt.

SPECIFICATIONS STANDARD CONFIGURATION

Belting	1/2" x 1" x 11 ga. clinched edge, galvanized wire mesh belt
Drive Sprockets	4" dia. with 1-3/16" dia. shaft; 8" dia. with 1-7/16" dia. shaft
Tail Sprockets	4" dia. sprocket with 1-3/16" dia. shaft
End Drive	One-direction unit operation
Take-Up	Screw type unit at tail end provides 12" belt take-up
Bed / Frame	7" x 1-1/2" x 10 ga. open type formed channel frame with UHMW wear strips
Return Rollers	1.9" dia. x 16 ga. steel, adjustable
Belt Speed	60 FPM, constant
Bearings	Drive and tail shaft bearings are precision, heavy duty, lubricated ball bearing units with cast iron housings
Motor Drive	1/2 HP, 230/460/3, 60 cycle, right angle gear motor
Roller Chain	Drive shaft driven by No. 50 roller chain for 1-1/2 HP or less and No. 60 chain on larger drives; chain take-up provided on motor base

OPTIONS

Belting | Floor Supports | Speed | Motors | Controls

COMMON APPLICATIONS

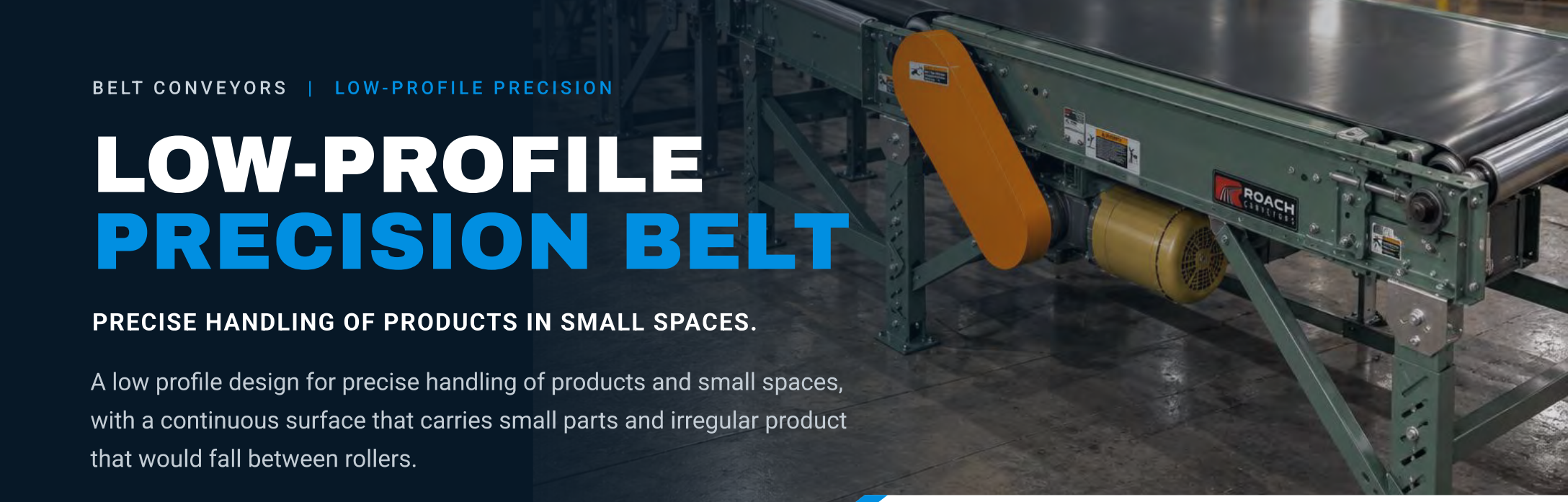
- Oven and heat processing lines
- Cooling and drying conveyors
- Washdown and sanitation systems
- Spray coating or rinsing operations
- Product curing or conditioning processes

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(800) 798-0410

LOW-PROFILE PRECISION BELT



PRECISE HANDLING OF PRODUCTS IN SMALL SPACES.

A low profile design for precise handling of products and small spaces, with a continuous surface that carries small parts and irregular product that would fall between rollers.

FEATURES & BENEFITS

PRECISE HANDLING
Low profile design for precise handling of products and small spaces.

GUIDED TRACKING
V-groove bedplate with guided belt holds tracking under side loads.

UP TO 400 FPM
Belt speeds up to 400 FPM (122 m/min).

COMPACT SIZES
Belt widths from 1.75" to 24"; lengths from 18" to 18'.



SPECIFICATIONS STANDARD CONFIGURATION

Load	Up to 36 kg (80 lbs)*
Belt Speed	Up to 400 FPM (122 m/min)
Belt Widths	44 to 610 mm (1.75 to 24")
Lengths	457 to 5,486 mm (18" to 18 ft)
Pulleys	32 mm (1.25") diameter drive and idler pulleys turn approximately 107 mm (4.2") of belt per revolution
Tracking	V-groove bedplate with guided belt provides belt tracking, even under demanding side load applications
Tracking (Non V-Guided)	Cam tracking standard on Non V-Guided belt conveyors
Drive Shaft	12 mm diameter integral drive shaft with auxiliary shaft location options

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

COMMON APPLICATIONS

- Part handling and assembly
- Small parts, bags and irregular product
- Workers stationed comfortably alongside

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Conveyability specifies the bed, belt and drive around your product, then fabricates, installs and supports the line as one team.

(800) 798-0410

TALK TO A CONVEYABILITY ENGINEER

READY TO LAUNCH A NEW LINE OR FIND MORE CAPACITY IN YOUR FACILITY?

Move Smarter, Produce More.

Conveyability engineers and integrates conveyor and material handling systems that reduce downtime, improve flow, maximize floor space and support the way your operation actually works.

Call (800) 798-0410

Request a Plant Evaluation →

CALL

(800) 798-0410
Mon – Fri 8AM – 5PM ET

EMAIL

info@conveyability.com
conveyability.com/contact

COME SEE THE SHOP

2889 Northridge Drive NW
Grand Rapids, MI 49544

24-HOUR SERVICE

Emergency service when the line is down.

Conveyability
CONVEYOR AND STORAGE SYSTEMS

Conveyor & storage systems integrator — Grand Rapids, MI

Conveyability
CONVEYOR AND STORAGE SYSTEMS

CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

ROLLER CONVEYORS.

ROLLER CONVEYOR SYSTEMS AND INTEGRATION.

Sized to the load, so the line keeps moving instead of backing up.

Roller conveyor moves most of the boxes, totes and pallets in industry — and it fails in predictable ways when the roller centers, bearings or drive style were never matched to the load. Conveyability specifies gravity, live roller, chain-driven and MDR conveyor around your product, rates and environment, then fabricates, installs and supports it as one team.

- GRAVITY ROLLER
- BELT-DRIVEN LIVE ROLLER
- LINE SHAFT
- GRAVITY WHEEL & RAIL
- CHAIN-DRIVEN LIVE ROLLER
- MOTOR-DRIVEN ROLLER

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime

ROLLER CONVEYORS

ROLLER CONVEYOR SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

A roller line is rarely just rollers: it's transfers, guides, controls and the machines on either end. We source the standard and build the rest.

- GRAVITY ROLLER
- GRAVITY WHEEL & RAIL
- BELT-DRIVEN LIVE ROLLER
- CHAIN-DRIVEN LIVE ROLLER
- LINE SHAFT
- MOTOR-DRIVEN ROLLER

WHAT THEY SOLVE:

RUNS WHERE GRAVITY IS ENOUGH

No power, no controls: right for pick lines, staging and runs an operator can push.

PALLETS, DRUMS AND HEAVY LOADS

Chain-driven live roller carries loads that would flatten a standard roller line.

NOISE, POWER AND SAFETY

MDR zones run only when product is present: quiet, safe and energy-efficient.

JAMS, FLAT SPOTS, STALLED BOXES

Usually roller centers, bearing class or drive style. We start with the product and rates.

ACCUMULATION WITHOUT THE CRUSH

Zone-controlled MDR lets product close up gently and release one at a time.

SENSORS AND SCALES ON THE LINE

Belt- or line-shaft-driven live roller leaves room for sensors, scales and accessories.

COMMON INDUSTRIES

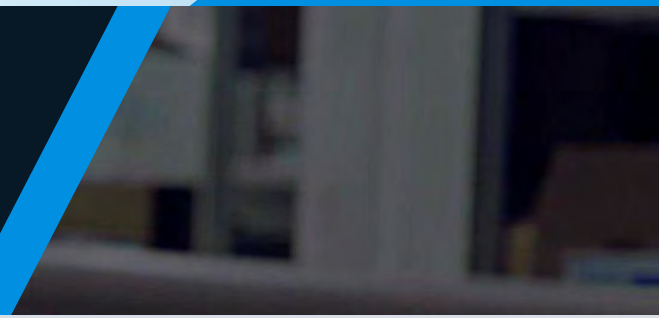
- Aerospace
- Corrugated Packaging
- Distribution & Sortation
- Ecommerce & Fulfillment
- Fabricated Metal & Stamping
- Integrators & Machine Builders
- Manufacturing & Assembly
- Tire & Wheel
- Warehousing & Logistics

OTHER INDUSTRIES WE SERVE

Automotive · Building Materials · Cannabis Farms · Car Wash · Chemical & Food · Consumer Goods Manufacturing · Electronics & Electrical · Finishing Systems · Food & Beverage Processing · Greenhouses & Nurseries · Industrial Laundry · Medical Device Manufacturing · Packaging & End-of-Line · Pharmaceutical & Healthcare · Plastics & Injection Molding · Recycling

YOUR FIRST CALL FOR END-TO-END CONVEYOR SOLUTIONS

(800) 798-0410



ROLLER CONVEYORS

ROLLER CONVEYOR TYPES

The drive style is the real specification decision.



GRAVITY ROLLER

No power, no controls, minimal maintenance.



GRAVITY WHEEL & RAIL

Lightweight, portable and low-profile flow paths.

ALSO AVAILABLE

Rail Wheel



BELT-DRIVEN LIVE ROLLER

Controlled transport, with cam-adjusted pressure.



CHAIN-DRIVEN LIVE ROLLER

Positive traction for pallets, drums and heavy loads.



LINE SHAFT

Many rollers, one drive, for cartons and totes.



MOTOR-DRIVEN ROLLER

24V zones that run only when product is present.

ALSO AVAILABLE

Zero Pressure MDR

TALK TO A CONVEYABILITY ENGINEER

Conveyability specifies gravity, live roller, chain-driven and MDR conveyor around your product, then fabricates, installs and supports it.

(800) 798-0410



GRAVITY ROLLER CONVEYORS

NO POWER, NO CONTROLS, MINIMAL MAINTENANCE.

Gravity roller conveyors move cartons, totes, pallets and irregular loads without powered assistance, right for pick lines, staging and runs where the floor or an operator provides the push.

FEATURES & BENEFITS

NO POWER NEEDED
Product moves without powered assistance: no drives, no controls.

CARTONS TO PALLETS
Accommodates cartons, totes, pallets and irregular loads.

1,300 LBS. PER 10' SECTION
Maximum distributed live load on 10' supports; 3,200 lbs. on 5' centers.

GALVANIZED ROLLERS
1.9" dia. x 16 ga. galvanized steel rollers on spring loaded hex axles.



SPECIFICATIONS STANDARD CONFIGURATION

Rollers	1.9" dia. x 16 ga. galvanized steel tubing, smooth swaged ends
Frames	3-1/2" x 1-1/2" x 10 ga. formed steel painted channel set high; 4-1/2" x 1-1/2" x 10 ga. set low
Frame Capacity	250 lbs. per roller; 1,300 lbs. max. distributed live load per 10' section on 10' supports, 3,200 lbs. on 5'
Bearings	Integral plain ball bearings, zinc plated, grease packed
Couplings	Butt type
Axles	7/16" hex shaft, spring loaded
Optional Frame	4" @ 5.4 lbs. structural steel channel; rollers 3/16" high, may vary with structural tolerances

OPTIONS

Length | Width | Roller Centers | Curve Radius | Straight Section | Curve Section | Double Roller Curve

COMMON APPLICATIONS

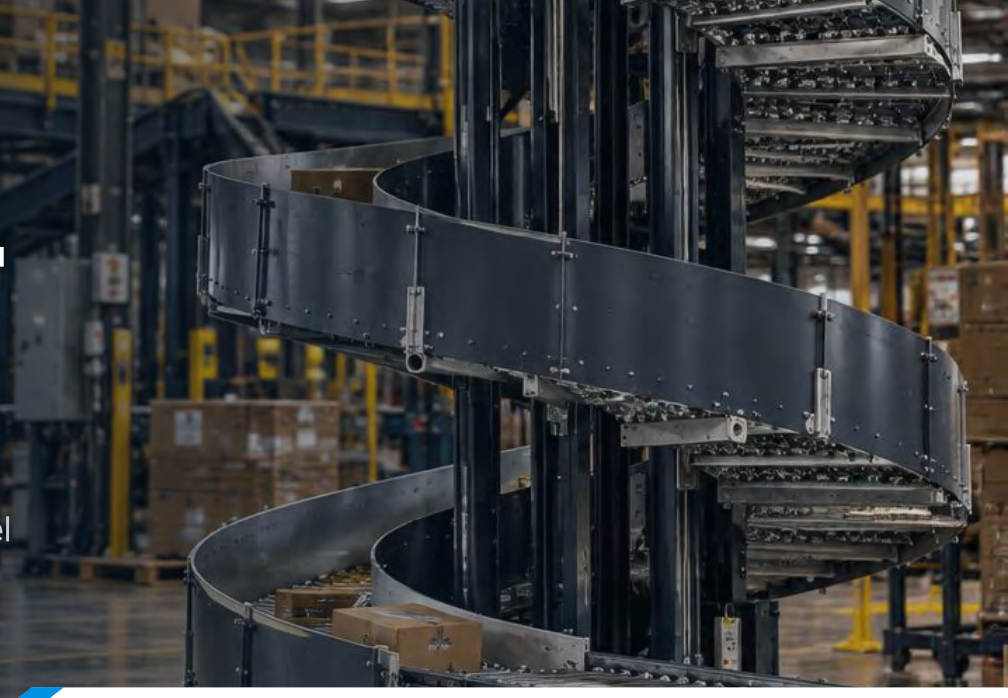
- Truck loading and unloading
- Parcel and small package handling
- E-commerce fulfillment and sortation
- Retail back room operations
- Airport baggage and package movement
- Temporary lines in warehouses and DCs

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Conveyability specifies gravity, live roller, chain-driven and MDR conveyor around your product, then fabricates, installs and supports it.

(800) 798-0410

GRAVITY WHEEL & RAIL WHEEL



LIGHTWEIGHT, PORTABLE AND LOW-PROFILE FLOW PATHS.

Wheel conveyors suit lightweight items and portable layouts. Rail wheel conveyors provide low profile flow paths for floor or rack mounted applications.

FEATURES & BENEFITS

LIGHTWEIGHT ITEMS
Well suited for lightweight items and portable layouts.

ALUMINUM OR GALVANIZED
Heat-treated aluminum or galvanized steel channel frames.

RAIL WHEEL FLOW PATHS
Low profile rails for floor or rack mounted applications.

4' OUTSIDE RADIUS CURVES
Curve sections with a 4' outside radius.



ALSO AVAILABLE



RAIL WHEEL
Galvanized rails, 50 lb. wheels, 3" centers.

SPECIFICATIONS STANDARD CONFIGURATION

Wheels	1-15/16" dia. prelubricated ball bearing wheel, hardened raceway; aluminum 25 lbs., zinc plated 50 lbs. per wheel
Axles	1/4" dia. galvanized steel bolt-type axle and lock nut
Frames	Formed heat-treated aluminum channel 2-1/2" x 1" x 1/8"; formed galvanized steel channel 2-1/2" x 1" x 12 ga.
Couplings	Hook and rod: hooks on one end, rod ("stud") on the other
Frame Capacity	Max. distributed live load: aluminum 160 lbs. per 10' or 750 lbs. per 5'; galv. steel 350 / 1,300 lbs.
Curve Radius	4' outside radius

OPTIONS

Paint or Galvanized | Length | Width | Wheel Count | Curve Radius | Straight Section | Curve Section

COMMON APPLICATIONS

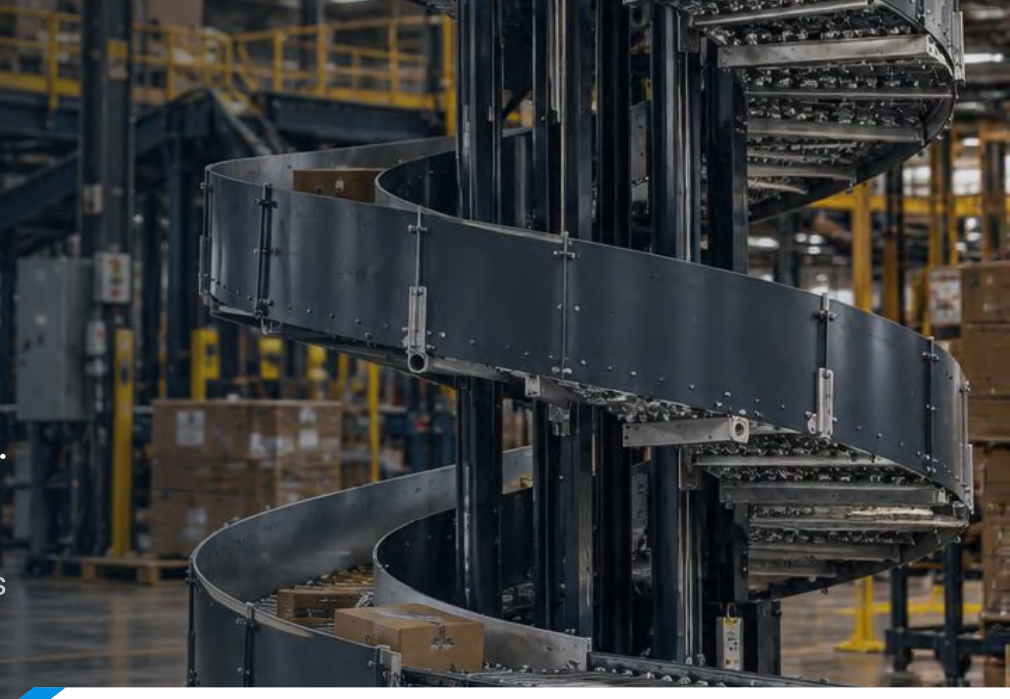
- Truck loading and unloading
- Parcel and small package handling
- E-commerce fulfillment and sortation
- Retail back room operations
- Airport baggage and package movement
- Temporary lines in warehouses and DCs

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

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BELT-DRIVEN LIVE ROLLER



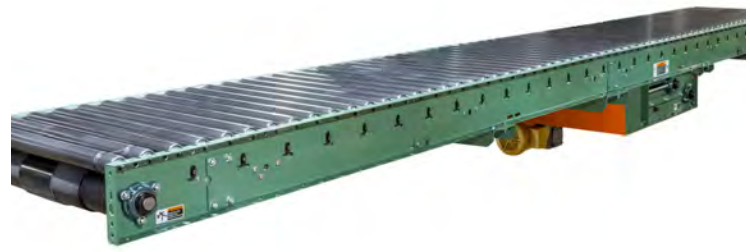
CONTROLLED TRANSPORT, WITH CAM-ADJUSTED PRESSURE.

Belt-driven live roller conveyors, known as CALR (cam adjusted live roller), are used for controlled transport of cartons, totes and unit loads where accumulation, zoning and handling accuracy matter.

FEATURES & BENEFITS

CAM-ADJUSTED PRESSURE
Roller pressure adjusts quickly for changes in product weight or spacing.

REVERSIBLE CENTER DRIVE
Reversible center drive with 24" integral belt take-up.



STAYS SQUARE
Adjustable squaring rods standard on all units over 30'.

15" TO 39" BETWEEN FRAMES
Seven widths, 18" to 42" overall.

SPECIFICATIONS STANDARD CONFIGURATION

Between Frames	15", 19", 21", 25", 27", 33", 39"
Overall Width	18", 22", 24", 28", 30", 36", 42"
Tread Rollers	1.9" dia. x 16 ga. steel
Pressure Rollers	1.9" dia. x 16 ga. steel, cam adjustable
Belting	6" wide black PVC-120 COS
Center Drive	Reversible, with 24" integral belt take-up; units under 8' overall use stacked drive components
Squaring Rods	Adjustable rods under the bed square the frame for belt tracking; standard over 30'
Drive Pulley	4" dia. with 1-3/16" shaft or 8" dia. with 1-7/16" shaft; both crowned and fully lagged
Bed / Frame	6" x 1-1/2" x 12 ga. channel slotted for pop-out tread rollers; rollers retained at 7' elevation or higher
Floor Supports	Adjustable 31-1/2" to 43-1/2" TOR; lag to floor
Bearings	Precision heavy duty lubricated ball bearing units with cast iron housings
Roller Chain	No. 50 chain for 1-1/2 HP or less, No. 60 for larger drives; take-up on motor base
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Speed	60 FPM constant

OPTIONS

End Drive | Side Mounted End Drive | Auxiliary Take-Up | Floor Supports | Ceiling Hangers | Guard Rails | Speed | Motors | Controls

COMMON APPLICATIONS

- Accumulation and release of cartons and totes
- Zero to low pressure product conveying
- Routing through curves, spurs and merges
- Zoned conveying with sensors and control logic
- Unit handling in packaging and assembly lines
- Transfer between processing and palletizing

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

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(800) 798-0410

CHAIN-DRIVEN LIVE ROLLER



POSITIVE TRACTION FOR PALLETS, DRUMS AND HEAVY LOADS.

Chain-driven live roller (CDLR) is a powered conveyor for heavy or irregular loads. A roll-to-roll chain drive delivers positive traction for pallets, drums and rigid unit loads that need predictable motion.

FEATURES & BENEFITS

ROLL-TO-ROLL CHAIN
Roller to roller No. 60 or No. 80 chain delivers positive traction.

FULLY ENCLOSED DRIVE
The chain drive is enclosed along the entire length of the conveyor.

BUILT FOR HEAVY LOADS
Heavy wall 3-1/2" rollers, larger chain and a structural steel frame.

UP TO 80' LONG
Bed sections from 3' to 10'; overall length from 5' to 80'.



SPECIFICATIONS STANDARD CONFIGURATION

Conveying Surface	35", 41", 47", 53", 59"
Between Frames	39", 45", 51", 57", 63"
Tread Rollers	3-1/2" dia. x .300 wall steel, with sprockets
Chain Guard	Chain drive completely enclosed along the entire length
Center Drive	Reversible, side or underside mounted (specify); main drive roller on heavy duty ball bearing units
Bearings	Removable heavy duty ball bearings, zinc plated, grease packed, labyrinth sealed
Bed Lengths, 6" & 12" RC	Intermediate sections 3' to 10' in 1' increments; 5' minimum overall with drive, 80' maximum
Bed Lengths, 7-1/2" RC	Intermediate sections 3'-1-1/2" to 10'-0"; 5' minimum overall with drive, 80' maximum
Roller Centers	6" with No. 60 chain; 7-1/2" and 12" with No. 80 chain
Chain Drive	Roller to roller, No. 60 or No. 80 roller chain
Speed	35 FPM constant
Bed / Frame	6" @ 8.2 lbs. or 8" @ 11.5 lbs. structural steel; sections joined with couplings and floor supports
Motor Drive	3/4 HP, 230/460/3, 60 cycle right angle gear motor

OPTIONS

- Speed
- Motors
- Floor Supports
- Undertrussed Bed
- Ceiling Hangers
- Guard Rails
- Controls

COMMON APPLICATIONS

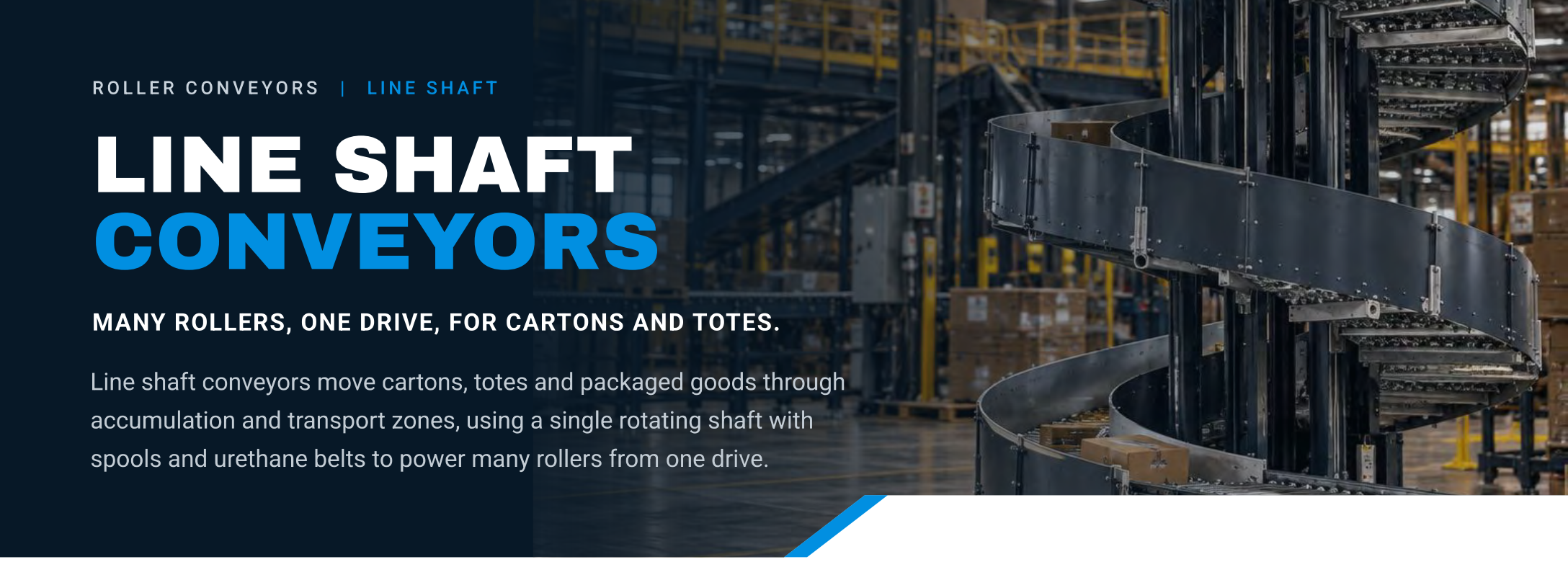
- Pallet handling lines
- Drum conveying systems
- 90° transfers onto or off conveyor lines
- Accumulation zones with controlled indexing
- Dirty or oil-exposed operating areas
- Washdown, freezer and oven applications

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

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LINE SHAFT CONVEYORS



MANY ROLLERS, ONE DRIVE, FOR CARTONS AND TOTES.

Line shaft conveyors move cartons, totes and packaged goods through accumulation and transport zones, using a single rotating shaft with spools and urethane belts to power many rollers from one drive.

FEATURES & BENEFITS

ONE DRIVE, MANY ROLLERS
A single rotating shaft powers multiple rollers through urethane belts.

15 LBS. PER ROLLER DRIVE
3/16" dia. polyurethane belts, nominal 15 lbs. per roller drive.

CURVES, SPURS & SWITCHES
Curve, spur, switch, cross-over and gate modules on the same drive style.

REVERSIBLE CENTER DRIVE
Reversible drive at 60 FPM on a 7" formed steel channel frame.



SPECIFICATIONS STANDARD CONFIGURATION

Between Frames	15", 19", 21", 25", 27", 33", 39"
Overall Width	18", 22", 24", 28", 30", 36", 42"
Tread Rollers	1.9" dia. x 16 ga. galvanized, grooved
Drive Belt	3/16" dia. polyurethane belts; nominal 15 lbs. per roller drive
Drive Shaft	1" dia. C1018 cold rolled steel
Couplings	Located on both, one or no ends
Center Drive	Reversible
Bed / Frame	7" x 1-1/2" x 12 ga. formed steel channel
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Speed	60 FPM
Chain	No. 50 roller chain

OPTIONS

Side Mounted Drive | Floor Supports | Speed | Motors | Controls

COMMON APPLICATIONS

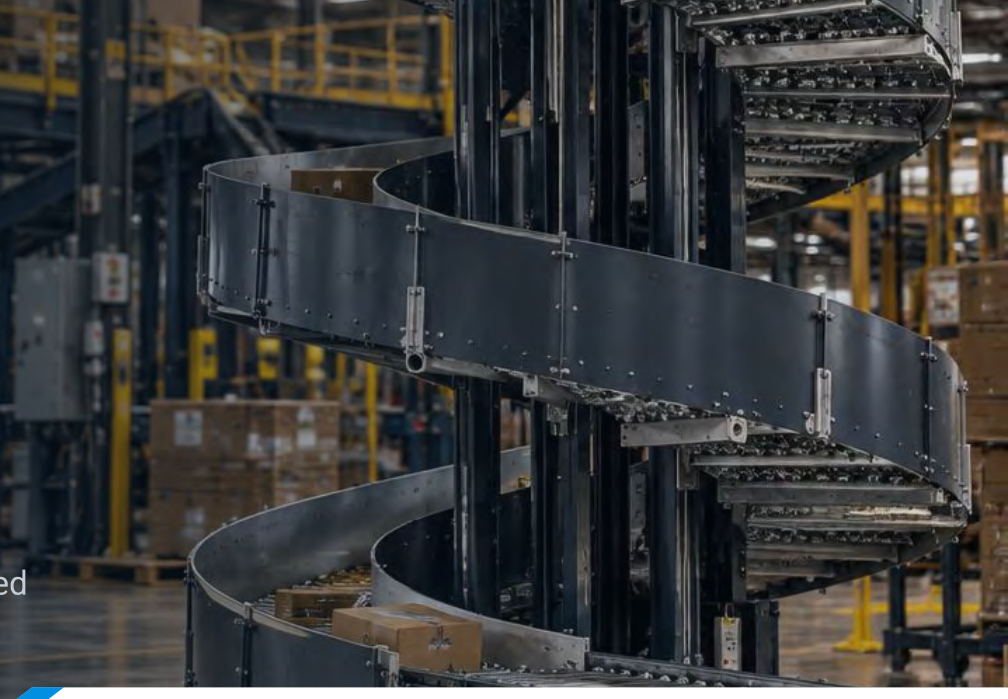
- Carton accumulation and release zones
- Order fulfillment conveyor lines
- Sortation in low to moderate speed systems
- Packaging operations
- Transfer between processing stations

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

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(800) 798-0410

MOTOR-DRIVEN ROLLER (MDR)



24V ZONES THAT RUN ONLY WHEN PRODUCT IS PRESENT.

Motor-driven roller (MDR) conveyors use individually powered rollers, each with a low voltage 24V motor, to move cartons, totes and packaged goods through zones without line shafts or chains.

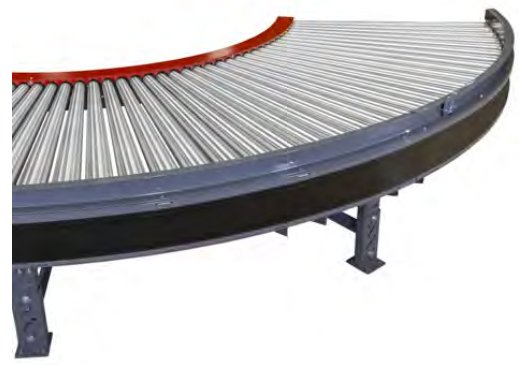
FEATURES & BENEFITS

LOW DECIBEL MOTORS
Band-driven for smooth, near-silent operation.

35–120 FPM
Speeds from 35 to 120 FPM for a range of load sizes and rates.

70 LBS. PER ZONE
Each accumulation zone supports up to 70 lbs.

LIGHTBAR ZONES
Optional lightbar-monitored accumulation zones, 24" or 30" long.



ALSO AVAILABLE



ZERO PRESSURE MDR
24V powered rollers set low in a 7" frame.

SPECIFICATIONS STANDARD CONFIGURATION

Load Capacity	70 lbs. per zone
Speed	35–120 FPM
Rollers	1.9" OD galvanized, grooved
Roller Centers	3"
Width	15", 19", 21", 25", 27", 33", 39" between frames
Curves	30°, 45°, 60°, 90°
Inside Curve Radius	32-1/2" IR on 15"–27" BF; 48" IR on 33"–39" BF
Length	10'
Infeed / Discharge	32" to 48" high
Motor	24V DC brushless motor system
Power Supply	6A for zones 1–2, 10A for zones 3–8, 20A for zones 9–17
Drive Belt	3/16" dia. polyurethane, nominal 15 lbs. per roller
Accumulation Zones	24" or 30" long, depending on roller centers; optional lightbar monitoring

OPTIONS

- Guard Rails
- Coated Rollers
- Lightbar Accumulation
- E-Stops
- Sealed ABEC Bearings
- Floor Supports
- Ceiling Hangers

COMMON APPLICATIONS

- Parcel and package handling
- E-commerce fulfillment and distribution
- Airport operations
- Sorting, packaging and quality inspection
- Load balancing between processes

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TALK TO A CONVEYABILITY ENGINEER

READY TO LAUNCH A NEW LINE OR FIND MORE CAPACITY IN YOUR FACILITY?

Move Smarter, Produce More.

Conveyability engineers and integrates conveyor and material handling systems that reduce downtime, improve flow, maximize floor space and support the way your operation actually works.

Call (800) 798-0410

Request a Plant Evaluation →

CALL

(800) 798-0410
Mon – Fri 8AM – 5PM ET

EMAIL

info@conveyability.com
conveyability.com/contact

COME SEE THE SHOP

2889 Northridge Drive NW
Grand Rapids, MI 49544

24-HOUR SERVICE

Emergency service when the line is down.

Conveyability
CONVEYOR AND STORAGE SYSTEMS

Conveyor & storage systems integrator — Grand Rapids, MI

Conveyability
CONVEYOR AND STORAGE SYSTEMS

CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

ZERO PRESSURE.

ACCUMULATION CONVEYORS AND INSTALLATION.

Give the line somewhere to wait, so one stop doesn't empty the plant.

Every line has a slowest step — a case packer, a palletizer, a labeler that pauses. Without a buffer, everything upstream stops with it. Accumulation conveyor absorbs the difference: product queues gently, without pressure, and releases exactly as fast as the downstream process can take it. Conveyability engineers the zones, sensors and controls around your actual rates.

- PNEUMATIC ZERO PRESSURE
- LINE SHAFT ZERO PRESSURE
- CHAIN-DRIVEN ZONE DRIVES
- PHOTO-EYE ZERO PRESSURE
- CHAIN-DRIVEN AIR CLUTCH
- MDR ZERO PRESSURE

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime

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ACCUMULATION CONVEYORS

ACCUMULATION SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

An accumulation project touches conveyors, sensors, controls and the machines on both ends. Conveyability handles the whole interface.

- PNEUMATIC ZERO PRESSURE
- PHOTO-EYE ZERO PRESSURE
- LINE SHAFT ZERO PRESSURE
- CHAIN-DRIVEN AIR CLUTCH
- CHAIN-DRIVEN ZONE DRIVES
- MDR ZERO PRESSURE

WHAT THEY SOLVE:

STARVED MACHINES

A buffer ahead of the constraint keeps the expensive machine fed through short upstream stops.

CRUSHED AND SCUFFED PRODUCT

Zero-pressure zones close the gap gently and hold product without contact force.

MERGE AND RELEASE CHAOS

Zone controls release product in the pattern the downstream process actually wants.

CHANGEOVERS AND SHORT STOPS

A right-sized buffer turns five-minute stops into non-events, not line-wide downtime.

LIGHT OR UNEVEN PRODUCT

Photo-eye zones need no minimum weight, so light or inconsistent loads still accumulate.

PALLETS AND HEAVY LOADS

Chain-driven zero pressure zones carry 300 lbs./ft., up to a 1,200 lb. pallet load.

COMMON INDUSTRIES

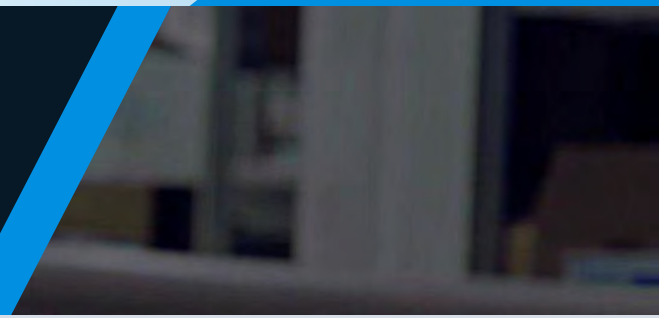
- Automotive
- Consumer Goods Manufacturing
- Distribution & Sortation
- Food & Beverage Processing
- Industrial Laundry
- Packaging & End-of-Line
- Pharmaceutical & Healthcare
- Tire & Wheel
- Warehousing & Logistics

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YOUR FIRST CALL FOR END-TO-END CONVEYOR SOLUTIONS

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ACCUMULATION CONVEYORS

ACCUMULATION TYPES

MDR is quietest for cases and totes; heavy loads and high speeds can favor line shaft or CDLR. The product decides.



PNEUMATIC ZERO PRESSURE

Pneumatic zones, no back pressure upstream.



PHOTO-EYE ZERO PRESSURE

Photo-eye zones, with no minimum product weight.



LINE SHAFT ZERO PRESSURE

Photo-eye zones on a line shaft drive.



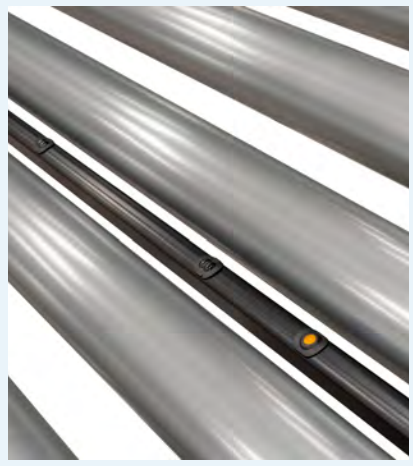
CHAIN-DRIVEN AIR CLUTCH

Chain-driven 5' zones, each with an air clutch.



CHAIN-DRIVEN ZONE DRIVES

Chain-driven 5' zones, each with its own drive.



MDR ZERO PRESSURE

Zones that hold product apart, without contact.

ALSO AVAILABLE

Rollers Set Low
Rollers Set High

TALK TO A CONVEYABILITY ENGINEER

Conveyability engineers the zones, sensors and controls around your actual rates, and handles the whole interface.

(800) 798-0410



PNEUMATIC ZERO PRESSURE

PNEUMATIC ZONES, NO BACK PRESSURE UPSTREAM.

A medium duty zero pressure accumulator that uses pneumatic zone singulation to control product flow without back pressure on upstream units, with sensor rollers in place of weight-activated mechanisms.

FEATURES & BENEFITS

PNEUMATIC ZONES
2'-0" zones, air actuated at no more than 30 PSI.

NO BACK PRESSURE
Zones stop individually while live rollers at each end keep moving.

ABOUT 125 LBS. PER FOOT
Supports loads up to approximately 125 lbs. per foot.

STAYS SQUARE
Adjustable squaring rods standard on all units over 30'.



SPECIFICATIONS STANDARD CONFIGURATION

Between Frames	15", 19", 21", 25", 27", 33", 39"
Overall Width	18", 22", 24", 28", 30", 36", 42"
Tread Rollers	1.9" dia. x 16 ga. steel
Pressure Rollers	1.9" dia. x 16 ga. steel; 8" BF with 6" wide belt
Belting	6" wide black PVC-120 COS
Drive Pulley	4" dia. with 1-3/16" shaft or 8" dia. with 1-7/16" shaft; both crowned and fully lagged
Bearings	Pulley bearings: precision heavy duty lubricated ball bearing units, cast iron housings
Speed	60 FPM constant
Bed / Frame	7" x 1-1/2" x 12 ga. channel slotted for pop-out tread rollers; rollers retained at 7' elevation or higher
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Roller Chain	No. 50 chain for 1-1/2 HP or less, No. 60 for larger drives; take-up on motor base
Accumulation	2'-0" pneumatic zones; 1'-0" of live roller at each end stays live (zones x zone length + 2' = overall)
Pneumatic Actuation	Maximum air line pressure 30 PSI
FRL	Filter, regulator and lubricator with 1/4" ports

OPTIONS

End Drive | Side Mounted End Drive | Overhead End Drive | Auxiliary Take-Up | Floor Supports | Ceiling Hangers | Guard Rails | Belting | Belt Speed | Motors | Controls

COMMON APPLICATIONS

- Product buffering between processes
- Merging and singulation of cartons or totes
- Accumulating before sorting, labeling or inspection
- Controlled release into packaging or palletizing
- Staging product for shipping and fulfillment

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

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(800) 798-0410



PHOTO-EYE ZERO PRESSURE

PHOTO-EYE ZONES, WITH NO MINIMUM PRODUCT WEIGHT.

Zoned zero pressure accumulation that detects product with photoelectric sensors instead of sensor rollers, so products with minimal or inconsistent weight still accumulate.

FEATURES & BENEFITS

PHOTO-EYE SENSING
Photoelectric sensors replace sensor rollers to detect product presence.

NO WEIGHT MINIMUM
Light or inconsistent product still activates each zone.

2' OR 3' ZONES
2'-0" zones on 3" roller centers; 3'-0" zones on 4-1/2" centers.

PNEUMATIC ACTUATION
Zones are pneumatically actuated, at no more than 30 PSI.



SPECIFICATIONS STANDARD CONFIGURATION

Between Frames	15", 19", 21", 25", 27", 33", 39"
Overall Width	18", 22", 24", 28", 30", 36", 42"
Tread Rollers	1.9" dia. x 16 ga. steel
Pressure Rollers	1.9" dia. x 16 ga. steel; 8" BF with 6" wide belt
Belting	6" wide black PVC-120 COS
Drive Pulley	4" dia. with 1-3/16" shaft or 8" dia. with 1-7/16" shaft; both crowned and fully lagged
Bearings	Pulley bearings: precision heavy duty lubricated ball bearing units, cast iron housings
Speed	60 FPM constant
Bed / Frame	7" x 1-1/2" x 12 ga. channel slotted for pop-out tread rollers; rollers retained at 7' elevation or higher
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Roller Chain	No. 50 chain for 1-1/2 HP or less, No. 60 for larger drives; take-up on motor base
Accumulation	Zone singulation; 2'-0" zones on 3" RC, 3'-0" on 4-1/2" RC; 1'-0" live at each end; photo-eye actuated
Pneumatic Actuation	Maximum air line pressure 30 PSI
FRL	Filter, regulator and lubricator with 1/4" ports

OPTIONS

End Drive | Side Mounted End Drive | Overhead End Drive | Auxiliary Take-Up | Floor Supports | Ceiling Hangers | Guard Rails | Belting | Belt Speed | Motors | Controls

COMMON APPLICATIONS

- Product buffering between processes
- Merging and singulation of cartons or totes
- Accumulating before sorting, labeling or inspection
- Controlled release into packaging or palletizing
- Staging product for shipping and fulfillment

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LINE SHAFT ZERO PRESSURE



PHOTO-EYE ZONES ON A LINE SHAFT DRIVE.

Zero pressure accumulation on a line shaft drive for light to medium duty work. Photoelectric sensors detect product for zone singulation, with no minimum product weight.

FEATURES & BENEFITS

LINE SHAFT DRIVEN
A 1" dia. drive shaft powers grooved rollers through polyurethane belts.

PHOTO-EYE ZONES
2'-0" zones, photo-eye controlled, with zone singulation.

NO WEIGHT MINIMUM
A wide variety of package sizes accumulate without back pressure.

15" TO 39" BETWEEN FRAMES
Five widths, 18" to 42" overall.



SPECIFICATIONS STANDARD CONFIGURATION

Between Frames	15", 21", 27", 33", 39"
Overall Width	18", 24", 30", 36", 42"
Tread Rollers	1.9" dia. x 16 ga. steel, grooved
Drive Belt	3/16" dia. polyurethane belts; nominal 15 lbs. per roller drive
Drive Shaft	1" dia. C1018 cold rolled steel
Couplings	Both ends (type A), one end only (type B or C) or none (type D)
Center Drive	About 16-1/2" from the end of the bed section on 4" RC; 18" on 3" and 6" RC
Bearings	Pulley bearings: precision heavy duty lubricated ball bearing units, cast iron housings
Accumulation	Zone singulation; 2'-0" zones, photo-eye controlled
Speed	60 FPM constant
Bed / Frame	7" x 1-1/2" x 12 ga. formed steel channel; sections joined with splice plates and floor supports
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Roller Chain	No. 50 chain to the drive shaft; take-up on motor base

OPTIONS

Zone Lengths | Slug Release | Bed Size | Tread Rollers | Floor Supports | Side Mounted Drive | Speed | Ceiling Hangers | Motors

COMMON APPLICATIONS

- Product buffering between processes
- Merging and singulation of cartons or totes
- Accumulating before sorting, labeling or inspection
- Controlled release into packaging or palletizing
- Staging product for shipping and fulfillment

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CHAIN-DRIVEN AIR CLUTCH ZONE

CHAIN-DRIVEN 5' ZONES, EACH WITH AN AIR CLUTCH.

A medium duty chain-driven zero pressure accumulator that detects product with photoelectric sensors instead of roller sensors, in 5' zones each engaged through an air clutch.

FEATURES & BENEFITS

CHAIN DRIVEN
Roller to roller No. 40 chain; zone to zone No. 60 chain.

AIR CLUTCH ZONES
Photo-eye controlled 5'-0" zones, each with an air clutch (60 PSI max.).

1,200 LB. PALLET LOADS
300 lbs./ft., up to a 1,200 lb. pallet load.

FULLY ENCLOSED CHAINS
All chains are enclosed along the entire length of the conveyor.



SPECIFICATIONS STANDARD CONFIGURATION

Conveying Surface	12", 18", 24", 30", 36", 42", 48"
Tread Rollers	1.9" dia. x 12 ga.
Chain Drive	Roller to roller No. 40 roller chain; zone to zone No. 60 roller chain
Chain Guard	All chains completely enclosed along the entire length
Center Drive	Side or underside mounted (specify); drive shafts on heavy duty ball bearing units
Roller Centers	4" or 6" only
Speed	35 FPM constant
Accumulation Zone	5'-0" zones, zone singulation, photo-eye controlled, with air clutch (60 PSI max.)
Bed / Frame	6-1/2" x 1-1/2" x 10 ga. and 4-1/2" x 1-1/2" x 10 ga. formed steel channel; bolted butt couplings
Bearings	Removable heavy duty ball bearings, zinc plated, grease packed, labyrinth seal
FRL	Filter, regulator and lubricator, 3/8" ports, 60 PSI operating pressure
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Capacity	300 lbs./ft., up to a 1,200 lb. pallet load

OPTIONS

Zone Lengths | Bed Size | Tread Rollers | Floor Supports | Side Mounted Clutch | Speed | Motors

COMMON APPLICATIONS

- Product buffering between processes
- Merging and singulation of cartons or totes
- Accumulating before sorting, labeling or inspection
- Controlled release into packaging or palletizing
- Staging product for shipping and fulfillment

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability engineers the zones, sensors and controls around your actual rates, and handles the whole interface.

(800) 798-0410



CHAIN-DRIVEN ZONE DRIVES

CHAIN-DRIVEN 5' ZONES, EACH WITH ITS OWN DRIVE.

A medium duty chain-driven zero pressure accumulator that detects product with photoelectric sensors and gives each 5' zone its own drive, with no back pressure or minimum product weight.

FEATURES & BENEFITS

A DRIVE ON EVERY ZONE
Photo-eye controlled 5'-0" zones with a separate drive on each zone.

CHAIN DRIVEN
Roller to roller No. 40 chain; zone to zone No. 60 chain.

1,200 LB. PALLET LOADS
300 lbs./ft., up to a 1,200 lb. pallet load.

NO WEIGHT MINIMUM
Accumulates without back pressure or minimum product weights.



SPECIFICATIONS STANDARD CONFIGURATION

Between Frames	15", 21", 27", 33", 39", 45", 51"
Conveying Surface	12", 18", 24", 30", 36", 42", 48"
Tread Rollers	1.9" dia. x 12 ga.
Chain Drive	Roller to roller No. 40 roller chain; zone to zone No. 60 roller chain
Chain Guard	All chains completely enclosed along the entire length
Center Drive	Side or underside mounted (specify); drive shafts on heavy duty ball bearing units
Roller Centers	4" or 6" only
Speed	35 FPM constant
Accumulation Zone	5'-0" zones, zone singulation, photo-eye controlled, separate drive on each zone
Bed / Frame	6-1/2" x 1-1/2" x 10 ga. and 4-1/2" x 1-1/2" x 10 ga. formed steel channel; bolted butt couplings
Bearings	Removable heavy duty ball bearings, zinc plated, grease packed, labyrinth seal
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Capacity	300 lbs./ft., up to a 1,200 lb. pallet load

OPTIONS

Zone Lengths | Bed Size | Tread Rollers | Floor Supports | Speed | Motors

COMMON APPLICATIONS

- Product buffering between processes
- Merging and singulation of cartons or totes
- Accumulating before sorting, labeling or inspection
- Controlled release into packaging or palletizing
- Staging product for shipping and fulfillment

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability engineers the zones, sensors and controls around your actual rates, and handles the whole interface.

(800) 798-0410

MOTOR-DRIVEN ZERO PRESSURE



ZONES THAT HOLD PRODUCT APART, WITHOUT CONTACT.

Motor-driven roller accumulation holds products in separate zones without contact. Lightbar-monitored zones give precise control of sorting, packaging, quality inspection and load balancing.

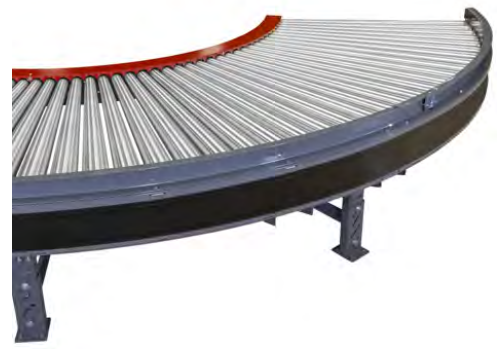
FEATURES & BENEFITS

ZERO CONTACT ZONES
Products are held in separate zones without contact.

LIGHTBAR MONITORED
Optional lightbar-monitored zones, 24" or 30" long by roller centers.

NEAR-SILENT OPERATION
Band-driven 24V brushless motors with low decibel operation.

70 LBS. PER ZONE
Each zone supports up to 70 lbs. and moves at 35–120 FPM.



ALSO AVAILABLE



ROLLERS SET LOW
24V powered rollers set low in a 7" frame.



ROLLERS SET HIGH
24V powered rollers set high in a 5" frame.

SPECIFICATIONS STANDARD CONFIGURATION

Load Capacity	70 lbs. per zone
Speed	35–120 FPM
Rollers	1.9" OD galvanized, grooved
Roller Centers	3"
Width	15", 19", 21", 25", 27", 33", 39" between frames
Curves	30°, 45°, 60°, 90°
Inside Curve Radius	32-1/2" IR on 15"–27" BF; 48" IR on 33"–39" BF
Length	10'
Infeed / Discharge	32" to 48" high
Motor	24V DC brushless motor system
Power Supply	6A for zones 1–2, 10A for zones 3–8, 20A for zones 9–17
Drive Belt	3/16" dia. polyurethane, nominal 15 lbs. per roller
Accumulation Zones	24" or 30" long, depending on roller centers; optional lightbar monitoring

OPTIONS

- Guard Rails
- Coated Rollers
- Lightbar Accumulation
- E-Stops
- Sealed ABEC Bearings
- Floor Supports
- Ceiling Hangers

COMMON APPLICATIONS

- Parcel and package handling
- E-commerce fulfillment and distribution
- Airport operations
- Sorting, packaging and quality inspection
- Load balancing between processes

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CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

CHAIN CONVEYORS.

CHAIN CONVEYOR SYSTEMS AND FABRICATION.

Move pallets, drums and weldments without rebuilding the conveyor every year.

Pallets, drums, racks, fixtures, weldments: unit loads with weight, bad bottoms or both. Chain-driven live roller carries the heavy loads with good bottoms; drag chain and multi-strand conveyor carry everything else, including loads that would destroy rollers outright. Conveyability specifies, fabricates, installs and supports all of it as one team.

- HEAVY-DUTY CDLR
- HEAVY CHAIN & MODULAR
- TABLETOP CHAIN
- CHAIN DRAG
- SLAT

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime

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CHAIN & HEAVY-DUTY

CHAIN CONVEYOR SOLUTIONS.

- HEAVY-DUTY CDLR
- CHAIN DRAG
- HEAVY CHAIN & MODULAR
- SLAT
- TABLETOP CHAIN

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

Heavy systems punish weak interfaces. Conveyability engineers the conveyor, the transfers and the structure under them as one scope.

WHAT THEY SOLVE:

HEAVY UNIT LOADS ON ROLLERS

Chain-driven live roller has the muscle for pallets, drums and loads that would flatten a lighter line.

BAD PALLET BOTTOMS

On drag chain the load rides on the strands, so broken boards, containers and racks still move.

LONG, WIDE OR ODD LOADS

Multi-strand chain supports fixtures, frames and weldments exactly where the design puts it.

LOADS THAT CHANGE DIRECTION

Chain transfers pop up between rollers to move pallets at right angles, with no forklift touch.

BENT FRAMES, STRETCHED CHAIN

Usually an undersized line. We size chain, rollers and frames to the real load, with headroom.

DIRT, HEAT AND ABUSE

Chain tolerates debris, heat and abuse that stop other conveyors; guarding suits the environment.

COMMON INDUSTRIES

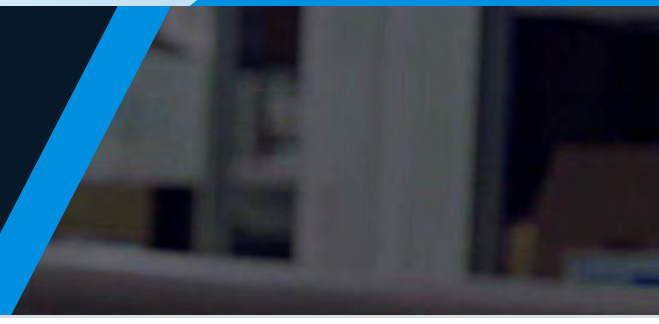
- Aerospace
- Automotive
- Building Materials
- Car Wash
- Fabricated Metal & Stamping
- Food & Beverage Processing
- Manufacturing & Assembly
- Recycling
- Tire & Wheel

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CHAIN & HEAVY-DUTY

CHAIN CONVEYOR TYPES

The bottom of the load usually picks the conveyor.



HEAVY-DUTY CDLR

Chain-driven rollers for pallets, drums, heavy loads.

ALSO AVAILABLE

Treadplate Dual Lane



CHAIN DRAG

For bad pallet bottoms, containers and racks.



HEAVY CHAIN & MODULAR

Massive loads through assembly, staging and transfer.

ALSO AVAILABLE

Hydraulic Lift Table
Heavy-Duty Modular



SLAT

For unstable, irregular or soft-bottomed products.



TABLETOP CHAIN

Bottles, cans and packages with minimum pressure.

TALK TO A CONVEYABILITY ENGINEER

Conveyability sizes frames, chain and drives to the real load, then fabricates, installs and supports it as one team.

(800) 798-0410



HEAVY-DUTY CDLR CONVEYORS

CHAIN-DRIVEN ROLLERS FOR PALLETS, DRUMS, HEAVY LOADS.

Heavy-duty CDLR conveyors move large, heavy and rigid loads on chain-driven live rollers that provide positive traction and controlled movement.

FEATURES & BENEFITS

ROLLER-TO-ROLLER CHAIN
Rollers driven roller to roller by No. 60 or No. 80 roller chain.

ENCLOSED CHAIN DRIVE
The chain drive is completely enclosed along the entire length of the conveyor.

REVERSIBLE CENTER DRIVE
Side or underside mounted reversible drive on heavy-duty ball bearing units.

STRUCTURAL STEEL FRAME
6" and 8" structural steel frame; sections join with couplings and floor supports.



ALSO AVAILABLE



TREADPLATE DUAL LANE
Inside chain guards give operators more room.

SPECIFICATIONS STANDARD CONFIGURATION

Conveying Surface	35", 41", 47", 53", 59"
Between Frames	39", 45", 51", 57", 63"
Tread Rollers	3-1/2" dia. x .300 wall steel with sprockets
Roller Centers	6" with No. 60 chain; 7-1/2" and 12" with No. 80 chain
Chain Drive	Roller to roller with No. 60 or No. 80 roller chain
Chain Guard	Chain drive completely enclosed along the entire length of the conveyor
Center Drive	Reversible, side or underside mounted (specify); main drive roller on precision heavy-duty ball bearing units
Bearings	Removable heavy-duty ball bearings, zinc-plated, grease packed, labyrinth sealed
Bed Lengths	Intermediate sections 3' to 10' (increments vary with roller centers); 5' minimum and 80' maximum overall
Speed	35 FPM, constant
Bed / Frame	6" at 8.2 lbs. and 8" at 11.5 lbs. structural steel; sections joined with couplings and floor supports
Motor Drive	3/4 HP, 230/460/3, 60 cycle right angle gear motor

OPTIONS

- Speed
- Motors
- Floor Supports
- Undertrussed Bed
- Ceiling Hangers
- Guard Rails
- Controls

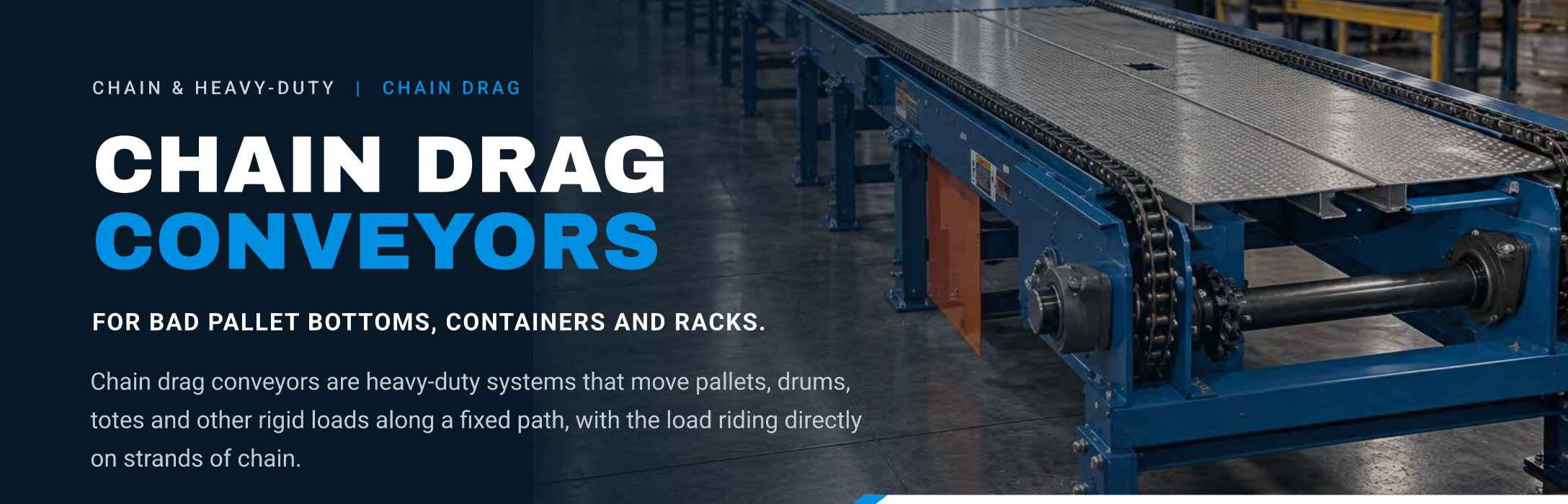
COMMON APPLICATIONS

- Pallet handling lines
- Drum conveying systems
- 90° transfers onto or off of conveyor lines
- Accumulation zones with controlled indexing
- Dirty or oil-exposed operating areas
- Washdown, freezer and oven environments

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Conveyability sizes frames, chain and drives to the real load, then fabricates, installs and supports it as one team.

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CHAIN DRAG CONVEYORS

FOR BAD PALLET BOTTOMS, CONTAINERS AND RACKS.

Chain drag conveyors are heavy-duty systems that move pallets, drums, totes and other rigid loads along a fixed path, with the load riding directly on strands of chain.

FEATURES & BENEFITS

NO. 80 CARRIER CHAIN
No. 80 riveted roller chain rides on long-lasting UHMW wear strips.

UNIT LOADS TO 3,000 LBS.
Rated for unit loads not to exceed 3,000 lbs.

7 GA. BOXED CHANNEL
Bed and frame of 7 ga. formed boxed channel.

END OR CENTER DRIVE
End drive for one direction; optional center drive for reversing.



SPECIFICATIONS STANDARD CONFIGURATION

Bed / Frame	7 ga. formed boxed channel
Carrier Chain	No. 80 riveted roller chain
Wear Strip	UHMW, long lasting, upper and lower
Chain Take-Up	Screw type, located at tail end
End Drive	One-direction operation; optional center drive for reversible applications
Chain Speed	35 FPM, constant
Bearings	Heavy-duty lubricated ball bearing units with cast iron housings
Capacity	Unit load not to exceed 3,000 lbs.
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor

OPTIONS

Strand Count | Structural Construction | Floor Supports | Chain Speed | Motors | Controls

COMMON APPLICATIONS

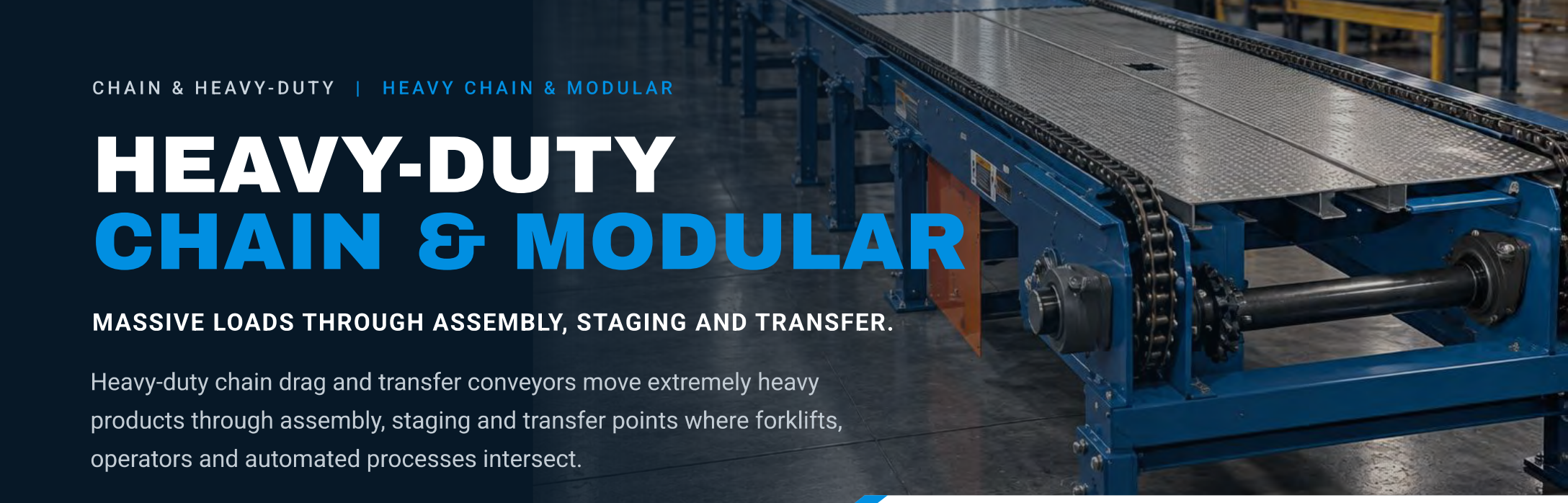
- Pallet transport and accumulation
- Load transfers between conveyor lines
- Indexing and positioning at workstations
- Staging before wrapping or strapping
- Controlled movement through inspection zones

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Conveyability sizes frames, chain and drives to the real load, then fabricates, installs and supports it as one team.

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HEAVY-DUTY CHAIN & MODULAR



MASSIVE LOADS THROUGH ASSEMBLY, STAGING AND TRANSFER.

Heavy-duty chain drag and transfer conveyors move extremely heavy products through assembly, staging and transfer points where forklifts, operators and automated processes intersect.

FEATURES & BENEFITS

LOADS OVER 12,000 LBS.
Built to move assembly-line loads weighing in excess of 12,000 lbs.

EXTRA STRAND FOR WIDTH
A third chain strand supports loads turned width-wise between lines.

HYDRAULIC LIFT & TRANSFER
Lift tables take forklift abuse; transfers raise 1" to move loads across.

MODULAR LAYOUTS
Modular sections support flexible layouts while handling demanding loads.



ALSO AVAILABLE



HYDRAULIC LIFT TABLE
Controls loading at infeed and discharge.



HEAVY-DUTY MODULAR
Flexible layouts for demanding loads.

SPECIFICATIONS PUBLISHED FEATURES

Load	In excess of 12,000 lbs. on the assembly line
Base Conveyor	2-strand chain drag with optional heavy-duty equipment
Chain	No. 80 chain guided by removable steel wear strips
Chain-Break Sensor	Notifies the controller in the event a chain breaks
Frame / Supports	Heavy-duty structural steel construction
Crossover	Galvanized traction tread grating between the chains for a safe crossover
3-Strand Version	Added center strand supports wider loads moved between parallel assembly lines
Lift Table	Heavy-duty hydraulic lift table at the infeed and discharge ends of the line
Lift Purpose	Takes the abuse from forklifts and controls how heavy loads go on and off the line
Chain Transfer	Hydraulic lift raises 1" and transfers product between strand conveyors
Modular	Supports flexible system layouts while handling demanding loads

No standard spec table is published for these systems; figures come from published examples.

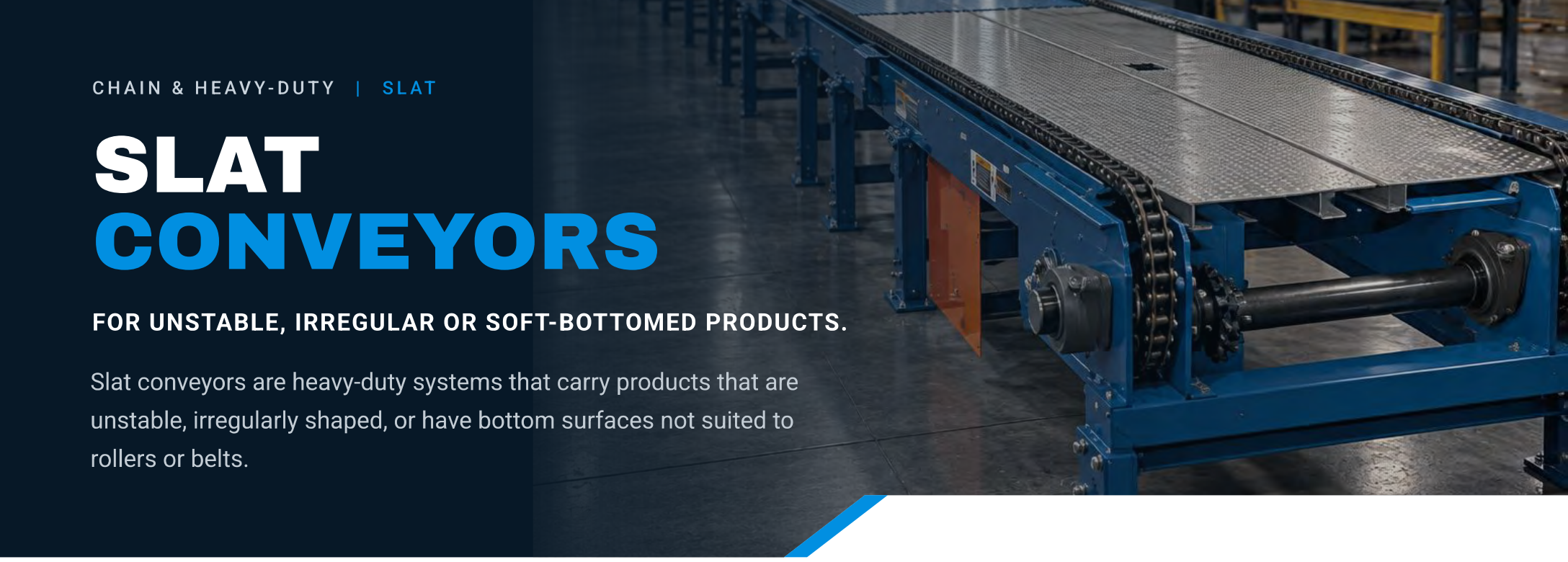
COMMON APPLICATIONS

- Assembly line load accumulation
- Forklift loading and unloading zones
- Product transfer between parallel lines
- Heavy product staging and indexing
- Controlled flow between assembly operations
- Adaptable production layouts

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability sizes frames, chain and drives to the real load, then fabricates, installs and supports it as one team.

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SLAT CONVEYORS

FOR UNSTABLE, IRREGULAR OR SOFT-BOTTOMED PRODUCTS.

Slat conveyors are heavy-duty systems that carry products that are unstable, irregularly shaped, or have bottom surfaces not suited to rollers or belts.

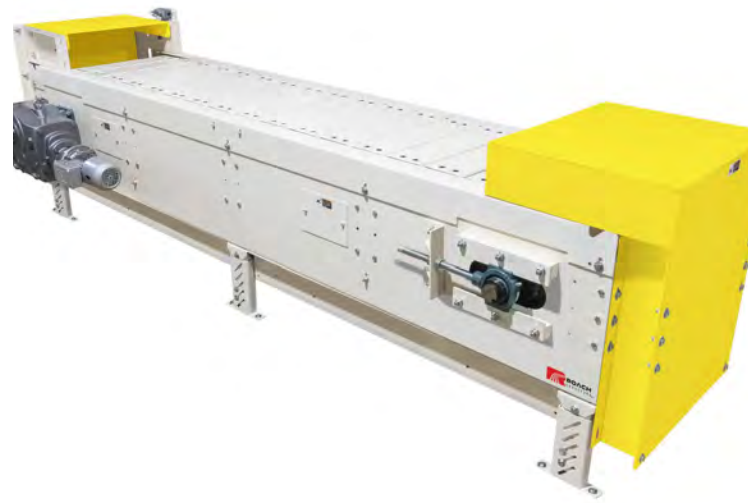
FEATURES & BENEFITS

7 GA. STEEL SLATS
5-3/4" wide slats of formed 7 ga. steel channel.

UNEVEN OR SOFT BOTTOMS
Carries products whose bottoms aren't suited to rollers or belts.

35 FPM CONSTANT
Constant speed up to 35 FPM from an end side mount drive.

DEEP STEEL FRAME
19-3/4" deep formed steel channel bed and frame.



SPECIFICATIONS STANDARD CONFIGURATION

Slat	5-3/4" wide formed 7 ga. steel channel
Drive	End side mount drive
Speed	35 FPM, constant (maximum)
Take-Up	Screw type
Bed / Frame	19-3/4" deep formed steel channel
Floor Supports	Fixed height for 20" to 26-1/4" elevations; standard supports above 26-1/4"
Motor Drive	3/4 HP, 230/460/3, 60 cycle right angle gear motor
Roller Chain	Chain size varies with conveyor length

OPTIONS

Floor Supports | Speed | Motors | Controls

COMMON APPLICATIONS

- Assembly line conveying
- Workstation indexing and staging
- Products with uneven or soft bottoms
- Accumulation of large or heavy items
- Controlled movement through inspection areas

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability sizes frames, chain and drives to the real load, then fabricates, installs and supports it as one team.

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TABLETOP CHAIN CONVEYORS

BOTTLES, CANS AND PACKAGES WITH MINIMUM PRESSURE.

Tabletop chain conveyors move small to medium-sized products such as bottles, cans and packages along a processing line, with controlled movement and consistent orientation.

FEATURES & BENEFITS

MINIMUM PRESSURE
Moves bottles, cans and packages with maximum efficiency and minimum pressure.

HIGH CARBON STEEL CHAIN
Corrosion and abrasion resistant, strong, and able to handle extreme temperatures.

CURVES, S-CURVES, INCLINES
Lines run straight, through curves and S-curves, and up inclines.

CONSISTENT ORIENTATION
Controlled movement keeps product orientation consistent.



SPECIFICATIONS PUBLISHED FEATURES

Products	Bottles, cans, packages and other small to medium-sized products
Movement	Controlled, with consistent orientation, maximum efficiency and minimum pressure
Metal Chain	High carbon steel: corrosion and abrasion resistant, strong, handles extreme temperatures
Configurations	Straight, curve, S-curve and incline
Suited To	Beverage, personal care, household products and paper products

No standard spec table is published for this product; features are from published descriptions.

COMMON APPLICATIONS

- Bottles and cans through filling lines
- Personal care and household products
- Paper products through packaging operations
- Feeding labeling and inspection stations
- Transfers between processing equipment
- Continuous packaging workflows

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CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

OVERHEAD CONVEYORS.

OVERHEAD CONVEYOR SYSTEMS AND INTEGRATION.

Move product overhead and get the floor space back for production.

When there is no aisle left to give up, the route that's still open is overhead. Conveyability designs and integrates overhead conveyor systems that turn, climb, buffer and deliver, carrying parts through cleaning, painting, heat treating, baking, assembly and storage without taking a square foot from production. Custom-built by our engineering team around the building you have.

- POWER & FREE
- ELECTRIFIED MONORAIL
- FLOOR SYSTEMS
- ENCLOSED TRACK
- OVERHEAD FRICTION DRIVE

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime

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OVERHEAD CONVEYORS

OVERHEAD SOLUTIONS.

- POWER & FREE
- ENCLOSED TRACK
- ELECTRIFIED MONORAIL
- OVERHEAD FRICTION DRIVE
- FLOOR SYSTEMS

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

An overhead system is structure, carriers, drives and controls that all have to agree. Conveyability engineers the route and builds the supports.

WHAT THEY SOLVE:

NO FLOOR SPACE LEFT

Moving transport, buffering and staging overhead frees the floor for production.

HEAVY LOADS AND ODD SHAPES

Frames, weldments, bumpers and coils that jam a belt hang cleanly from a carrier.

WASH, PAINT AND CURE ON THE WAY

Overhead lines carry product through cleaning, painting and curing as it travels.

BUFFERING AND SEQUENCING

Carriers stop, queue and switch tracks independently while the chain keeps running.

A CEILING FULL OF OBSTACLES

We survey the steel, route around trusses, utilities and doors, and design the supports.

FINISHED SURFACES

Friction drive moves carriers without a chain: clean, quiet and gentle on finished parts.

COMMON INDUSTRIES

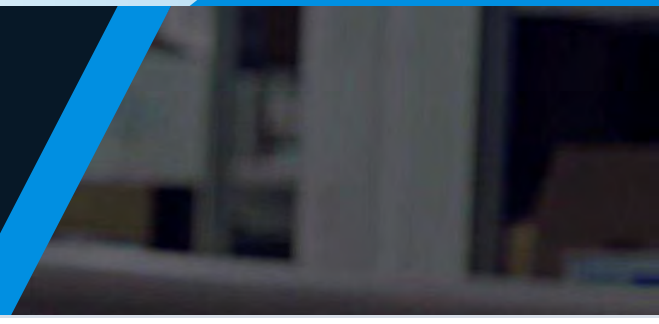
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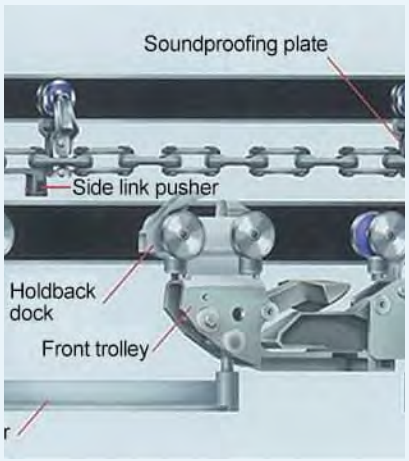
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OVERHEAD TYPES

The right drive depends on the load, the routing and how much the sequence changes.



POWER & FREE

Carriers stop, queue and switch while the chain runs.

ALSO AVAILABLE

Overhead
Inverted



ENCLOSED TRACK

Modular track, from hand-pushed to power & free.

ALSO AVAILABLE

Power & Free
Power Only



ELECTRIFIED MONORAIL

Self-powered carriers, each moving at its own speed.



OVERHEAD FRICTION DRIVE

Chain-free drive: clean, quiet and modular.



FLOOR SYSTEMS

Friction drive pallets and power roller bed skids.

ALSO AVAILABLE

Power Roller Bed

TALK TO A CONVEYABILITY ENGINEER

Conveyability engineers the route, builds the supports and keeps the overhead system running after startup.

(800) 798-0410

POWER & FREE CONVEYORS



CARRIERS STOP, QUEUE AND SWITCH WHILE THE CHAIN RUNS.

A power & free conveyor is a chain conveyor system that transports loads along a set path and can stop them at predetermined positions, buffering, sequencing and routing them through multiple processes.

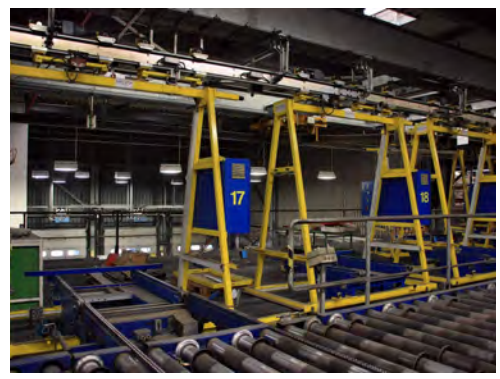
FEATURES & BENEFITS

USES VERTICAL SPACE
Frees floor space by using vertical space; layouts run horizontally and vertically.

BRANCH AND MERGE
Automatic branching and merging moves carriers in a fixed direction.

NO COLLISIONS
Prevents damage and collision between transported objects.

EASY TO EXPAND
Lines are easy to alter or expand, with centralized or distributed control.



ALSO AVAILABLE



OVERHEAD
Carriers hang from the overhead track.



INVERTED
Inverted line carries the load from below.

SPECIFICATIONS PUBLISHED FEATURES

Structure	Power line drives an X-type forged chain; free line carries trolleys moved by pushers on the chain
Layout	Freely configurable in both horizontal and vertical directions
Routing	Automatic branching and merging in a fixed direction
Loading	Automated loading and unloading of transported objects
Storage	Loads can proceed to storage from anywhere on the line
Protection	Prevents damage and collision between transported objects
Changes	Easy alteration or expansion of lines
Controls	Centralized and distributed control via computer
Configurations	Inverted and overhead
Mounting	On the floor, flush with the floor or at building truss height
Carrier Tracking	Electro-mechanical, radio frequency (RF) and optical carrier identification available
Load Capacity	500 to 8,000 lbs. depending on chain size and trolleys (level systems)
Horizontal Turns	18" to 36" standard radius; 30°, 60° and 90° angles
Vertical Curves	36" to 240" standard radius; 30° angle

Load capacities are for level systems only; non-level systems are rated for the application.

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

COMMON APPLICATIONS

- Buffering and sequencing between processes
- Routing through washing, coating and curing
- Automated loading and unloading
- Storage and release from anywhere on the line

Conveyability engineers the route, builds the supports and keeps the overhead system running after startup.

(800) 798-0410



ENCLOSED TRACK CONVEYORS

MODULAR TRACK, FROM HAND-PUSHED TO POWER & FREE.

Enclosed track conveyors are modular conveyor tracks built from one range of components for multi-purpose applications: power only, power & free, over-and-under and hand-pushed trolley systems.

FEATURES & BENEFITS

HIGH-STRENGTH TRACK
Roll-formed square tube steel, up to 26% higher yield strength than carbon steel.

25 TO 3,000 LBS.
Power & free handles 25 to 3,000 lbs. with a four-trolley load bar.

ACCUMULATION & BANKING
Power & free adds on-line accumulation and diagonal banking.

START HAND-PUSHED
Properly configured hand-pushed systems can be converted to powered later.



ALSO AVAILABLE



POWER & FREE
On-line accumulation and diagonal banking.



POWER ONLY
Continuous flow or indexing to 250 lbs.

SPECIFICATIONS PUBLISHED FEATURES

Track	Square tubular section roll-formed from high-strength steel; up to 26% higher yield strength than carbon steel
Stainless Track	Roll-formed 300 series stainless for parts washers and corrosive environments
Track Lengths	10' or 20'
Chain	8" nominal load centers; 4-1/16" pitch with a four-way universal joint at each pitch
Power Only	Straight overhead or inverted; individual loads up to 250 lbs.
Power & Free	25 to 3,000 lbs. with a four-trolley load bar
Trolleys	Standard and heavy-duty models, up to 750 lbs. per single trolley
Hand-Pushed	250 lbs. per trolley; up to 1,000 lbs. with four trolleys on load bars
Horizontal Turns	24" minimum radius, bends from 15° to 180°
Vertical Curves	36" minimum radius, 45° maximum incline and decline
Drive Unit	750 lbs. chain pull; automatic overload cut-off factory set at 1,100 lbs.
Drive Speeds	Standard speeds from 1 to 60 FPM (5, 17 and 60 FPM for power & free)
Over-and-Under	Gravity, powered and power & free versions bypass floor aisles and obstacles

COMMON APPLICATIONS

- Continuous flow or indexing operations
- Finishing and material movement
- Vehicle frame members and elongated products
- Bypassing floor aisles and obstacles
- Parts washers and corrosive environments
- Non-mechanized areas with hand-pushed trolleys

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability engineers the route, builds the supports and keeps the overhead system running after startup.

(800) 798-0410

ELECTRIFIED MONORAIL



SELF-POWERED CARRIERS, EACH MOVING AT ITS OWN SPEED.

An electrified monorail is a conveyance system where the carriers themselves have motors and wheels, so each moves on its own, travels at variable speeds and stops at precise positions.

FEATURES & BENEFITS

VARIABLE SPEED
Each carrier travels at variable speeds and stops at precise positions.

NO CHAIN, NO LUBRICANT
Urethane wheels mean no chains or lubricant are required.

CONTACTLESS POWER
No sparking or noise, and no abrasion debris to clean up.

LIFT & TRANSFER
Lifting and transferring equipment can be added to the carriers.



SPECIFICATIONS PUBLISHED FEATURES

Drive	Motors and wheels on each carrier, so each moves on its own
Speed	Variable, with stops at precise positions
Wheels	Urethane; no chains or lubricant required
Wired Power	Power cable on the side of the rail, picked up by the carriers' collectors
Contactless Power	Two resin-coated cables on the side of the rail supply power without contact
Contactless Benefits	No sparking, noise or abrasion debris; no cleaning or maintenance of the supply
Carrier Options	Lifting and transferring equipment for specific applications and conditions
Control	Multifunctional, with speed, flexibility and precision control

No speeds, capacities or dimensions are published for this system; ask us for figures for your application.

COMMON APPLICATIONS

- Assembly delivery
- Long transport runs
- Buffering and re-sequencing carriers

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability engineers the route, builds the supports and keeps the overhead system running after startup.

(800) 798-0410

FRICTION DRIVE OVERHEAD



CHAIN-FREE DRIVE: CLEAN, QUIET AND MODULAR.

A friction drive system moves loaded carriers and trolleys with driving force supplied through friction. The overhead type allows flexible line configurations, including branching and merging.

FEATURES & BENEFITS

BRANCH AND MERGE
Flexible line configurations, including branching and merging.

STEADY ROLLER DRIVE
A roller drive transports objects stably at a consistent speed.

LOW NOISE, OIL-FREE
Low noise, low impact and oil-free, so it is operator-friendly.

500 TO 2,500 LBS.
Light-duty to 500 lbs. and heavy-duty to 2,500 lbs., at up to 240 FPM.



SPECIFICATIONS PUBLISHED FEATURES

Drive	Roller drive supplies driving force to carriers and trolleys through friction
Layout	Flexible line configurations, including branching and merging
Speed	Stable transport at a consistent speed; 240 FPM maximum
Light-Duty Capacity	500 lbs. maximum
Heavy-Duty Capacity	2,500 lbs. maximum
Track Switches	Simple shuttle type, operated by air cylinder or electric motor
Track	Wide flange track needs fewer supports, for easier, more cost-effective installation
Operation	Low noise, low impact, oil-free

Capacity and speed figures are published for friction drive conveyors generally, not the overhead type alone.

COMMON APPLICATIONS

- Car interior to undercarriage assembly
- Car exterior to finished car assembly
- Dashboard conveyance
- Gentle handling of finished surfaces

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability engineers the route, builds the supports and keeps the overhead system running after startup.

(800) 798-0410



FLOOR FRICTION & ROLLER BED

FRICTION DRIVE PALLETS AND POWER ROLLER BED SKIDS.

Floor friction drive systems move carriers and pallets with driving force through friction, for smooth, stable work on the line. Power roller bed systems transport skids safely and efficiently.

FEATURES & BENEFITS

STABLE WORK ON THE LINE
Smooth, stable conveyance makes work on the line easy and accurate.

BUILT-IN LIFT OPTION
A lift can adjust workpiece height to suit the manufacturing process.

LOAD BAR TURN
Pallets turn and swerve without a turntable, using less power and fewer parts.

POWER ROLLER BED
Modules for slow to high tooling speeds, with rotation, transfer and lift.



ALSO AVAILABLE



POWER ROLLER BED
Transports skids safely and efficiently.

SPECIFICATIONS PUBLISHED FEATURES

Drive	Driving force supplied through friction
Conveyance	Smooth and stable, for easy and accurate work on the line
Lift	Built-in lift function can be added to adjust workpiece height
Direction Change	Load bar turn lets pallets turn and swerve, making a conventional turntable redundant
Efficiency	Load bar turn significantly reduces power consumption, weight and number of components
Roller Bed Speeds	Modules from the slowest to high-end tooling speeds
Roller Bed Options	Custom configurations for rotation, transfer and lift

No standard spec table is published for these systems; ask us for figures for your application.

COMMON APPLICATIONS

- Car interior assembly line conveyance
- Skid transport
- Rotation, transfer and lift stations

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

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(800) 798-0410

TALK TO A CONVEYABILITY ENGINEER

READY TO LAUNCH A NEW LINE OR FIND MORE CAPACITY IN YOUR FACILITY?

Move Smarter, Produce More.

Conveyability engineers and integrates conveyor and material handling systems that reduce downtime, improve flow, maximize floor space and support the way your operation actually works.

Call (800) 798-0410

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COME SEE THE SHOP

2889 Northridge Drive NW
Grand Rapids, MI 49544

24-HOUR SERVICE

Emergency service when the line is down.

Conveyability
CONVEYOR AND STORAGE SYSTEMS

Conveyor & storage systems integrator — Grand Rapids, MI

Conveyability
CONVEYOR AND STORAGE SYSTEMS

CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

FLEXIBLE CONVEYORS.

FLEXIBLE CONVEYOR SYSTEMS AND SUPPORT.

Put conveyor where the work is today, and move it somewhere else tomorrow.

Some material flow is permanent. A lot of it isn't: trailers get unloaded at different doors, seasonal lines appear and disappear, and this month's packout isn't next month's. Flexible conveyor stretches, curves and compresses to follow the work. Pull it to the trailer, snake it around the floor, then fold it against the wall until tomorrow.

- STEEL SKATE WHEEL
- HEAVY-DUTY SKATE WHEEL
- 1.5" POWERED ROLLER FLEX
- RIGID MODULAR
- MEDIUM-DUTY SKATE WHEEL
- 24 VDC POWERED FLEX
- 1.9" POWERED ROLLER FLEX

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime

FLEXIBLE CONVEYORS

FLEXIBLE SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

Flexible conveyor solves the moving half of material flow; fixed systems solve the rest. Conveyability supplies both and knows which is which.

- STEEL SKATE WHEEL
- MEDIUM-DUTY SKATE WHEEL
- HEAVY-DUTY SKATE WHEEL
- 24 VDC POWERED FLEX
- 1.5" POWERED ROLLER FLEX
- 1.9" POWERED ROLLER FLEX
- RIGID MODULAR

WHAT THEY SOLVE:

FLOOR-LOADED TRAILERS

Stretch the line into the trailer and cartons flow out hand to hand, with no carrying.

SEASONAL AND TEMPORARY LINES

Peak packout and short-run work get a real conveyor line for as long as they exist.

GAPS BETWEEN FIXED SYSTEMS

Bridge a dock door to permanent conveyor, or join two lines while the layout is in flux.

A LAYOUT THAT KEEPS CHANGING

Flexible conveyor buys real material flow without pouring the layout in concrete.

LONG RUNS ON THE FLAT

Powered flex drives product on the flat and up gentle grades, and holds spacing.

NO ROOM WHEN IT'S IDLE

Compressed, a flexible line stores against a wall in a fraction of its working length.

COMMON INDUSTRIES

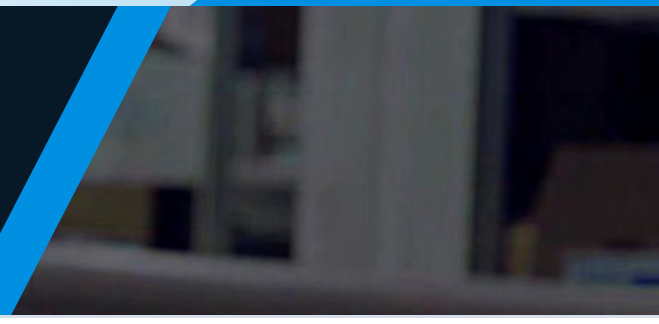
- Ecommerce & Fulfillment
- Warehousing & Logistics
- Distribution & Sortation
- Greenhouses & Nurseries
- Cannabis Farms

OTHER INDUSTRIES WE SERVE

Aerospace · Automotive · Building Materials · Car Wash · Chemical & Food · Consumer Goods Manufacturing · Corrugated Packaging · Electronics & Electrical · Fabricated Metal & Stamping · Finishing Systems · Food & Beverage Processing · Industrial Laundry · Integrators & Machine Builders · Manufacturing & Assembly · Medical Device Manufacturing · Packaging & End-of-Line · Pharmaceutical & Healthcare · Plastics & Injection Molding · Recycling · Tire & Wheel

YOUR FIRST CALL FOR END-TO-END CONVEYOR SOLUTIONS

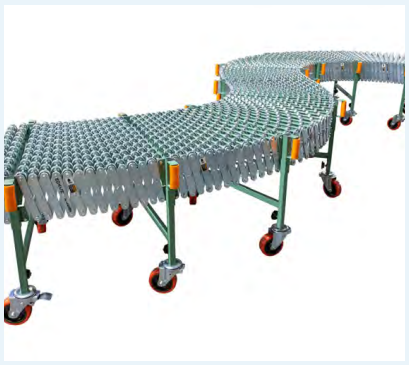
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FLEXIBLE CONVEYORS

FLEXIBLE TYPES

Gravity works with slope or a push; powered flex moves product on the flat, holds spacing and suits longer runs.



STEEL SKATE WHEEL

Durable gravity skate wheel, rated 350 lbs. per ft.



MEDIUM-DUTY SKATE WHEEL

Self-tracking skate wheel, rated 226 lbs. per ft.



HEAVY-DUTY SKATE WHEEL

Heavy packages, high volume, 376 lbs. per ft.



24 VDC POWERED FLEX

Brushless powered flex that tracks through curves.



1.5" POWERED ROLLER FLEX

Flexes around corners to serve multiple dock doors.



1.9" POWERED ROLLER FLEX

All-power flex that stores compact when retracted.



RIGID MODULAR

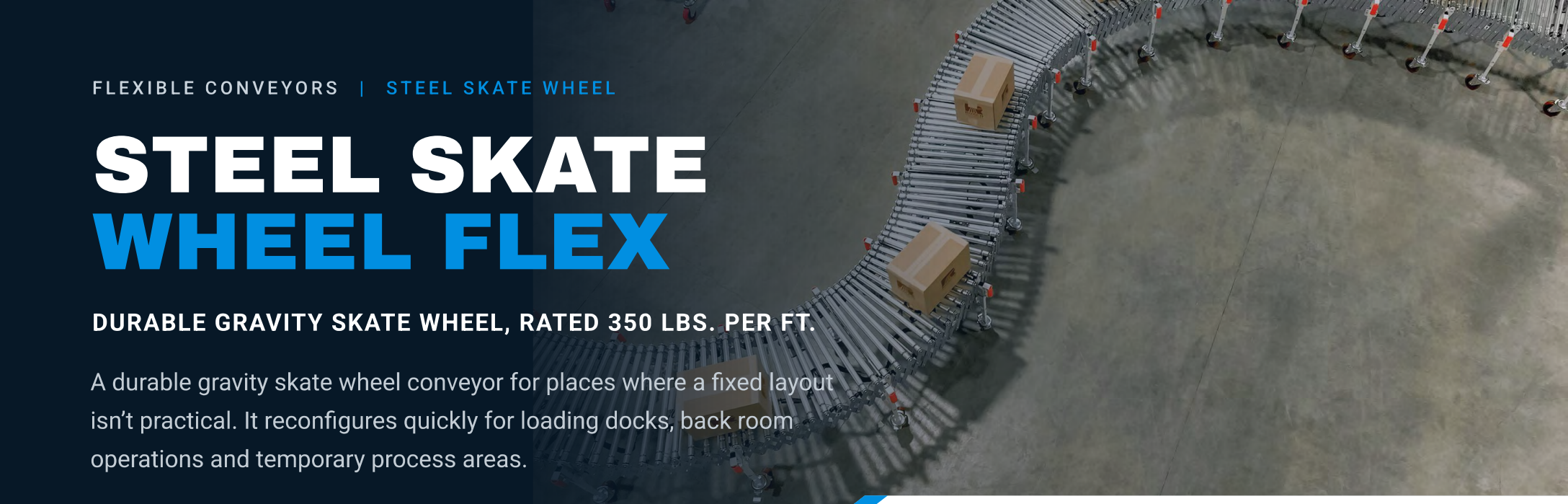
Reconfigurable powered sections for seasonal peaks.

TALK TO A CONVEYABILITY ENGINEER

As an integrator, Conveyability supplies both flexible and fixed conveyor, so the recommendation follows the operation.

(800) 798-0410

STEEL SKATE WHEEL FLEX



DURABLE GRAVITY SKATE WHEEL, RATED 350 LBS. PER FT.

A durable gravity skate wheel conveyor for places where a fixed layout isn't practical. It reconfigures quickly for loading docks, back room operations and temporary process areas.

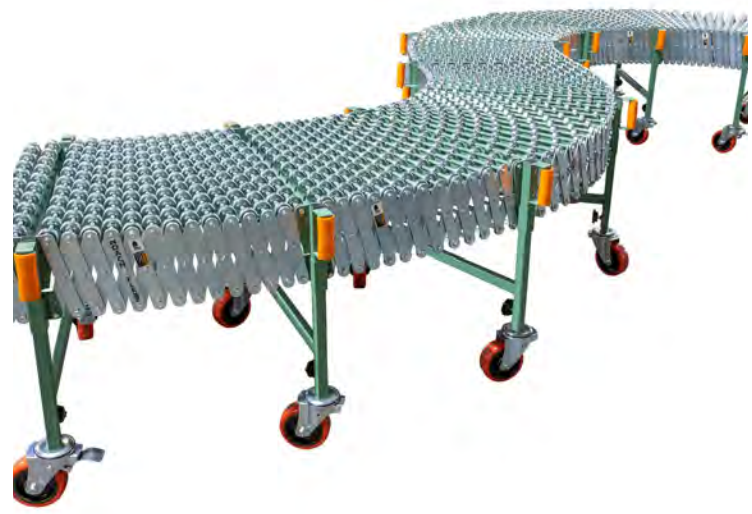
FEATURES & BENEFITS

3.04:1 EXPANSION
Compact storage and extended reach, with 5" axle centers.

350 LBS. PER FT.
Rated capacity of 350 lbs. per foot.

HANDLES ON EACH LEG
Integrated leg handles and 6" x 2" casters for repositioning.

LINKS TO MORE SECTIONS
Multiple conveyor sections can be linked together.



SPECIFICATIONS STANDARD CONFIGURATION

Wheels	1-15/16" dia. prelubricated steel ball bearing skate wheel with hardened raceway
Axles	Heavy-duty 5/16" galvanized steel bolt type axle and lock nut; 5" axle centers
Side Links	Heavy-duty 7 ga. steel
Leg Supports	Solid weld construction; four-point leg support connections; handles on each leg
Casters	6" x 2"
Conveying Surface	18", 24", 30"
Height Adjustment	31-1/2" to 42-1/2"
Expansion Ratio	3.04:1 with 5" axle centers
Capacity	350 lbs. per ft.

OPTIONS

Width | Axle Center | Height

COMMON APPLICATIONS

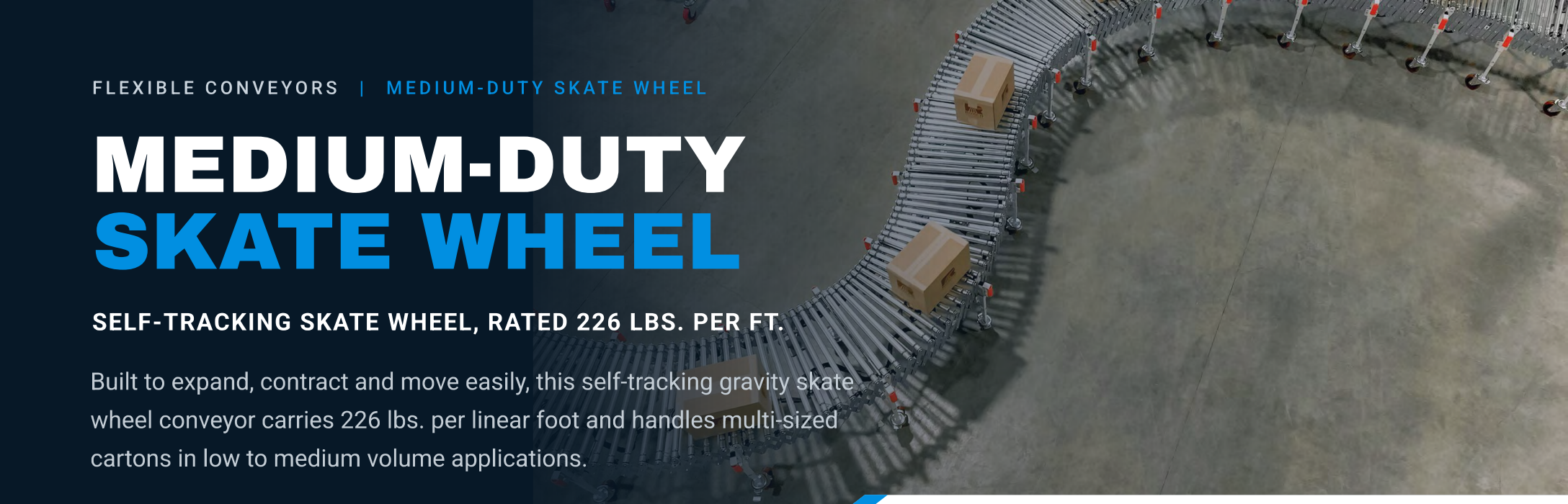
- Truck loading and unloading
- Parcel and small package handling
- E-commerce fulfillment and sortation
- Retail back room operations
- Airport baggage and package movement
- Temporary lines in warehouses and DCs

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

As an integrator, Conveyability supplies both flexible and fixed conveyor, so the recommendation follows the operation.

(800) 798-0410

MEDIUM-DUTY SKATE WHEEL



SELF-TRACKING SKATE WHEEL, RATED 226 LBS. PER FT.

Built to expand, contract and move easily, this self-tracking gravity skate wheel conveyor carries 226 lbs. per linear foot and handles multi-sized cartons in low to medium volume applications.

FEATURES & BENEFITS

SELF-TRACKING
Self-tracking design that expands, contracts and moves easily.

MULTI-SIZED CARTONS
Handles multi-sized cartons in low to medium volume applications.

8' TO 60' LENGTHS
18" or 24" wide, with heights from 20" to 52".

WHEEL CHOICES
Black polymer wheels standard; zinc plated and red polymer available.



SPECIFICATIONS STANDARD CONFIGURATION

Load Capacity	226 lbs. per ft.
Skate Wheels	Black polymer standard; zinc plated and red polymer available
Axle Centers	5.25" standard; 3" and 4" available
Axle Shaft	5/16"
Conveyor Widths	18" or 24"
Conveyor Lengths	8' to 60'
Conveyor Heights	20" to 52"
Casters	5" x 1.5" standard; 8" x 2" available
Side Links	11 ga. steel
Frame	All steel construction
Legs	Zinc plated with welded horizontal leg braces

OPTIONS

Curve Guards | Swing Stick | T-Junctions

COMMON APPLICATIONS

- E-commerce
- Retail
- Manufacturing and packaging

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As an integrator, Conveyability supplies both flexible and fixed conveyor, so the recommendation follows the operation.

(800) 798-0410



HEAVY-DUTY SKATE WHEEL

HEAVY PACKAGES, HIGH VOLUME, 376 LBS. PER FT.

A heavy-duty gravity skate wheel conveyor with double welded cross braces and square tubing legs in adjustable or fixed height, built to support heavy packages in high volume environments.

FEATURES & BENEFITS

376 LBS. PER FT.
Supports heavy packages in high volume environments.

ADJUSTABLE OR FIXED LEGS
Heavy-duty square tubing legs in adjustable or fixed height.

UP TO 36" WIDE
Widths of 18", 24", 30" and 36"; lengths from 8' to 60'.

7 GA. SIDE LINKS
7 ga. steel side links and double welded leg braces.



SPECIFICATIONS STANDARD CONFIGURATION

Load Capacity	376 lbs. per ft.
Skate Wheels	Zinc plated standard; black polymer and red polymer available
Axle Centers	5.25" standard; 3" and 4" available
Axle Shaft	5/16"
Conveyor Widths	18", 24", 30", 36"
Conveyor Lengths	8' to 60'
Conveyor Heights	20" to 53"
Casters	5" x 1.5" up to 40', 6" x 2" over 40'; 6" x 2" or 8" x 2" available
Side Links	7 ga. steel
Frame	All steel construction
Legs	Zinc plated with welded double horizontal leg braces
Leg Options	Adjustable height or fixed height square tubing

OPTIONS

Curve Guards | Swing Stick | T-Junctions | Side Handles | Heavy-Duty Impact Cart

COMMON APPLICATIONS

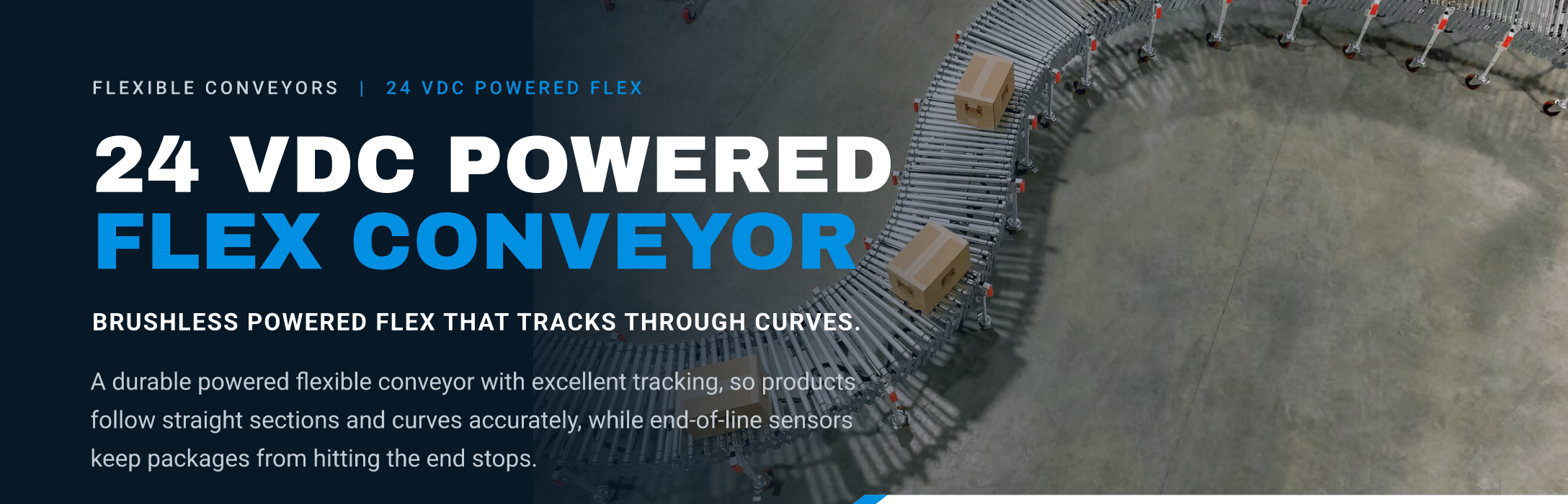
- Warehouses and distribution centers
- E-commerce
- Parcel post
- Retail
- Third-party logistics
- Manufacturing and packaging

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

As an integrator, Conveyability supplies both flexible and fixed conveyor, so the recommendation follows the operation.

(800) 798-0410

24 VDC POWERED FLEX CONVEYOR



BRUSHLESS POWERED FLEX THAT TRACKS THROUGH CURVES.

A durable powered flexible conveyor with excellent tracking, so products follow straight sections and curves accurately, while end-of-line sensors keep packages from hitting the end stops.

FEATURES & BENEFITS

24 VDC BRUSHLESS DRIVE
60 watt brushless motor system with zone control cards.

ACCURATE TRACKING
Products follow straight sections and curves with exceptional accuracy.

END-OF-LINE SENSORS
Sensors protect packages by preventing contact with end stops.

UP TO 2.58:1 EXPANSION
1.85:1 at 3" roller centers; 2.58:1 at 5" roller centers.



SPECIFICATIONS STANDARD CONFIGURATION

Rollers	1.5" dia. x 16 ga. galvanized grooved roller
Axles	Heavy-duty 5/16" galvanized steel bolt type axle and lock nut; 5" axle centers
Side Links	Heavy-duty 7 ga. steel
Leg Supports	Solid weld construction; four-point leg support connections; ergonomic handles on each leg
Casters	6" x 2"
Conveying Surface	24", 30", 36"
Height	32"
Length	Up to 60'
Capacity	50 lbs. per ft.
Motors	24 VDC, 60 watt brushless motor system
Controls	Zone control cards
Expansion Ratio	1.85:1 at 3" roller centers; 2.58:1 at 5" roller centers

OPTIONS

Width | Axle Center | Height | Accumulation | E-Stops

COMMON APPLICATIONS

- Truck loading and unloading
- Parcel and small package handling
- E-commerce fulfillment and sortation
- Retail back room operations
- Airport baggage and package movement
- Temporary lines in warehouses and DCs

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

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(800) 798-0410

1.5" POWERED FLEX ROLLER



FLEXES AROUND CORNERS TO SERVE MULTIPLE DOCK DOORS.

Powered rollers make loading and unloading fast and efficient with less operator assistance. The conveyor flexes around corners, services multiple dock doors and works in close quarters.

FEATURES & BENEFITS

MULTIPLE DOCK DOORS
Flexes around corners to service multiple dock doors.

0 TO 120 FPM
Adjustable line speeds from 0 to 120 FPM.

100 LBS. PER FT.
Heavy-duty 16 ga. zinc plated rollers with precision bearings.

STANDARD 120V POWER
Fractional DC motors run from a 120V AC single phase supply.



SPECIFICATIONS STANDARD CONFIGURATION

Load Capacity	100 lbs. per ft.
Roller Diameter	1.5" (1.9" optional)
Rollers	Heavy-duty 16 ga. zinc plated steel with precision bearings
Axle Centers	3" or 5"
Drive Motors	Fractional DC with 120V AC single phase power supply
Electrical Service	15 amp standard; 20 and 30 amp optional
Conveyor Width	30" (others available on request)
Extended Lengths	24', 36', 40'
Conveyor Heights	30" to 36"
Casters	8" x 2" (6" x 2" optional)
Legs	Powder-coated, heavy-duty leg supports

OPTIONS

- Heavy-Duty Impact Cart
- Herringbone Transition
- Guide Track
- Mobile Belted Loader

COMMON APPLICATIONS

- Warehouses and distribution centers
- E-commerce
- Parcel post
- Retail
- Third-party logistics
- Manufacturing and packaging

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

As an integrator, Conveyability supplies both flexible and fixed conveyor, so the recommendation follows the operation.

(800) 798-0410

1.9" POWERED FLEX ROLLER



ALL-POWER FLEX THAT STORES COMPACT WHEN RETRACTED.

This powered roller flexible conveyor needs less storage space when fully retracted and can service multiple dock doors. It is an all-power conveyor with a capacity of 100 lbs. per linear foot.

FEATURES & BENEFITS

COMPACT WHEN RETRACTED
Requires less storage space when fully retracted.

MULTIPLE DOCK DOORS
Services multiple docking doors for maximum productivity.

12' TO 48' LENGTHS
Widths from 18" to 36"; heights from 28.5" to 37.5".

0 TO 120 FPM
Adjustable line speeds from 0 to 120 FPM.



SPECIFICATIONS STANDARD CONFIGURATION

Load Capacity	100 lbs. per ft.
Roller Diameter	1.9"
Rollers	Heavy-duty 16 ga. zinc plated steel with precision bearings
Axle Centers	5" standard; 3" and 4" available
Drive Motors	Fractional DC with 120V AC single phase power supply
Electrical Service	15 amp standard; 20 and 30 amp optional
Conveyor Widths	18", 24", 30", 36"
Conveyor Lengths	12' to 48'
Conveyor Heights	28.5" to 37.5"
Casters	8" x 2"
Upper Legs	1.5" square tubing
Side Plates	2" aluminum
Legs	Powder-coated, heavy-duty leg supports

OPTIONS

- Heavy-Duty Impact Cart
- Herringbone Transition
- Guide Track
- Mobile Belted Loader

COMMON APPLICATIONS

- Warehouses and distribution centers
- E-commerce
- Parcel post
- Retail
- Third-party logistics
- Manufacturing and packaging

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As an integrator, Conveyability supplies both flexible and fixed conveyor, so the recommendation follows the operation.

(800) 798-0410

RIGID MODULAR CONVEYORS



RECONFIGURABLE POWERED SECTIONS FOR SEASONAL PEAKS.

Rigid modular conveyors help a business adapt quickly to changing requirements, using highly reconfigurable components to build different layouts as needed or during seasonal peaks.

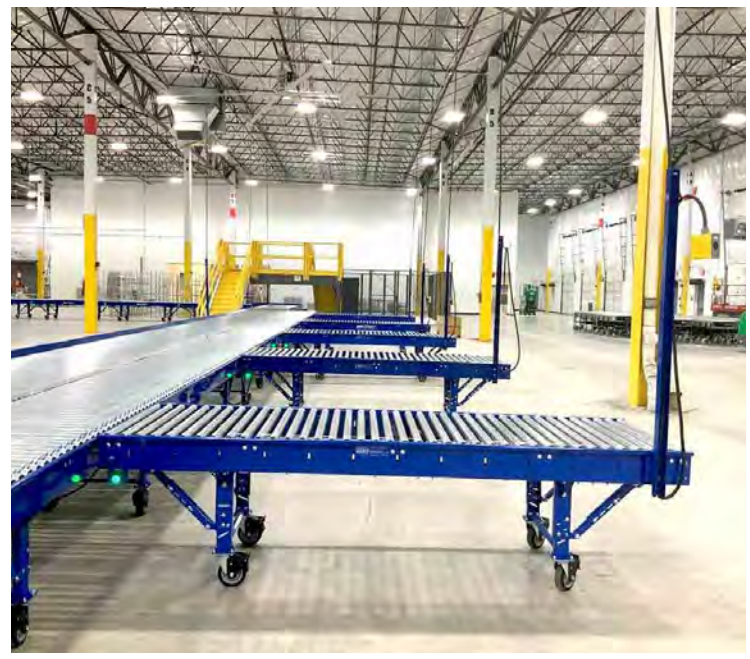
FEATURES & BENEFITS

RECONFIGURABLE SECTIONS
Straights, curves, centralizers, inclines, skews and merges combine as needed.

VARIABLE 0 TO 120 FPM
DC motors with variable speed from 0 to 120 FPM.

ACCUMULATION ZONES
Straight sections have accumulation zones approximately every 33".

30 AMP, 110 VAC POWER
Sections run from 30 amp, 110 VAC power; motors operate on 90 VDC.



SPECIFICATIONS STANDARD CONFIGURATION

Load Capacity	75 lbs. per ft.
Rollers	1.9" heavy-duty 16 ga. zinc plated steel with precision bearings
Roller Widths	24", 30", 36", 48"
Axle Centers	2" or 3"
Motors	DC with 120V AC; variable speed 0 to 120 FPM
Conveyor Heights	Adjustable
Casters	6" x 2"
Straights	36", 60", 90", 120" long; 24" to 48" wide; accumulation zones about every 33"
Curves	Conical rollers; universal for left or right hand applications
Centralizers	120" long x 48" wide; center packages before and after curves
Coated Roller Inclines	120" long; 36" or 48" wide; 9° to 10° maximum incline
Skews	120" long; 36" or 48" wide; push product to one side
Merges	120" long; 30", 36" or 48" wide; 45° merge angle

OPTIONS

- Cord Protection
- Side Rails 3" x 120"/144"
- Stainless Transfer Plates

COMMON APPLICATIONS

- Warehouses and distribution centers
- E-commerce
- Retail
- Third-party logistics
- Tire handling
- Manufacturing and packaging

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

As an integrator, Conveyability supplies both flexible and fixed conveyor, so the recommendation follows the operation.

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24-HOUR SERVICE

Emergency service when the line is down.

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CONVEYOR AND STORAGE SYSTEMS

Conveyor & storage systems integrator — Grand Rapids, MI

Conveyability
CONVEYOR AND STORAGE SYSTEMS

CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

TRANSFER SYSTEMS.

CONVEYOR TRANSFER SYSTEMS AND FABRICATION.

Stop losing product at the handoff between two machines.

Walk any line and the trouble lives at the handoffs: the gap that catches small cartons, the dead plate that stalls light ones, the transfer that scuffs every case at speed. Conveyability engineers transfer points as their own discipline, with pop-up chain and roller transfers, turntables, pushers and diverts matched to the product, the angle and the rate.

- CHAIN TRANSFERS
- SPECIALTY TRANSFERS
- TRANSFER CARTS
- BELT & WHEEL TRANSFERS
- TURNTABLES
- BALL & ROLLER TRANSFER

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime

TRANSFER SYSTEMS

TRANSFER SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

A transfer moves product off one conveyor and onto another. We engineer, fabricate and install the handoff, matched to product, angle and rate.

- CHAIN TRANSFERS
- BELT & WHEEL TRANSFERS
- SPECIALTY TRANSFERS
- TURNTABLES
- TRANSFER CARTS
- BALL & ROLLER TRANSFER

WHAT THEY SOLVE:

SMALL CARTONS LOST IN THE GAP

Gap geometry, dead plates, powered transfer rollers and guides are designed around your smallest product.

CASES SCUFFED AT SPEED

Transfers matched to the product, the angle and the rate move product without bruising it.

PALLETS AND HEAVY UNIT LOADS

Pop-up chain strands rise between rollers to carry pallets and heavy loads off at ninety degrees.

FLOW THAT REVERSES OR TURNS TIGHT

A turntable rotates the load and sends it down any leg, reorienting product where the layout turns.

ONE TRANSFER THAT JAMS DAILY

One engineered handoff, fabricated and installed in a planned window, without replacing the line.

TIMING THAT MAKES OR BREAKS IT

Sensing, timing and permissives are engineered together with the mechanical design.

COMMON INDUSTRIES

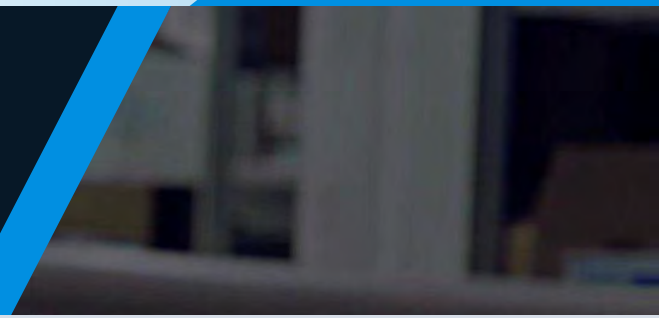
- Automotive
- Building Materials
- Corrugated Packaging
- Distribution & Sortation
- Electronics & Electrical
- Fabricated Metal & Stamping
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TRANSFER SYSTEMS

TRANSFER TYPES

The load decides: chain strands for pallets and heavy unit loads, powered rollers for cartons and totes.



CHAIN TRANSFERS

Right-angle moves for pallets and heavy unit loads.



BELT & WHEEL TRANSFERS

A softer touch for product that chain would mark.



SPECIALTY TRANSFERS

For transfers where standard conveyors won't do.

ALSO AVAILABLE

7-Strand Belt Transfer



TURNTABLES

Rotate the load and send it down any leg.

ALSO AVAILABLE

Non-Marking Grid



TRANSFER CARTS

Move heavy loads sideways between lines.

ALSO AVAILABLE

Turntable Cart



BALL & ROLLER TRANSFER

Push product sideways with far less effort.

ALSO AVAILABLE

Ball Transfer Gravity

TALK TO A CONVEYABILITY ENGINEER

Conveyability engineers the transfer point, then fabricates, installs and supports it as one team.

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CHAIN TRANSFERS



RIGHT-ANGLE MOVES FOR PALLETS AND HEAVY UNIT LOADS.

A 3-strand chain transfer uses three parallel strands of flat side bar chain to move heavy unit loads at right angles between conveyor runs, in tight layouts that do not allow large radius turns.

FEATURES & BENEFITS

3,000 LBS. CAPACITY
Rated for 3,000 lbs.; a version with larger No. 80 chain adds rigidity.

PNEUMATIC LIFT
Air bags raise the chain strands into position; positive lift is optional.

TIGHT LAYOUTS
Redirects rigid pallets, crates and heavy goods where wide turns won't fit.

REVERSIBLE OPTION
End drive for one-direction flow; optional center drive for reversing.



SPECIFICATIONS STANDARD CONFIGURATION

Transfer Arm	7 ga. formed channel
Transfer Chain	No. 60 flat side bar chain
Standard Lengths	3', 4', 5', 6', 7' and 8' unit lengths
Chain Centers	18"
Chain Take-Up	Screw type
End Drive	One-direction operation; optional center drive for reversible applications
Lift	Pivot type
Bearings	Heavy duty, lubricated ball bearing units with cast iron housings
Chain Speed	35 FPM constant
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Capacity	3,000 lbs.
Air Controls	Air bag(s) with single solenoid valve; 60 to 80 PSI required
Cutouts	Required through conveyor frame transfer mounts with end drive; may be required with center drive

OPTIONS

Strand Count | Positive Lift | FRL | Floor Supports | Chain Center | Chain Speed | Motors | Controls

COMMON APPLICATIONS

- Right-angle transfers between parallel conveyor runs
- Product routing to multiple downstream lines
- Pallet turning or reorienting within a conveyor cell
- Carton diverting in accumulation or sortation areas
- Controlled transfers in limited floor space layouts

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

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BELT & WHEEL TRANSFERS



A SOFTER TOUCH FOR PRODUCT THAT CHAIN WOULD MARK.

V-belt transfers redirect medium duty products at right angles between conveyor runs. They suit delicate surfaces that metal chain could mar, with a softer interface and controlled directional change.

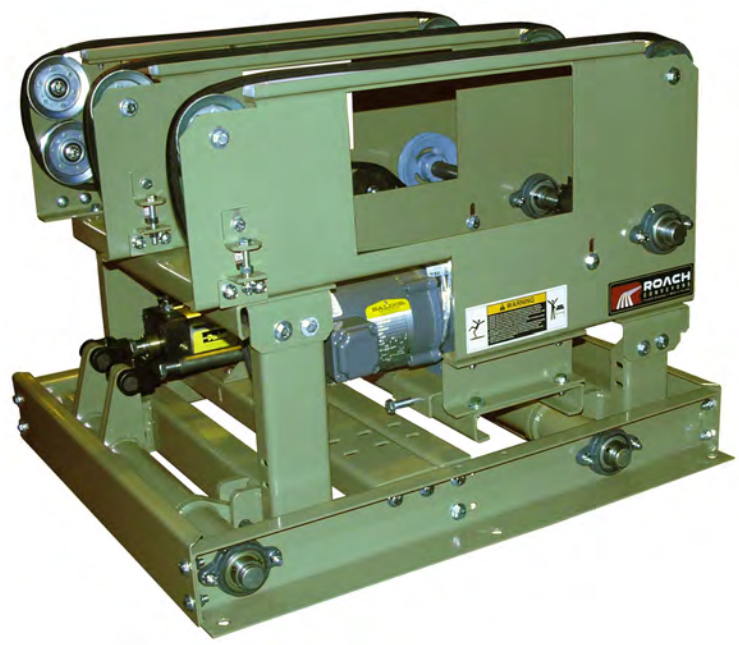
FEATURES & BENEFITS

SOFTER ON PRODUCT
B section V-belts give delicate surfaces a softer interface than metal chain.

POSITIVE LIFT
Air cylinders raise the belt strands into the product path.

REVERSIBLE CENTER DRIVE
The center drive allows reversible operation.

WHEEL & ROUND-BELT TOO
Wheel transfers suit gravity lines; round-belt transfers mount in powered roller.



SPECIFICATIONS STANDARD CONFIGURATION

Transfer Arm	10 ga. formed channel
Transfer Belt	B section V-belt
Standard Lengths	3', 4', 5', 6', 7' and 8' unit lengths
Strands	2, 3, 4 or more
V-Belt Centers	As required
Center Drive	Allows reversible operation
Lift	Positive type
Bearings	Heavy duty, lubricated ball bearing units with cast iron housings
Belt Speed	As required
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Floor Supports	Integral, adjustable from 18" to 20" top of V-belt (down position)
Capacity	Unit load not to exceed 500 lbs.
Air Controls	60 to 80 PSI required on air cylinders

OPTIONS

Strand Count | Positive Lift | Floor Supports | Strand Center | Belt Speed | Motors | Controls

COMMON APPLICATIONS

- Right-angle transfers between parallel conveyor runs
- Product routing to multiple downstream lines
- Pallet turning or reorienting within a conveyor cell
- Carton diverting in accumulation or sortation areas
- Controlled transfers in limited floor space layouts

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SPECIALTY TRANSFERS



FOR TRANSFERS WHERE STANDARD CONVEYORS WON'T DO.

Specialty transfer conveyors move products between conveyor sections, change travel direction or carry loads across gaps where standard conveyors are not suitable.

FEATURES & BENEFITS

MULTI-STRAND BELT
Belt transfers over 6' long, with strand centerlines from 12" to 48".

PROTECTS THE FINISH
Roughtop belting moves steel in the flat without scratching the metal.

BUILT INTO CDLR LINES
Chain and V-belt pop-up transfers mount in chain driven live roller.

CHAIN PULLERS
2" UHMW dogs pull products across from one conveyor to the other.



ALSO AVAILABLE



7-STRAND BELT TRANSFER
For metal lengths up to 32' and 150 lbs.

SPECIFICATIONS PUBLISHED FEATURES

7-Strand Belt	2" nitrile roughtop belts, varied strand spacing for metal up to 32' long and 150 lbs.
10-Strand Belt	Over 6' long; strand centerlines 12" to 48"; 2" roughtop belting; pivot type lift
3-Strand Slat	Reversible, raised pneumatically, with a driven relief section to the chain conveyor
9-Strand Chain Puller	2" high UHMW plastic dogs move products from one conveyor to the other
CDLR with V-Belt	CDLR on 4" centers with a pop-up V-belt transfer for multiple product sizes
CDLR with Chain	Heavy duty CDLR with two same-side mounted chain transfers
MDR with Gravity Pop-Up	24V motor driven rollers and a gravity pop-up transfer for pallet loading and unloading
Powered Roller with Belt	3/8" polyurethane round belt transfer; optional reversible flow
Chain Drag with Transfer	Loads up to 700 lbs.; inset positive lift chain transfer and diamond tread top plate

No standard spec table is published; rows describe built examples. Ask us for data for your application.

COMMON APPLICATIONS

- Moving products between perpendicular conveyors
- Moving items across gaps in conveyor lines
- Shifting loads between different conveyor surfaces
- Infeed and discharge for automated equipment
- Positioning products for downstream processing
- Transitions in complex conveyor layouts

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POWERED TURNTABLES



ROTATE THE LOAD AND SEND IT DOWN ANY LEG.

Turntable conveyors reorient loads within a conveyor system by rotating packages or pallets to a new direction of travel, at intersections, merge points and layout transitions.

FEATURES & BENEFITS

360° CONTINUOUS ROTATION
The medium duty unit rotates continuously at 60 FPM at the outside diameter.

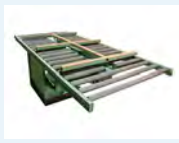
INDEXING FOR PALLETS
A heavy duty indexing unit stops at 2, 3 or 4 positions, up to 4,000 lbs.

ENCLOSED CHAIN DRIVE
No. 80 roller chain drive, completely enclosed.

GRID & SPECIALTY DECKS
Open grid decks and top-mounted modules extend what a turntable can do.



ALSO AVAILABLE



NON-MARKING GRID
Pneumatic grid, turned 180° by the operator.

SPECIFICATIONS STANDARD CONFIGURATION

Rotation	360° continuous
Speed	60 FPM at outside diameter
Chain Drive	No. 80 roller chain
Chain Guard	Chain drive completely enclosed
Casters	(8) 5" dia. heavy duty rubber-covered casters support the carrier platform
Skate Wheels	1-15/16" dia. zinc-plated skate wheels at the infeed and discharge ends
Bearings	Removable type, heavy duty ball bearing, 4-hole flange
Elevation	Minimum 18" to top of plate
Carrier Platform	1/4" thick steel plate rotates on heavy duty casters
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Capacity	500 lbs. maximum load; 150 lbs. maximum unit load

OPTIONS

Diameter | Elevation | Floor Supports | Speed | Motors | Controls

COMMON APPLICATIONS

- Pallet reorientation at merge or transfer points
- Direction changes between perpendicular lines
- Load positioning for automated processing or storage
- Accumulation and release control in pallet systems
- Transitions within space-limited layouts

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TRANSFER CARTS



MOVE HEAVY LOADS SIDEWAYS BETWEEN LINES.

Transfer carts move heavy loads laterally between conveyor lines, workstations or processing zones, traveling a fixed track or guide path for controlled positioning across multiple lanes or aisles.

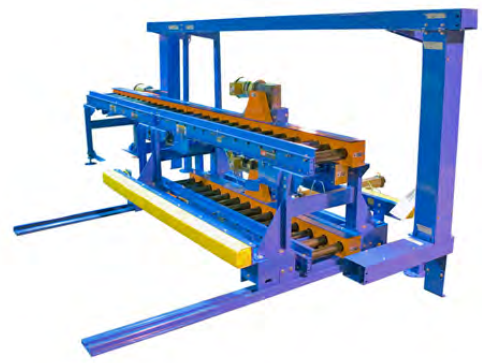
FEATURES & BENEFITS

OVER 8,000 LBS.
A 60' turning cart supports products over 8,000 lbs. along its full length.

LIFT & TRANSFER
A gravity roller transfer cart lifts up to 4,000 lbs. with 1" clearance.

LOW-PROFILE LOADING
Receives racks at 9" for manual loading, then elevates to 19" by scissor lift.

CART & TURNTABLE
A cart topped with a powered roller turntable moves and rotates large products.



ALSO AVAILABLE



TURNTABLE CART
Cart topped with a powered roller turntable.

SPECIFICATIONS PUBLISHED FEATURES

Two-Tier CDLR Cart	Two-tier heavy duty chain driven live roller transfer cart
Dual CDLR Cart	Infeed and discharge CDLR side by side; the cart moves side to side to the right line
Cart with Turntable	Manual turntable on a transfer cart for inspection, then moved along a floor track
Gravity Roller Cart	3-strand gravity transfer lifts up to 4,000 lbs. with 1" clearance; floor-mounted track
Low Profile Turntable	Powered roller turntable on a cart, with pneumatic roller stops and safety-stop bumpers
Low-Pro Cart	Receives racks at 9" and elevates to 19" by scissor lift; MDR powered
Powered Cart	V-groove casters on a 6' inverted-angle track between two conveyor lines
Turning Cart	60' long heavy duty structural steel; supports products over 8,000 lbs.
Pneumatic Shuttle Cart	Dual stage cylinders hold and pull the conveyor into position

No standard spec table is published; rows describe built examples. Ask us for data for your application.

COMMON APPLICATIONS

- Transferring loads between parallel conveyor lines
- Moving products across aisles or process zones
- Positioning loads for machining or assembly
- Supporting flexible manufacturing layouts
- Feeding and discharging automated equipment
- Handling heavy or oversized products

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TRANSFER ROLLER & BALL TRANSFER



PUSH PRODUCT SIDEWAYS WITH FAR LESS EFFORT.

A drop-in transfer roller converts a standard roller conveyor section for bidirectional diverting, so cartons, totes and irregular loads change direction smoothly, much like a ball transfer.

FEATURES & BENEFITS

UP TO 80% LESS PUSH
Cuts the force needed to push packages across a conveyor by up to 80%.

DROPS INTO YOUR FRAME
Installs in any brand 1.9" O.D. grooved roller conveyor with no modifications.

BIDIRECTIONAL DIVERTING
Smooth, controlled redirection of packages and containers across lines.

BALL TRANSFER BEDS
1" steel ball assemblies rated at 50 lbs. per ball, set 1/4" above the frames.



ALSO AVAILABLE



TRANSFER ROLLER
Drops into any 1.9" O.D. grooved roller conveyor.

SPECIFICATIONS STANDARD CONFIGURATION

Transfer Roller Fit	Replaces any brand 1.9" O.D. grooved rollers; no frame modifications
Transfer Roller Types	Gravity, grooved, Poly-V, belt driven live roller and chain driven live roller
Ball Assemblies	1" dia. steel ball x 1-13/16" overall housing dia.; 1/4"-20 mounting bolt
Ball Capacity	50 lbs. per ball; max. unit load not to exceed the capacity of 4 balls (200 lbs.)
Ball Frames	3-1/2" x 1-1/2" x 10 ga. steel, balls set high (1/4" above side frames) only
Ball Frame Capacity	1,300 lbs. max. distributed live load per 10' section on 10' centers; 3,200 lbs. on 5' centers
Ball Plates	Square ball pattern on 10 ga. formed plates up to 39" BF; 7 ga. plates above 39"
Couplings	Butt type

OPTIONS

Gravity Roller | Grooved Roller | Poly-V Roller | Belt Driven Live Roller | Width | Ball Center | Ball Count

COMMON APPLICATIONS

- Manual transfer zones
- Cross belt package redirection
- Sortation support areas
- Intersecting conveyor lines
- Operator assisted package handling
- Parcel and small package handling

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READY TO LAUNCH A NEW LINE OR FIND MORE CAPACITY IN YOUR FACILITY?

Move Smarter, Produce More.

Conveyability engineers and integrates conveyor and material handling systems that reduce downtime, improve flow, maximize floor space and support the way your operation actually works.

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Emergency service when the line is down.

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VERTICAL CONVEYORS.

MAXIMIZE YOUR FACILITY SPACE WITH VERTICAL CONVEYORS.

Your facility doesn't have to grow outward to support a growing operation.

Our vertical reciprocating conveyors (VRCs) help you take advantage of all of the available vertical space. Add capacity on mezzanines and upper levels without expanding your building's footprint, move material between floors without extra trips, stairs or forklift traffic, and lift pallets, carts and large products that other lifting methods can't handle safely.

- RECIPROCATING VERTICAL
- PNEUMATIC LIFT & SPIRAL
- MECHANICAL VRC
- CONTINUOUS VERTICAL
- HYDRAULIC VRC
- PACKAGE & MODULAR VRC

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime

VERTICAL CONVEYORS

VRC SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

A VRC moves material safely between floors and mezzanines. We help you plan one that fits your facility, then integrate and install it.

- RECIPROCATING VERTICAL
- CONTINUOUS VERTICAL
- PNEUMATIC LIFT & SPIRAL
- HYDRAULIC VRC
- MECHANICAL VRC
- PACKAGE & MODULAR VRC

WHAT THEY SOLVE:

OUT OF FLOOR SPACE

Add capacity on mezzanines and upper levels without expanding your building's footprint.

FORKLIFT TRIPS BETWEEN LEVELS

Move material between floors without extra trips, stairs or forklift traffic.

LOADS TOO HEAVY TO CARRY UP

Lift pallets, carts and large products that other lifting methods can't handle safely.

PRODUCTION SPLIT ACROSS LEVELS

A VRC connects parts of the production process that would otherwise need extra handling.

STORAGE UP ON A MEZZANINE

Mezzanines and multi-level storage add capacity without expanding the footprint.

SAFE MOVES BETWEEN FLOORS

A code-compliant alternative to forklifts and freight elevators.

COMMON INDUSTRIES

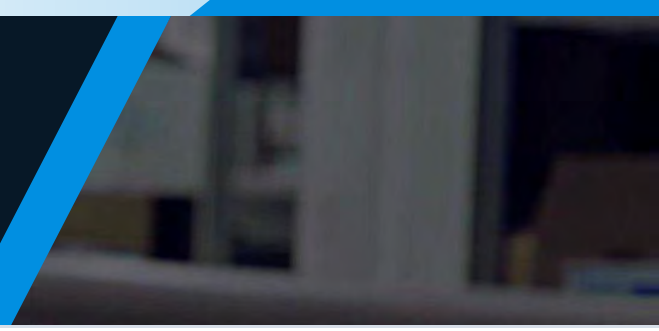
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VERTICAL CONVEYORS

VRC TYPES

Tell us what you need to move, how much it weighs and which levels you need to connect.



RECIPROCATING VERTICAL

A lift platform carries product between elevations.



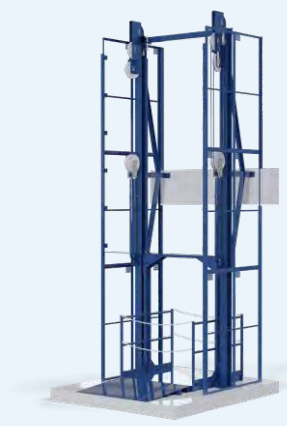
CONTINUOUS VERTICAL

Nonstop vertical transport for higher throughput.



PNEUMATIC LIFT & SPIRAL

Air-powered lifts and no-power spirals between levels.



HYDRAULIC VRC

Smooth, economical lifts to and from a mezzanine.

ALSO AVAILABLE

Direct-Acting Lift
2-Post Cantilever



MECHANICAL VRC

Multi-level stops with precise start-stop control.

ALSO AVAILABLE

2-Post Cantilever
2-Post Straddle



PACKAGE & MODULAR VRC

Light duty boxes, crates and cartons between levels.

ALSO AVAILABLE

Modular VRC

TALK TO A CONVEYABILITY ENGINEER

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RECIPROCATING VERTICAL LIFT



A LIFT PLATFORM CARRIES PRODUCT BETWEEN ELEVATIONS.

A reciprocating vertical conveyor transfers product between elevations using a lift platform and controlled reciprocating motion. In a C-flow layout, product enters and exits on the same side.

FEATURES & BENEFITS

UP TO 3,000 LBS.
A heavy duty tubular frame lifts loads up to 3,000 lbs.

TWIN-CHAIN DRIVE
Two heavy strands of chain raise and lower the carrier platform.

C-FLOW OR Z-FLOW
C-flow and Z-flow patterns and reversing applications are available.

LOAD AT ANY LEVEL
One or more loading points may be selected at any level.



SPECIFICATIONS STANDARD CONFIGURATION

Capacity	Up to 3,000 lbs.
Bed / Frame	Heavy duty tubular construction
Drive	(2) heavy strands of chain raise and lower the carrier platform
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Rate	Varies with unit height
Speed	60 FPM (120 FPM maximum)
Loading	One or more loading points may be selected at any level
Platform	Specify conveyor type
Guards	Expanded metal guarding

OPTIONS

- C-Flow Pattern
- Z-Flow Pattern
- Reversing Application
- Guard Rails
- Speed
- Motors
- Controls

COMMON APPLICATIONS

- Floor-to-floor or mezzanine material transfer
- Pallet and unit load lifts in limited floor space
- Feeding or discharging automated storage systems
- Vertical transitions in sortation or accumulation
- Process elevation changes in manufacturing

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

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CONTINUOUS VERTICAL LIFT



NONSTOP VERTICAL TRANSPORT FOR HIGHER THROUGHPUT.

A continuous vertical conveyor provides uninterrupted vertical transport, using a series of carriers that move continuously to support higher throughput requirements.

FEATURES & BENEFITS

UP TO 25 LOADS/MIN
Carriers move continuously at rates up to 25 loads per minute.

AUTOMATIC LOADING
A metering belt loads the carriers; operator attention is not required.

FOUR-CHAIN DRIVE
Four continuous roller chains, driven by a brake motor.

UP TO 3,000 LBS.
A heavy duty tubular frame with expanded metal guarding.



SPECIFICATIONS STANDARD CONFIGURATION

Capacity	Up to 3,000 lbs.
Bed / Frame	Heavy duty tubular construction
Drive	(4) continuous roller chains driven by a suitably sized brake motor
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Rate	Up to 25 loads per minute
Speed	60 FPM (100 FPM maximum)
Loading	Automatic, by metering belt; operator attention is not required
Platform	Size depends on product
Guards	Expanded metal guarding
Controls	Supplied as required

OPTIONS

C-Flow Pattern | Z-Flow Pattern | Guard Rails | Speed | Motors | Controls

COMMON APPLICATIONS

- Floor-to-floor or mezzanine material transfer
- Pallet and unit load lifts in limited floor space
- Feeding or discharging automated storage systems
- Vertical transitions in sortation or accumulation
- Process elevation changes in manufacturing

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PNEUMATIC LIFTS & SPIRALS



AIR-POWERED LIFTS AND NO-POWER SPIRALS BETWEEN LEVELS.

The pneumatic vertical lift uses compressed air to raise and lower loads between levels. The gravity spiral moves products between elevations on gravity alone, in minimal floor space.

FEATURES & BENEFITS

AIR-POWERED LIFT
Compressed air powers a straightforward lift mechanism.

COMPACT FOOTPRINT
A spiral layout moves product between elevations in minimal floor space.

NO POWER REQUIRED
The spiral is gravity driven and needs no electrical power.

CARTONS, TOTES, PACKAGES
Smooth, consistent flow for cartons, totes and packages.



SPECIFICATIONS STANDARD CONFIGURATION

Height	18'
Between Frame	30"
Overall Width	32"
Side Guards	13"
Type	Gravity spiral (non-powered)
Material Flow	Downward
Construction	Heavy duty frame with precision-formed spiral track
Installation	Floor-mounted; compatible with standard conveyor layouts
Paint	RAL 7035 light grey

Gravity spiral specs shown. The pneumatic lift has no published spec table; ask us for data.

OPTIONS

Width | Radius | Axle Center | Height

COMMON APPLICATIONS

- Cartons, totes and packages between levels
- Connecting to existing conveyor lines
- Fulfillment, pick modules, shipping and receiving
- Less manual lifting and forklift traffic
- Floor-to-floor or mezzanine material transfer
- Feeding or discharging automated storage systems

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HYDRAULIC FREIGHT LIFTS



SMOOTH, ECONOMICAL LIFTS TO AND FROM A MEZZANINE.

Freight lifts, also known as vertical reciprocating conveyors, transfer high-capacity freight between mezzanine levels. Standard hydraulic models travel up to 360" with capacities up to 6,000 lbs.

FEATURES & BENEFITS

4:1 CABLE REEVING
More travel per inch of cylinder stroke, with less stress in the lifting cables.

NO OVERHEAD LIMIT
Cantilevered carriages need no overhead structure, so load height is unlimited.

MEETS ASME B20.1
Every unit meets or exceeds ASME B20.1 safety requirements for conveyors.

INTERLOCKED GATES
Landing gates lock when the carriage leaves and open only when it returns.



ALSO AVAILABLE



DIRECT-ACTING LIFT
Lightweight loads up to 3,000 lbs.



2-POST CANTILEVER
No overhead limit; capacity up to 6,000 lbs.

SPECIFICATIONS STANDARD CONFIGURATION

Travel	192"
Capacity	3,000 lbs.
Lowered Height	4.25"
Raised Height	196.25"
Platform Width	48" min. to 96" max.
Platform Length	48" min. to 144" max.
Max. End Load	1,950 lbs.
Max. Side Load	1,950 lbs.
Raising Time	33.6 sec.
Lowering Time	33.6 sec.
Power Unit	5 HP, remote location
Cylinders	2

Shown: 2-post straddle unit, 192" travel. Travels of 264" and 360" and a 6,000 lb. capacity are also standard.

COMMON APPLICATIONS

- Moving freight to and from a mezzanine
- Mezzanine and multi-level storage
- Connecting production across elevations
- Processing, packaging and storage on other levels
- Lifting pallets, carts and large products

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Conveyability helps you plan a VRC that fits your facility, then sources, integrates and installs it.

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MECHANICAL FREIGHT LIFTS



MULTI-LEVEL STOPS WITH PRECISE START-STOP CONTROL.

Mechanical freight lifts stop at multiple positions with precise control of their stop-start movements. A brake motor and gear reducer drive the carriage on heavy-duty roller chain.



FEATURES & BENEFITS

UP TO 20,000 LBS.
Standard 4-post models carry 6,000 to 20,000 lbs., with 120" to 240" travel.

UP TO 100' OF TRAVEL
The mechanical design enables up to 100' of total vertical travel.

CALL OR SEND TO ANY LEVEL
Programmable lifts can be called or sent to multiple levels in a building.

LEVEL, EVEN OFF-CENTER
Synchronized dual-chain lifting keeps the carriage level throughout its travel.

ALSO AVAILABLE



2-POST CANTILEVER
1,000 to 6,000 lbs.; no overhead restriction.



2-POST STRADDLE
Larger carriages; built for high throughput.

SPECIFICATIONS STANDARD CONFIGURATION

Travel	120"
Capacity	6,000 lbs.
Lowered Height	4.25"
Raised Height	124.25"
Platform Width	72" min. to 144" max.
Platform Length	72" min. to 180" max.
Max. End Load	3,900 lbs.
Raising Time	24 sec.
Lowering Time	24 sec.
Power Unit	7.5 HP, top mount

Shown: 4-post unit, 120" travel. Standard 4-post models run 120" to 240" travel and 6,000 to 20,000 lbs.

COMMON APPLICATIONS

- Multi-level freight transfer
- Mezzanine and multi-level storage
- Connecting production across elevations
- Calling or sending loads to multiple levels
- Lifting pallets, carts and large products

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability helps you plan a VRC that fits your facility, then sources, integrates and installs it.

(800) 798-0410

PACKAGE LIFTS & MODULAR LIFTS



LIGHT DUTY BOXES, CRATES AND CARTONS BETWEEN LEVELS.

Package lifts use a heavy duty gear motor drive with instantaneous braking for repeatable stops, traveling up to 22' with a 500 lb. capacity. Modular VRCs bolt together for 2, 3 or 4 levels.

FEATURES & BENEFITS

INSTANT BRAKING
Instantaneous braking stops and holds the carriage for loading and unloading.

ONE DESIGN, MANY LAYOUTS
A modular structure creates any number of configurations from one design.

2, 3 OR 4 LEVELS
Modular VRC sections stack by forklift and bolt together, with no field welding.

C, Z OR 90° LOADING
Modular VRCs support C, Z or 90-degree loading patterns.



ALSO AVAILABLE



MODULAR VRC
Bolt-together, 2, 3 or 4 levels of access.

SPECIFICATIONS STANDARD CONFIGURATION

Travel	96"
Capacity	500 lbs.
Platform Width	36" min. to 60" max.
Platform Length	36" min. to 60" max.
Power Unit	1 HP
Modular Drive	Overhead mechanical drive, 3 HP, 208-460V/3 ph.
Modular Levels	2, 3 or 4 levels of access
Modular Carriage	Low profile, 4" lowered height
Modular Overhead	8' above upper floor required
Modular Gates	Biparting swing landing gates with safety-rated interlocks, factory mounted

Package lift specs shown for 96" travel. Modular rows and options are the modular VRC's standard features.

OPTIONS

- Upper or Lower Control Panel
- Single Swing Gates
- Carriage Gates
- Enclosed Carriage
- Manual Maintenance Locks
- Non-Standard Carriage Sizes
- Non-Standard Speeds
- Special Finish / Paint

COMMON APPLICATIONS

- Boxes, crates and cartons between levels
- Multi-level access on 2, 3 or 4 levels
- Mezzanine and multi-level storage
- Calling or sending loads to multiple levels
- Relocating or expanding as the facility grows

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability helps you plan a VRC that fits your facility, then sources, integrates and installs it.

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TALK TO A CONVEYABILITY ENGINEER

READY TO LAUNCH A NEW LINE OR FIND MORE CAPACITY IN YOUR FACILITY?

Move Smarter, Produce More.

Conveyability engineers and integrates conveyor and material handling systems that reduce downtime, improve flow, maximize floor space and support the way your operation actually works.

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Emergency service when the line is down.

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CONVEYOR AND STORAGE SYSTEMS

Conveyor & storage systems integrator — Grand Rapids, MI

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CONVEYOR AND STORAGE SYSTEMS

CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

WAREHOUSE MEZZANINE.

WAREHOUSE MEZZANINES AND PLATFORMS.

The cheapest square footage you'll ever add is already inside your building.

Before you lease another building or pour another slab, look up. A mezzanine adds storage, production or office space at considerably lower cost than new construction, with minimal interruption to the working floor below. Conveyability engineers the platform, integrates the lifts and conveyor that feed it, and installs the whole thing around your operation.

- STRUCTURAL STEEL
- RAISED STORAGE
- STAIRS, LADDERS & RAMPS
- CATWALKS & PLATFORMS
- MEZZANINE FLOORING
- HANDRAILS & GATES

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime

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MEZZANINES & PLATFORMS

MEZZANINE SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

A mezzanine project touches structure, lifts, conveyor, safety gates and code. Conveyability carries the whole scope, first layout to final railing.

- STRUCTURAL STEEL
- CATWALKS & PLATFORMS
- RAISED STORAGE
- MEZZANINE FLOORING
- STAIRS, LADDERS & RAMPS
- HANDRAILS & GATES

WHAT THEY SOLVE:

OUT OF FLOOR SPACE

A mezzanine adds storage, production or office space at far lower cost than new construction.

A LEVEL THAT BECOMES DEAD STORAGE

VRCs, conveyor and pallet gates are designed in from the start, so the level earns its keep.

RACK, CART AND PEOPLE LOADS

The structure is engineered to what will happen up there: point, rolling and live loads.

INSTALLING AROUND PRODUCTION

Bolt-together construction goes up quickly and is phased with the floor below still working.

A LAYOUT THAT WILL CHANGE

Free-standing mezzanines unbolt, relocate and extend, unlike permanent construction.

OFFICES, CRIBS AND ENCLOSURES

Offices, tool cribs and secure enclosures go above the floor without giving up an aisle.

COMMON INDUSTRIES

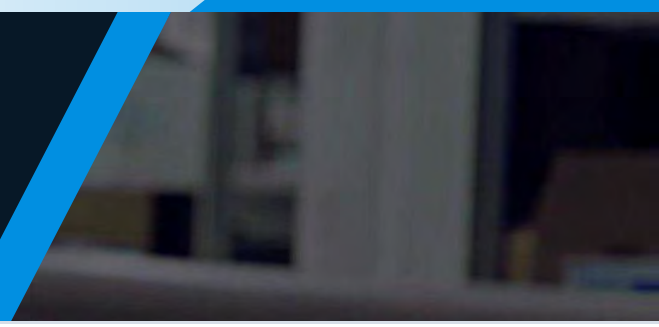
- Warehousing & Logistics
- Ecommerce & Fulfillment
- Distribution & Sortation
- Manufacturing & Assembly
- Automotive
- Food & Beverage Processing

OTHER INDUSTRIES WE SERVE

Aerospace · Building Materials · Cannabis Farms · Car Wash · Chemical & Food · Consumer Goods Manufacturing · Corrugated Packaging · Electronics & Electrical · Fabricated Metal & Stamping · Finishing Systems · Greenhouses & Nurseries · Industrial Laundry · Integrators & Machine Builders · Medical Device Manufacturing · Packaging & End-of-Line · Pharmaceutical & Healthcare · Plastics & Injection Molding · Recycling · Tire & Wheel

YOUR FIRST CALL FOR END-TO-END CONVEYOR SOLUTIONS

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MEZZANINE TYPES

The structure is standard. What it does for the operation is the design question.

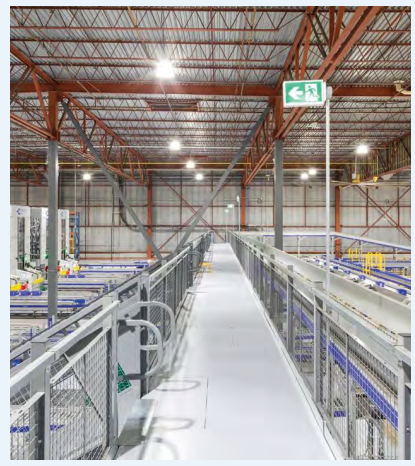


STRUCTURAL STEEL

Floor space fast, without renovation or a new building.

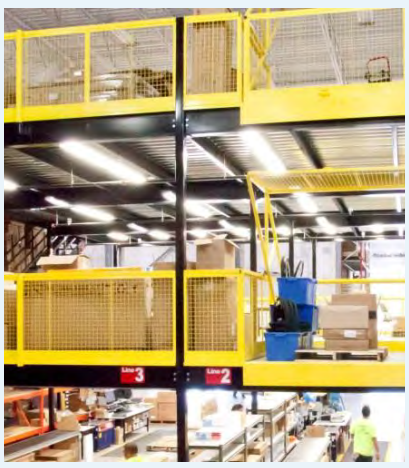
ALSO AVAILABLE

Multi-Level



CATWALKS & PLATFORMS

Walkways and work platforms above the process floor.



RAISED STORAGE

Double or triple usable floor space, no building work.



MEZZANINE FLOORING

Six deck options built for industrial wear and tear.



STAIRS, LADDERS & RAMPS

Maintenance-free mezzanine access, built to code.

ALSO AVAILABLE

Platform Ladder
Ramp



HANDRAILS & GATES

A continuous handrail design that installs fast.

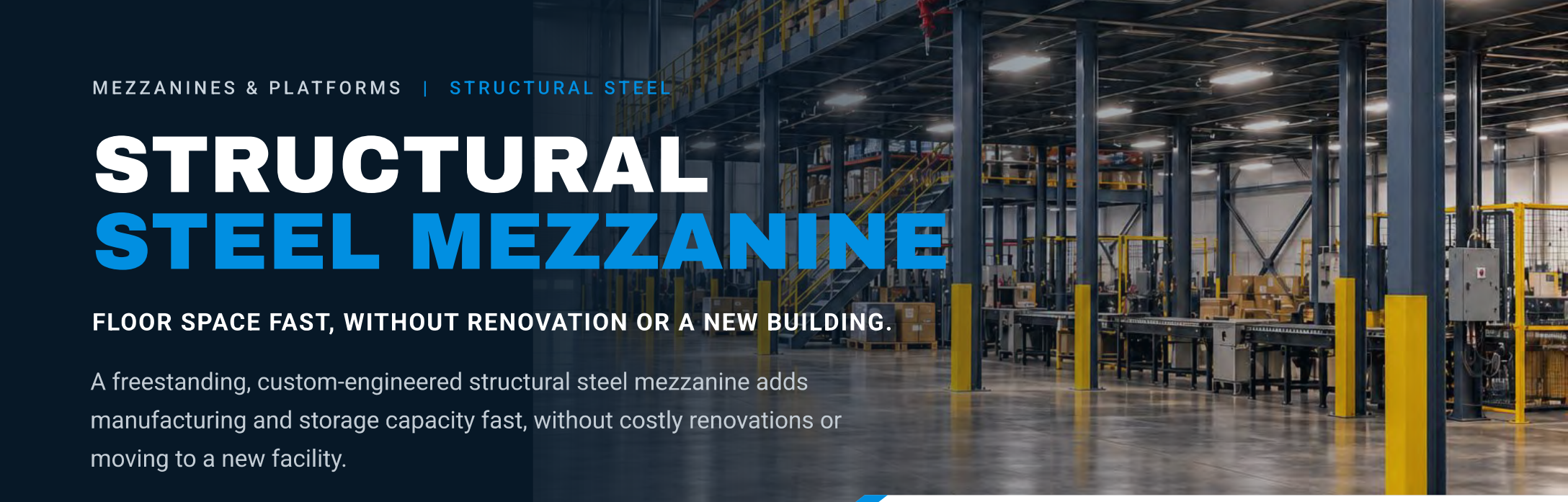
ALSO AVAILABLE

Safety Pivot Gate
Single Swing Gate

TALK TO A CONVEYABILITY ENGINEER

Conveyability carries the whole mezzanine scope, from the first layout to the final railing.

(800) 798-0410



STRUCTURAL STEEL MEZZANINE

FLOOR SPACE FAST, WITHOUT RENOVATION OR A NEW BUILDING.

A freestanding, custom-engineered structural steel mezzanine adds manufacturing and storage capacity fast, without costly renovations or moving to a new facility.

FEATURES & BENEFITS

BOLT-TOGETHER ASSEMBLY
Modular components are assembled with simple nut-and-bolt connections.

BUILT AROUND YOUR LAYOUT
Matched to the facility's exact height, area and load requirements.

MODIFY OR RELOCATE
Units can be modified, removed or consolidated as the operation changes.

125 TO 250 PSF DECKS
Uniform deck loads from 125 psf light storage to 250 psf heavy storage.



ALSO AVAILABLE



MULTI-LEVEL
Multi-level mezzanine built for high volume.

SPECIFICATIONS STANDARD CONFIGURATION

Structure	Freestanding, custom-engineered, pre-fabricated steel, designed to applicable codes
Clearance	6'-10" min. from finished floor to the lowest element
Joists	Framing channels up to 24' long, bolted L-shaped shear connector to main beams
Beams & Joists	Cold-formed, pre-punched C-sections, ASTM A1011 Gr. 55; W-section beams (ASTM A572 Gr. 50) when design requires
Columns	Square HSS, ASTM A500 Gr. 50, shop-welded base plates
Base Plates	1/2" min. thick, ASTM A36; pre-punched with four 3/4" dia. anchor holes
Bracing	Knee-bracing, X-bracing or structural knee-bracing for lateral stability
Connections	High-strength ASTM A325 structural bolts, joist to beam, beam to beam and beam to column
Guards	42" min. high, 1-1/2" square rails, posts at 72" max. centers, 6" kick plate
Rail Openings	19-1/2" max. clear opening (two-rail); 10-1/2" (three-rail)
Stairs	14" deep formed channel stringers; bolted, embossed galvanized steel plate treads
Deck	Corrugated steel deck with wood overlay; bar grating or open steel planking available
Finish	Powder-coated grey; ladders and gates safety yellow; guard rails, kick plate, steps and risers galvanized
Uniform Deck Loads	125 psf light storage, 135 psf office, 150 psf light shelving, 200 psf, 250 psf heavy storage

OPTIONS

- Bar Grating Deck
- Open Steel Plank Deck
- Two-Rail Guards
- Three-Rail Guards
- Staircases
- Ladders & Gates

COMMON APPLICATIONS

- Multi-level storage and distribution
- Online distribution centers
- In-plant offices
- Parts inventory
- Training facilities
- Retail and self-storage

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability carries the whole mezzanine scope, from the first layout to the final railing.

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CATWALKS & PLATFORMS

WALKWAYS AND WORK PLATFORMS ABOVE THE PROCESS FLOOR.

Built to work around your existing floorplan, catwalks create walkway space above major process areas, and equipment platforms give a secure surface for overhead maintenance.

FEATURES & BENEFITS

IN-PLANT CIRCULATION
Catwalks improve circulation with walkways above major process areas.

OVERHEAD MAINTENANCE
Secure work platforms for equipment that must be accessed from above.

WON'T BUCKLE OR SWAY
Important equipment is worked on from a solid surface.

CONVEYOR SUPPORT
Holds high-speed conveyors moving over 40,000 packages a day.



SPECIFICATIONS PUBLISHED FEATURES

Walkways	Walkway space above major process areas, built around the existing floorplan
Work Surface	A solid surface that won't buckle or sway while equipment is worked on
Equipment Access	Heating and cooling equipment, compressors, piping and ventilation units reached from above
High Storage Access	Warehouse racks, high shelving and attic spaces reached with ease
Conveyor Support	Support structure for high-speed conveyors moving over 40,000 packages a day
Wide Span Design	Increases visibility, functionality and safety for workers and equipment
Rail & Gates	Secure 3-rail handrail and sliding gates; connecting staircase for circulation on all sides

COMMON APPLICATIONS

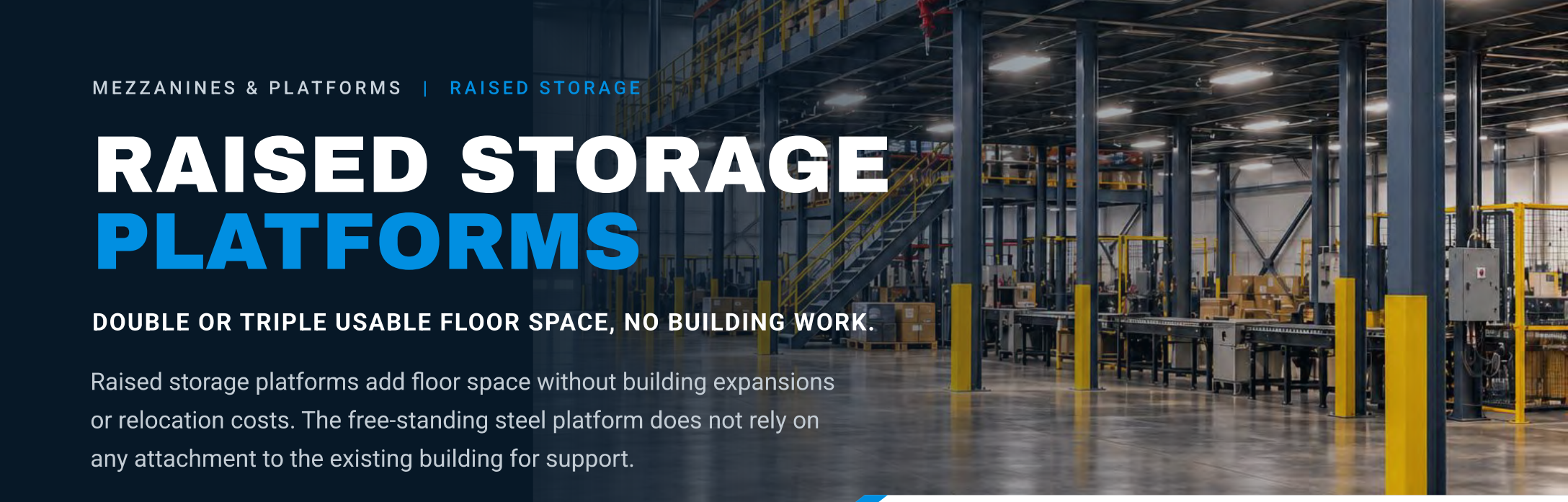
- Industrial catwalks
- Equipment platforms
- Conveyor support structures
- Train maintenance facilities
- HVAC, compressor and piping access
- Access to racks, high shelving and attics

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Conveyability carries the whole mezzanine scope, from the first layout to the final railing.

(800) 798-0410

RAISED STORAGE PLATFORMS



DOUBLE OR TRIPLE USABLE FLOOR SPACE, NO BUILDING WORK.

Raised storage platforms add floor space without building expansions or relocation costs. The free-standing steel platform does not rely on any attachment to the existing building for support.

FEATURES & BENEFITS

DOUBLE OR TRIPLE FLOOR
Double or triple usable floor space without modifying the building.

FREE-STANDING
No attachment to the existing building is needed for support.

QUICK ASSEMBLY
Pre-engineered connections throughout, so platforms assemble quickly.

RELOCATABLE
Can be disassembled and moved to another location.



SPECIFICATIONS PUBLISHED FEATURES

Engineering	Engineered and designed to suit local and national building codes
Design	Custom designs for each application; quick-ship standard sizes also available
Connections	Pre-engineered connections throughout
Finish	Tough, durable finish on all materials
Flooring	Concrete, bar grating, open steel plank, plywood, OSB, resin board and engineered deck panels
Spans	Wide spans with minimal column interference at lower levels
Storage Upstairs	Shelving, carton flow and wide span shelving can be used within the mezzanine
Pallet Jacks	Can be designed for pallet jack use on elevated floors
Levels	Double and even triple floor for lift truck and production use
Fall Protection	Safety and fall protection devices available for upper levels
Relocation	Can be disassembled and moved to another location

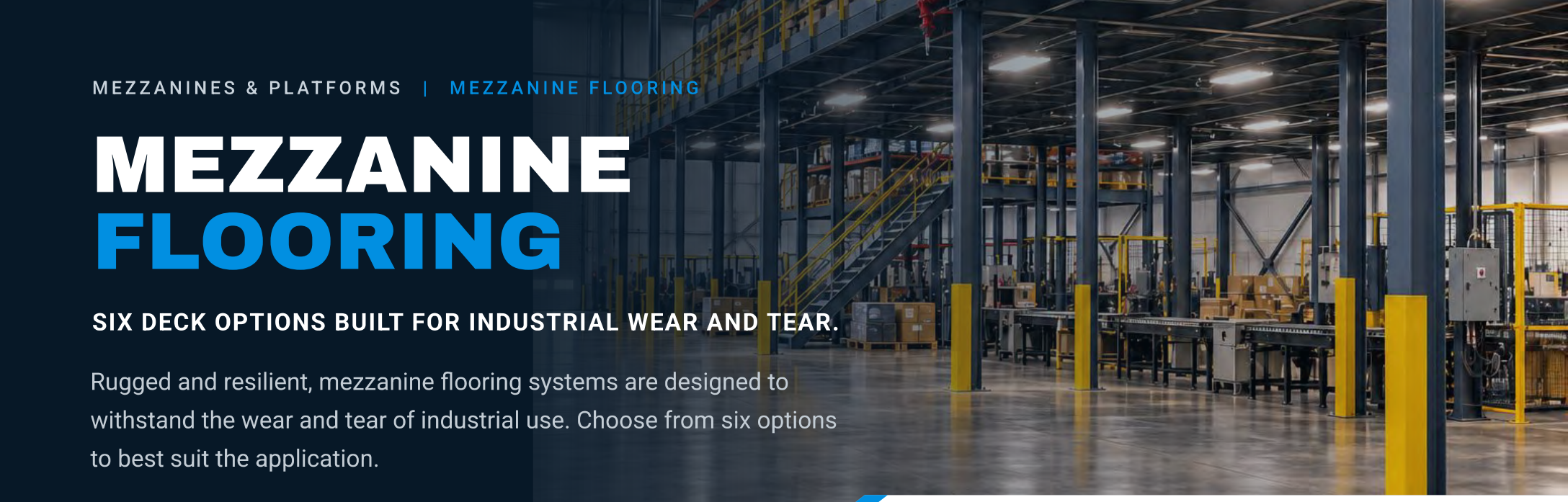
COMMON APPLICATIONS

- Storage platforms with packing stations
- Storage platforms with shelving
- Carton flow and wide span shelving above
- Pallet jack use on elevated floors

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability carries the whole mezzanine scope, from the first layout to the final railing.

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MEZZANINE FLOORING

SIX DECK OPTIONS BUILT FOR INDUSTRIAL WEAR AND TEAR.

Rugged and resilient, mezzanine flooring systems are designed to withstand the wear and tear of industrial use. Choose from six options to best suit the application.

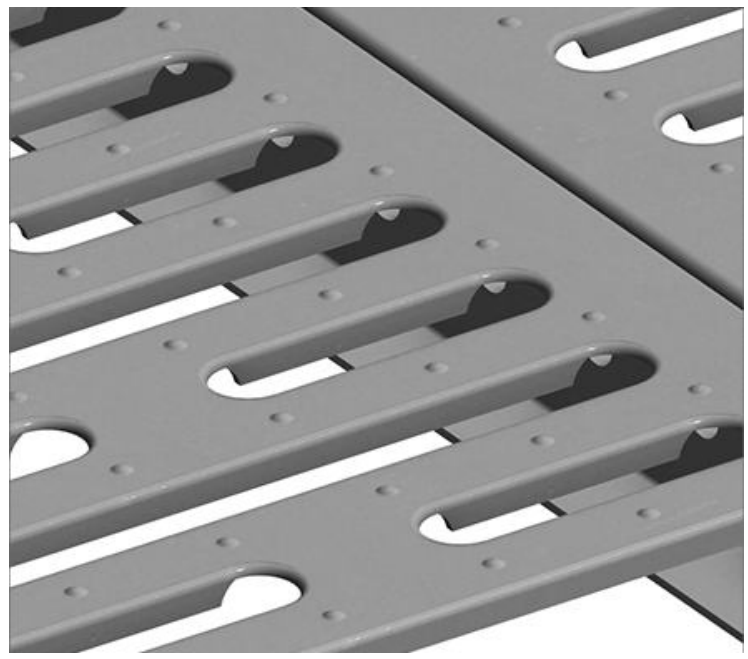
FEATURES & BENEFITS

SIX DECK OPTIONS
Resin board, corrugated, bar grating, steel planking, diamond grip or concrete.

LIGHT & SPRINKLERS
Open steel planking allows light and sprinkler penetration.

CORROSION-RESISTANT
Galvanized steel planking for extra durability and corrosion resistance.

SMOOTH ROLLING LOADS
A resin board overlay is ideal where pallet jacks roll loads.



SPECIFICATIONS STANDARD CONFIGURATION

Open Steel Planking	18 ga. galvanized steel, 144" (12') standard length; allows light and sprinkler penetration
Resin Board	4' x 8' standard sheet (32 sq. ft.); a smooth rolling surface for pallet jacks
Corrugated Decking	3'-0" standard width; 4'-0" to 16'-0" standard lengths
Open Bar Grating	3'-0" standard width; 4'-0" to 24'-0" standard lengths
Diamond Grip Flooring	6'-0", 9'-0" or 12'-0" standard widths; 12'-0" standard length
Concrete	4" thick

COMMON APPLICATIONS

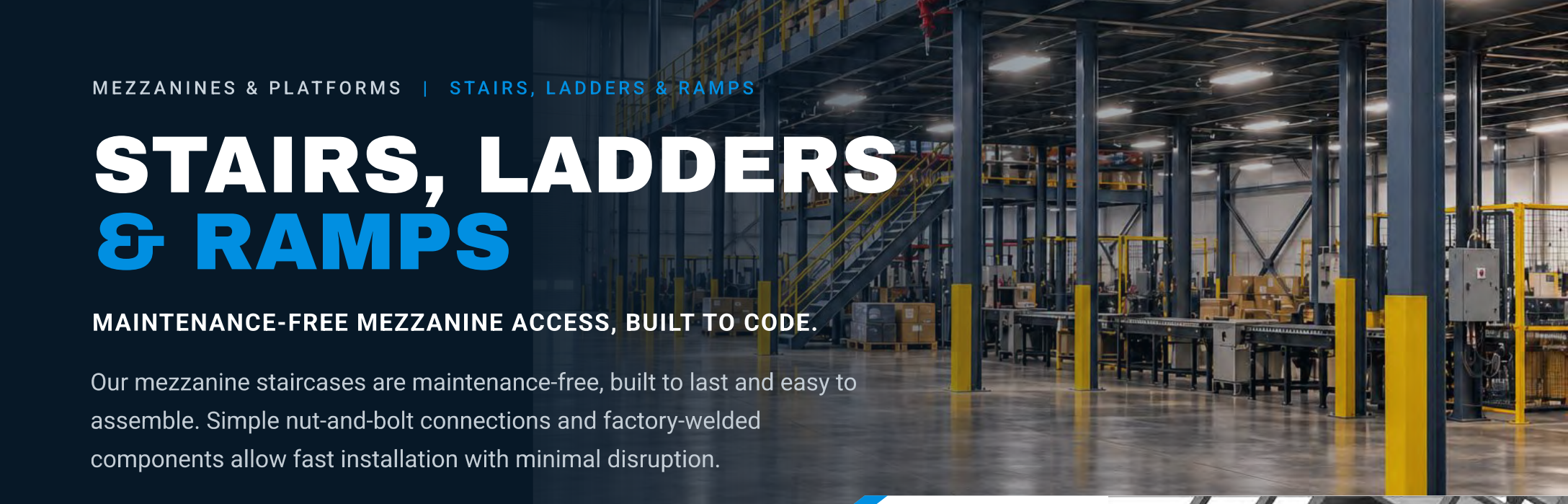
- Pallet jack and cart traffic
- Decks that need light and sprinkler penetration
- Industrial storage decks

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability carries the whole mezzanine scope, from the first layout to the final railing.

(800) 798-0410

STAIRS, LADDERS & RAMPS



MAINTENANCE-FREE MEZZANINE ACCESS, BUILT TO CODE.

Our mezzanine staircases are maintenance-free, built to last and easy to assemble. Simple nut-and-bolt connections and factory-welded components allow fast installation with minimal disruption.



FEATURES & BENEFITS

BOLT-TOGETHER
Nut-and-bolt connections and factory-welded parts install fast.

BUILT TO CODE
Staircases are designed to meet IBC and NBCC safety standards.

ANTI-SLIP TREADS
Galvanized anti-slip treads give extra grip for safe access.

RAMPS FOR EQUIPMENT
15°, 17° or 19° ramps for moving equipment and products up.

ALSO AVAILABLE



PLATFORM LADDER
24" wide, safety yellow, cage optional.



RAMP
15°, 17° or 19° incline.

SPECIFICATIONS STANDARD CONFIGURATION

Maximum Rise	12' per flight; staircases above 12' require a mid-landing by code
Stair Widths	36", 45" or 60" standard
Treads	Galvanized anti-slip bar grating or dimple treads
Stringers	14" deep formed channel of structural grade steel, pre-punched for bolted treads
Configurations	Straight, L-shape and U-shape; staircase tower and double staircase
Landings	Depth no less than stair width, formed nosing to the deck; sold separately
Code	Designed to meet IBC and National Building Code of Canada (NBCC) safety standards
Stair Finish	Powder-coated grey or blue
Ladders	24" wide, powder-coated safety yellow; optional welded safety cage
Stair Gates	Self-closing, adjustable 24" to 60" and 33" to 48"
Ladder Gates	Self-closing, adjustable 24" to 36" for 24" ladders
Ramp	15°, 17° or 19° incline

OPTIONS

- Mid-Landing
- Staircase Tower
- Double Staircase
- Safety Cage
- Self-Closing Gate

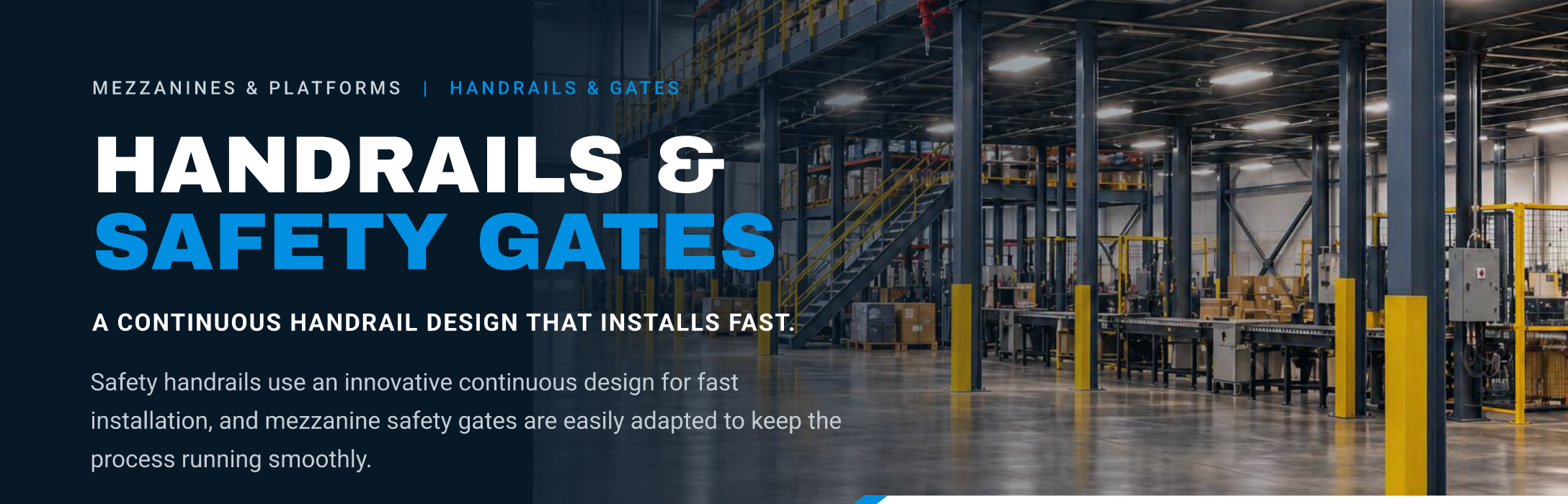
COMMON APPLICATIONS

- Mezzanine access
- Straight, L- and U-shape stair runs
- Space-saving ladder access
- Moving equipment and product by ramp

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HANDRAILS & SAFETY GATES

A CONTINUOUS HANDRAIL DESIGN THAT INSTALLS FAST.

Safety handrails use an innovative continuous design for fast installation, and mezzanine safety gates are easily adapted to keep the process running smoothly.

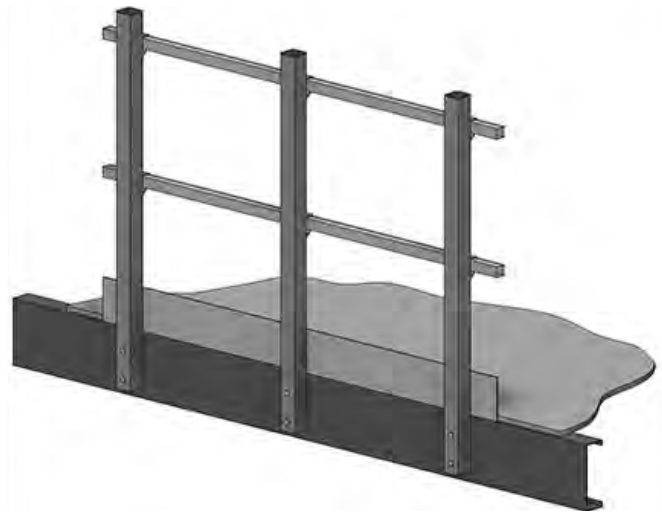
FEATURES & BENEFITS

FAST INSTALL
Rails are cut to size and attached without welding.

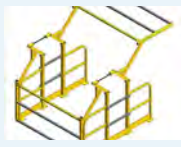
42" STANDARD HEIGHT
2-rail, 3-rail and wire mesh handrails, all 42" high.

FIVE GATE STYLES
Single swing, double swing, sliding, lift-out and safety pivot gates.

PIVOT GATE PROTECTION
Opens on one side while closed on the other, guarding against falls.



ALSO AVAILABLE



SAFETY PIVOT GATE
Opens one side while the other stays closed.



SINGLE SWING GATE
2-rail, 3-rail or wire mesh to match rail.

SPECIFICATIONS STANDARD CONFIGURATION

Height	42" standard: 2-rail, 3-rail and wire mesh handrails
Posts	2-1/2" x 2-1/2" x 14 ga. steel tube, 72" max. centers
Rails	1-1/2" x 1-1/2" x 16 ga. steel tube, fastened with zinc-plated clips
Installation	Rails cut to size and attached without welding
Rail Openings	19-1/2" max. clear opening (2-rail); 10-1/2" (3-rail)
Single Swing Gate	2'-6", 3'-0", 3'-6" or 4'-0" openings; 2-rail, 3-rail or wire mesh; padlock hasp included
Double Swing Gate	5'-0", 6'-0", 7'-0" or 8'-0" openings
Sliding Gate	5'-0" to 12'-0" openings
Lift-Out Gate	4'-0" or 5'-0" openings
Safety Pivot Gate	5' to 7' and up to 13' wide, twelve standard sizes
Gate Finish	Powder-coated safety yellow on all standard gates

OPTIONS

- 3-Rail Handrail
- Wire Mesh Handrail
- Double Swing Gate
- Sliding Gate
- Lift-Out Gate

COMMON APPLICATIONS

- Mezzanine perimeters
- Light-duty edge protection
- Busy loading zones
- Stair and ladder openings

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability carries the whole mezzanine scope, from the first layout to the final railing.

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Conveyor & storage systems integrator — Grand Rapids, MI

Conveyability
CONVEYOR AND STORAGE SYSTEMS

CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

PALLET RACKING.

PALLET RACKING SYSTEMS AND LAYOUT.

Get the pallet count you need without the picks slowing down.

Rack that maximizes pallets per square foot can quietly strangle picking and replenishment. Conveyability is an authorized supplier for many of the world's well-respected rack companies, and every system we sell comes with a detailed engineered layout, so product lands where picking and replenishment can actually reach it.

- PALLET FLOW
- PUSH-BACK
- CANTILEVER
- SELECTIVE PALLET RACK
- CARTON FLOW
- PICK MODULES
- DRIVE-IN & DOUBLE-DEEP

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime

RACK & PICK MODULES

RACK & PICK SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

A pick module is rack, carton flow, conveyor and controls working as one machine. Conveyability supplies and integrates all of it.

- PALLET FLOW
- CARTON FLOW
- PUSH-BACK
- PICK MODULES
- CANTILEVER
- DRIVE-IN & DOUBLE-DEEP
- SELECTIVE PALLET RACK

WHAT THEY SOLVE:

PICKS SLOWED BY DENSE STORAGE

An engineered layout comes with every rack system, placing product where picking can reach it.

STOCK THAT MUST ROTATE FIFO

Pallet flow and carton flow rotate stock first in, first out; pallet flow is rated to 4,500 lbs.

NOT ENOUGH PALLET POSITIONS

Push back, drive-in and double-deep lead on density where pallets are alike.

LONG, BULKY, AWKWARD LOADS

Open-front cantilever rack stores long and odd-shaped materials at high density.

REPLENISHMENT FIGHTING PICKS

Carton flow separates picking and stocking aisles for full-carton and split-case work.

RACK AND CONVEYOR DESIGNED APART

Takeaway conveyor, replenishment path and storage levels get designed together.

COMMON INDUSTRIES

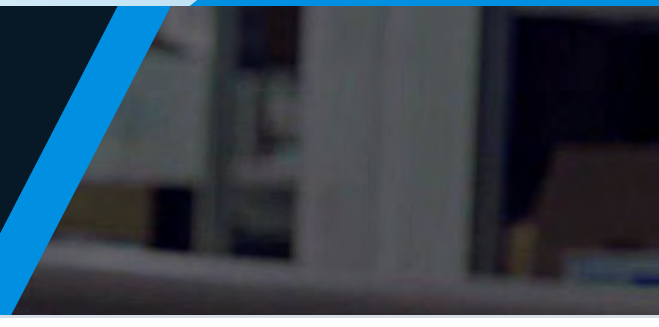
- Ecommerce & Fulfillment
- Warehousing & Logistics
- Distribution & Sortation

OTHER INDUSTRIES WE SERVE

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YOUR FIRST CALL FOR END-TO-END CONVEYOR SOLUTIONS

(800) 798-0410



RACK & PICK TYPES

Density, selectivity and pick speed pull against each other. The rack type is where you choose.



PALLET FLOW

First in, first out, with no task interference.

ALSO AVAILABLE

Deep-Lane Pallet Flow

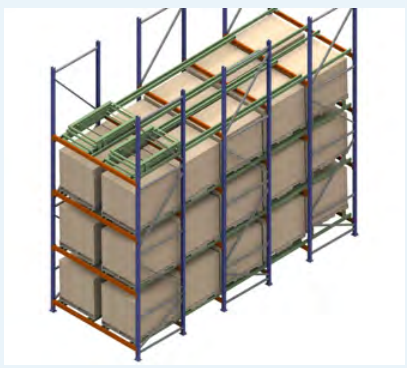


CARTON FLOW

Separate replenishment from picking.

ALSO AVAILABLE

Carton Flow Rack



PUSH-BACK

Same-aisle loading, 2 to 5 pallets deep.

ALSO AVAILABLE

Nested Carts



PICK MODULES

Rack, flow and conveyor as one picking system.

ALSO AVAILABLE

Shelving-Based



CANTILEVER

Long, bulky loads, front-loaded without obstruction.

ALSO AVAILABLE

Adjustable-Arm Rack



DRIVE-IN & DOUBLE-DEEP

Maximum density for high volumes of alike pallets.

ALSO AVAILABLE

Drive-In / Drive-Thru



SELECTIVE PALLET RACK

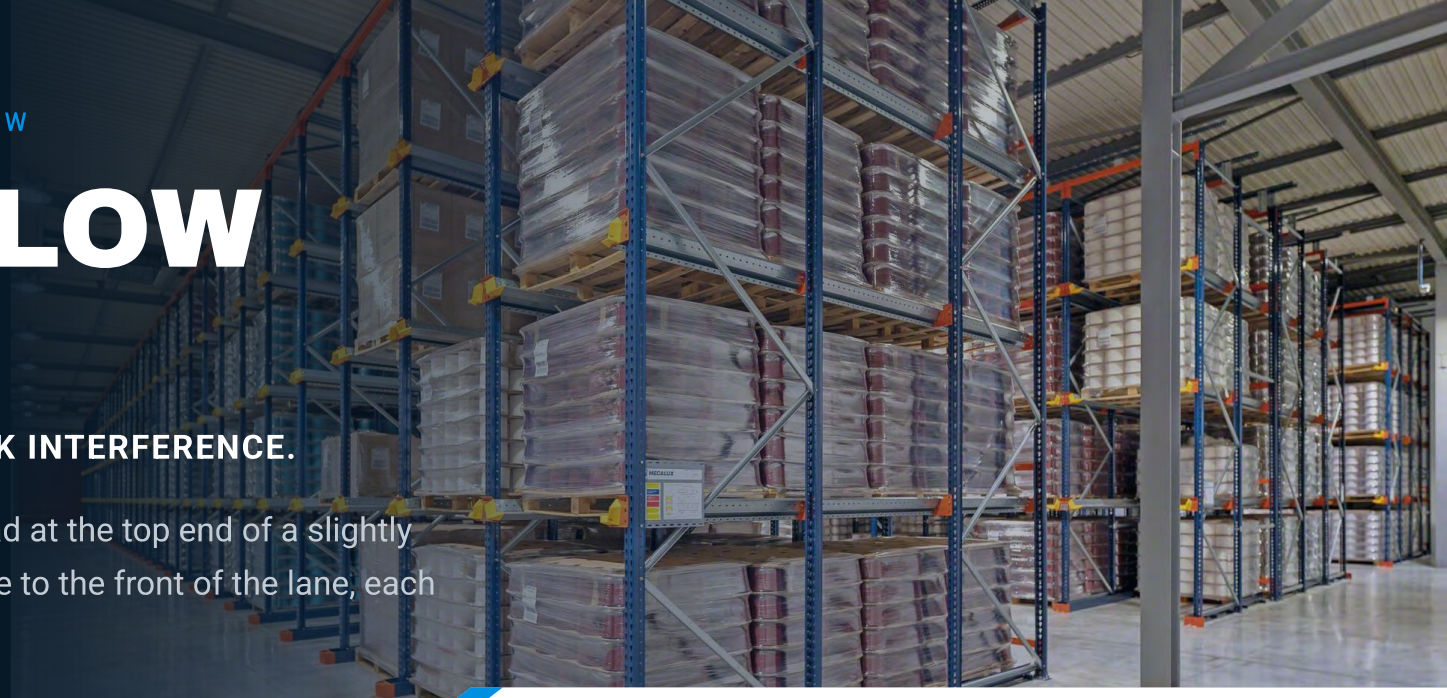
Direct, individual access to every pallet.

TALK TO A CONVEYABILITY ENGINEER

Conveyability designs the layout, supplies the rack and carries the install, with the conveyor and picking around it.

(800) 798-0410

PALLET FLOW RACKS



FIRST IN, FIRST OUT, WITH NO TASK INTERFERENCE.

In this first-in, first-out system, pallets load at the top end of a slightly inclined rack and glide at a controlled rate to the front of the lane, each lane holding a different SKU.

FEATURES & BENEFITS

STRICT FIFO ROTATION
Optimum rotation of products with expiration dates.

NEAR-SOLID STORAGE
An almost solid volume of usable storage space.

UP TO 4,500 LBS.
The pallet flow rack we supply is rated for loads up to 4,500 pounds.

SPACE & LABOR SAVINGS
Space, manpower and utilities savings, with loading kept apart from picking.



ALSO AVAILABLE



DEEP-LANE PALLET FLOW
Deep lanes where strict FIFO is required.

SPECIFICATIONS STANDARD CONFIGURATION

Depth	Up to four pallets deep in standard arrangements
Lanes	Roller track on a sloped lane, entry side to picking side; one SKU per lane
Load Rating	Up to 4,500 lbs.
Supporting Structure	Welded or bolted, using standard pallet rack components
Single Flow Wheels	Heavy-duty, for concentrated loads; 2" to 6.5" o.c. spacing in .5" increments
Staggered Flow Wheels	Heavy-duty, for heavier loads and irregular pallets; 1.5" to 6.5" o.c. in .5" increments
Ramp Stops	Steel ramps slope up at the exit; bolted flush with the frame or extending into the aisle
Anti-Backup Device	Works with the slope to keep the load from moving backwards on the rail
Rail Attachment	Clips connect the flow rail to the front and rear beams
Components	Frame, beam, foot plate, horizontal and diagonal struts, shim, flow rail, flow wheels, ramp stop

OPTIONS

- Single Flow Wheels
- Staggered Flow Wheels
- Bolted Ramp Stops
- Anti-Backup Device

COMMON APPLICATIONS

- Perishable product warehouses
- Buffers between two work areas
- High-turnaround shipping areas
- Holding prepared orders and sort channels

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

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CARTON FLOW RACKING



SEPARATE REPLENISHMENT FROM PICKING.

Carton flow separates replenishment from picking activity, eliminating contention, and can be integrated with standard pallet rack, allowing replenishment storage above.

FEATURES & BENEFITS

PICK RATES UP TO 30%
Increases pick rates by up to 30% versus static storage.

INSTALLS WITHOUT TOOLS
Full-width track adds to new or existing pallet rack, no shelves needed.

REPLENISHMENT ABOVE
Integrates with standard pallet rack, with replenishment storage above.

ERGONOMIC PICKING
A more ergonomically safe process for full case and split case picking.



ALSO AVAILABLE



CARTON FLOW RACK
Wheel tracks bring stock to the picker.

SPECIFICATIONS STANDARD CONFIGURATION

Track Type	Full-width roller carton flow track
Capacity	Up to 50 lbs. per lineal ft.
Rollers	3/4" dia. tempered aluminum, full width
Axles	3/16" dia. steel, full length
Support Channels	Galvanized steel
Track Widths	6", 9", 12" or 15"
Mounting	Adds to any new or existing pallet rack; no shelves or intermediate supports required
Installation	Installs without tools
Tracking	Lane tracking and restarting without sticking, even when cartons sit for long periods
Stand-Alone Bay	Uprights, beams and flow track; a complete bay assembles in about 1 hour, no tools

OPTIONS

Pick-to-Light | Tilt Tray | Stand-Alone Flow Frames

COMMON APPLICATIONS

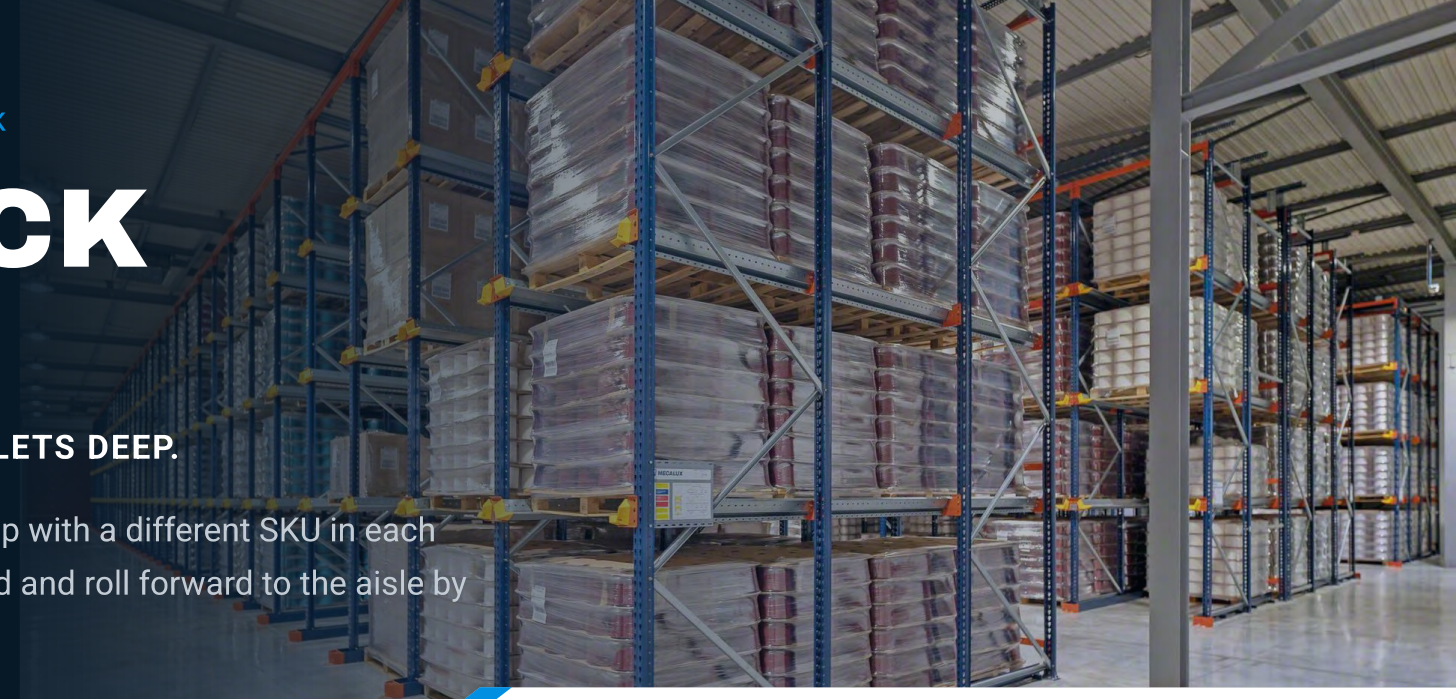
- Full case and split case picking
- Pick faces under pallet rack storage
- Pick modules
- Paperless pick-to-light picking

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PUSH-BACK RACKING



SAME-AISLE LOADING, 2 TO 5 PALLETS DEEP.

Nesting carts store up to five pallets deep with a different SKU in each lane. Pallets push back as each is loaded and roll forward to the aisle by gravity when unloading.

FEATURES & BENEFITS

HIGH DENSITY
2 to 5 pallets deep, with a different SKU in each lane.

SAME-AISLE ACCESS
Load and unload from one aisle; pallets roll forward by gravity.

COLD-STORE READY
Carts are built to work from -22 °F to 104 °F.

MIXED PALLET BOTTOMS
Free-rolling carriages shrug off mixed pallet bottoms.



ALSO AVAILABLE



NESTED CARTS
Nested rolling carts on a sloped lane.

SPECIFICATIONS STANDARD CONFIGURATION

Depth	2 to 5 pallets deep on each level
Rails & Carts	2 deep: 2 rails, 1 cart; 3, 4 or 5 deep: 4 rails with 2, 3 or 4 carts
Temperature	Carts work from -22 °F to 104 °F
Frames	Uprights slotted every 2"; standard depths 36", 42" and 48"
Beams	48", 96" and 144" standard; custom sizes for other pallet dimensions
Tracks	C3 x 3.5 structural channels with welded slotted plates on the lower flanges
Rail Length	102" (2 deep), 152" (3 deep), 200" (4 deep), 255" (5 deep), for 48" pallets
Load Clearance	3" min. between loads and any other rack element
Cart Cover	Optional full cart cover, factory-welded 14 ga. (0.075") top plate
Floor Level Carts	Available for systems with 2, 3 and 4 carts
Forklift	Should push 4% of the total pallet weight moved, excluding the pallet on the forks
Standards	Engineered to 2023 RMI design standards, recognized by ANSI, referenced in the IBC

OPTIONS

- Full Cart Cover
- Floor Level Carts
- Custom Beam Lengths

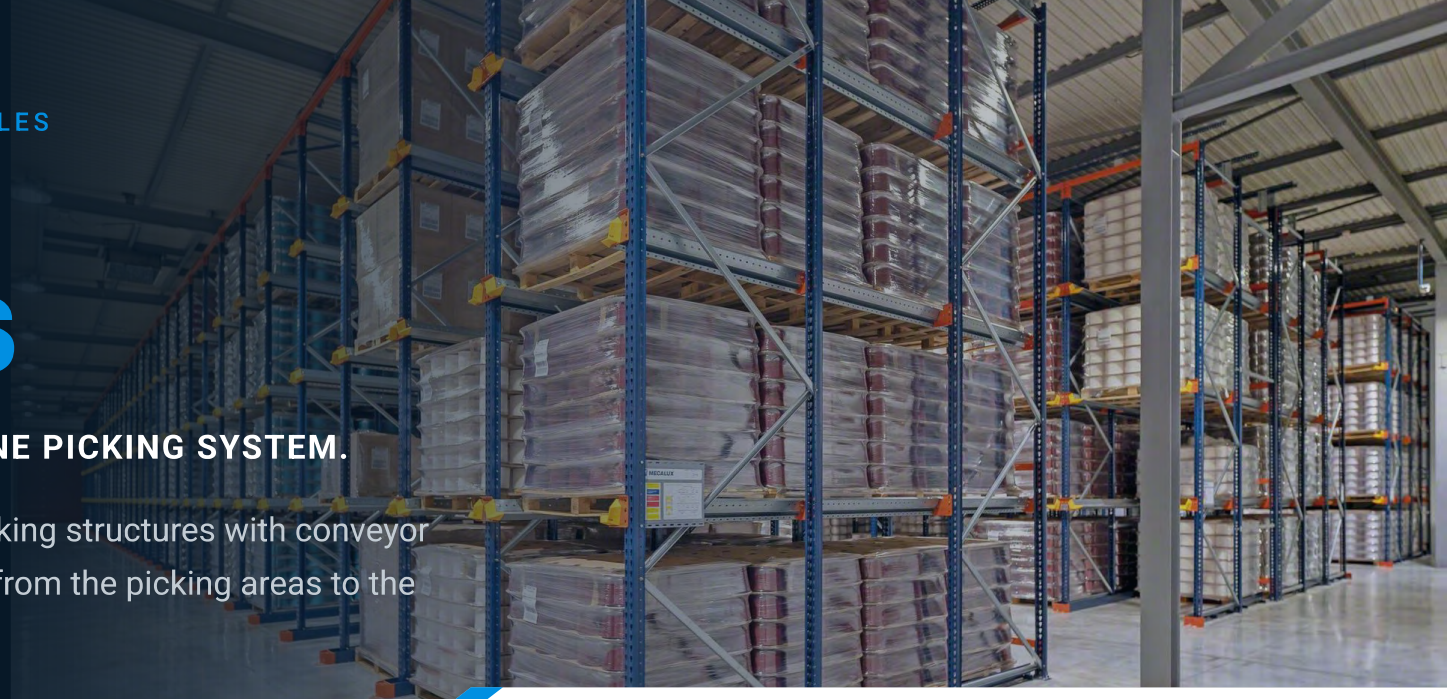
COMMON APPLICATIONS

- Medium-turnover products
- Batch storage
- Cold stores
- Buffer for picked orders

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability designs the layout, supplies the rack and carries the install, with the conveyor and picking around it.

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PICK MODULES

RACK, FLOW AND CONVEYOR AS ONE PICKING SYSTEM.

Pick modules are typically multi-level racking structures with conveyor running through them to move products from the picking areas to the shipping areas.

FEATURES & BENEFITS

2, 3 OR 4 LEVELS
Multi-level structures built to suit the operation's requirements.

ONE PICKING ENGINE
Rack, flow and conveyor combined into one picking system.

CASE & PIECE PICKING
Ideal for high throughput case and piece pick operations.

SECURE STORAGE
Security panels for high value items or controlled product.



ALSO AVAILABLE



SHELVING-BASED
Small parts storage and piece picking.

SPECIFICATIONS PUBLISHED FEATURES

Throughput	Ideal for high throughput case and piece pick operations
Sub-Components	Pallet flow, carton flow, various forms of shelving and conveyor
Levels	2, 3 and 4 level systems to suit the customer's requirements
Codes	Engineered to meet national and local building codes
Customization	Often customized per facility, since storage and picking needs differ greatly
Shelving-Based	High SKU counts, small parts storage and piece picking; security panels available
Pallet Flow Picking	Multi-level: the hand-picking aisle is fed from separate loading aisles
Combined Picking	Pallet flow combined with carton flow and push-back picking
Flow Channels	Carton flow levels with slightly inclined rollers at the bottom of pallet racking

OPTIONS

Pallet Flow | Carton Flow | Push-Back Picking | Shelving | Security Panels | Takeaway Conveyor

COMMON APPLICATIONS

- High throughput case and piece picking
- High-SKU small parts picking
- Order selection with takeaway to shipping
- Controlled or high value product storage

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CANTILEVER RACKING



LONG, BULKY LOADS, FRONT-LOADED WITHOUT OBSTRUCTION.

Structural cantilever racking handles medium- to extra heavy-duty loads. Ideal for short, long or awkwardly shaped items, its arm system is designed for easy front loading without obstruction.

FEATURES & BENEFITS

UP TO EXTRA HEAVY-DUTY
Medium- to extra heavy-duty loads on structural steel components.

OPEN-FRONT LOADING
The arm system allows easy front loading without obstruction.

ADJUSTABLE ARMS
Arms adjust vertically 3" or 4", depending on the column.

INDOOR OR OUTDOOR
Polyurethane paint on columns and bases for outdoor use.



ALSO AVAILABLE



ADJUSTABLE-ARM RACK
Single- or double-sided, adjustable arms.

SPECIFICATIONS STANDARD CONFIGURATION

4" Columns	4" structural I-beam upright, 3" vertical arm adjustment; medium- to heavy-duty loads
5" Columns	5" structural I-beam upright, 4" vertical arm adjustment; medium to extra heavy-duty loads
Arm Lengths	12" to 60" in 6" steps, plus 72", 78", 84", 90" and 96"
Arm Plates	1/2" or 5/8" thick, four 13/16" or 1/2" dia. holes; 3" to 6" bolt spacing
Arm Incline	Straight arms 1-1/2° min. from horizontal; inclined arms 3°
Roof Arms	Usually exceed the rack arm length by at least 6"
Bases	Typically the arm length; never less than 1/7 of column height
Arm Stoppers	Removable 1-1/4" square galvanized tube in a bolted sleeve, 6" or 12" high
Base Stoppers	Removable 7/8" dia. solid bar in a receiver welded to the base flange
Steel	Arms, columns and bases: structural sections, ASTM A572 Gr. 50; plates ASTM A36
Braces	Structural angles and flat bar, ASTM A36
Connections	High-strength ASTM A325 structural bolts
Finish	Powder coat for indoor use; polyurethane liquid paint on columns and bases outdoors
Configurations	Single- or double-sided units; straight or inclined arms

OPTIONS

- Inclined Arms
- Arm Stopper Pins
- Base Stopper Pins
- Roof Arms
- L-Shed / T-Shed
- VNA Guide Rail
- Mobile Bases
- Double-Sided

COMMON APPLICATIONS

- Indoor storage
- Very narrow aisle (VNA) storage
- Mobile (motorized) cantilever
- Lumberyards
- Four-season covered storage
- Construction materials

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DRIVE-IN & DOUBLE-DEEP



MAXIMUM DENSITY FOR HIGH VOLUMES OF ALIKE PALLETS.

Drive-in and drive-through pallet racks store product multiple pallets deep, with handling equipment entering the structure, for high-density storage where selectivity matters less.

FEATURES & BENEFITS

UP TO 75% MORE PALLETS
Stores up to 75% more pallets than standard pallet rack.

LIFO OR FIFO
Drive-in works last in, first out; drive-through, first in, first out.

COLD STORAGE
Suited to cold storage warehouses and buffer warehouses.

DOUBLE-DEEP OPTION
One pallet behind the other, handled with telescopic forks.



ALSO AVAILABLE



DRIVE-IN / DRIVE-THRU
Highest density, lowest selectivity.

SPECIFICATIONS STANDARD CONFIGURATION

Capacity Gain	Up to 75% more pallets than standard pallet rack
Example	Same 2,814.96 sq. ft.: 306 pallets per level selective vs. 522 drive-in
Configurations	Drive-in: one entry and exit, LIFO; drive-through: load one side, unload the other, FIFO
Upright Frames	Posts slotted every 2"
Roll-Formed Rails	Most standard, cost-effective bolted option; pre-drilled every 2"
C Rails	Flat top for varied pallet sizes in one lane; drilled every 1"; up to 461" (38'-5") long
Welded System Rails	Formed channel, 3" x 3" or 1.625" x 3"
Guide Rails	Optional, 2" or 4" high; guide forklifts and prevent collisions with the rack
Level Height	Pallet height + 8" to 10" (roll-formed rails); + 10" to 12" (C and channel rails)
Lane Depth	Sum of pallet depths, including overhang, plus at least 1" per unit load
Forklift Clearance	At least 3" each side between the forklift and the uprights
Forklift Reach	Counterbalanced forklifts to about 25'; reach trucks beyond 40'
Double-Deep	One pallet behind the other; forklifts need telescopic forks
Standards	Engineered to 2023 RMI design standards, recognized by ANSI, referenced in the IBC

OPTIONS

Drive-Through | Guide Rails | C Rails | Double-Deep | Pallet Shuttle

COMMON APPLICATIONS

- Largely homogeneous goods
- Logistics centers in large cities
- Cold storage warehouses
- Buffer warehouses

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Conveyability designs the layout, supplies the rack and carries the install, with the conveyor and picking around it.

(800) 798-0410

SELECTIVE PALLET RACKING



DIRECT, INDIVIDUAL ACCESS TO EVERY PALLET.

Pallet racks are a popular, versatile racking solution, ideal for warehouses storing a wide array of SKUs. Their layout creates a series of aisles with direct, individual access to all pallets.

FEATURES & BENEFITS

DIRECT ACCESS
Direct, individual access to every pallet for precise stock control.

WIDE SKU MIX
Ideal for warehouses storing a wide array of SKUs.

LOCKED BEAMS
Spring-loaded locks keep beams from accidental dislodgement.

R-MARK CERTIFIED
Certified to ANSI MH16.1:2023 for cold-formed steel racks.



SPECIFICATIONS STANDARD CONFIGURATION

Rack Heights	4' to 40' typical; up to 148' for automated systems
Frame Depth	42" typical for a 48" deep pallet
Beam Lengths	48", 96" or 144" for 40" wide pallets, by pallets per level
Upright Frames	Posts slotted every 2" with teardrop-shaped holes
Beams	Roll-formed, welded endplates, secured by two spring-loaded locking devices
Beam Lock	Integrated in the endplate; prevents accidental dislodgement
Shelf Panels	6" or 12" widths, fit inside the 1-5/8" beam step
Fork Clearance Bars	Raise the load 2.5" above the beam level
Corrosion Protection	Cataphoresis coating on upright posts
Finish	Baked enamel and powder coating
Certification	R-Mark certified for cold-formed steel racks, ANSI MH16.1:2023
Standards	Engineered to 2023 RMI design standards, recognized by ANSI, referenced in the IBC
Warranty	12 months on storage rack goods against defects in workmanship and materials

OPTIONS

- Shelf Panels
- Fork Clearance Bars
- Wire Mesh Decks
- Picking Shelves
- Narrow Aisle Layout

COMMON APPLICATIONS

- Warehouses with a wide variety of SKUs
- Multi-client facilities
- Warehouses big and small
- Storage of non-palletized goods

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(800) 798-0410

TALK TO A CONVEYABILITY ENGINEER

READY TO LAUNCH A NEW LINE OR FIND MORE CAPACITY IN YOUR FACILITY?

Move Smarter, Produce More.

Conveyability engineers and integrates conveyor and material handling systems that reduce downtime, improve flow, maximize floor space and support the way your operation actually works.

Call (800) 798-0410

Request a Plant Evaluation →

CALL

(800) 798-0410
Mon – Fri 8AM – 5PM ET

EMAIL

info@conveyability.com
conveyability.com/contact

COME SEE THE SHOP

2889 Northridge Drive NW
Grand Rapids, MI 49544

24-HOUR SERVICE

Emergency service when the line is down.

Conveyability
CONVEYOR AND STORAGE SYSTEMS

Conveyor & storage systems integrator — Grand Rapids, MI

Conveyability
CONVEYOR AND STORAGE SYSTEMS

CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

SHELVING SYSTEMS.

INDUSTRIAL SHELVING SYSTEMS AND LAYOUT.

Store more in the same footprint without slowing down the pick.

Every mis-sized shelf gets paid for daily in wasted cube and slow picks. Conveyability supplies heavy-duty, rigid-construction shelving with adjustable shelves across manufacturing, distribution, warehousing, automotive, healthcare and medical operations, custom-designed for the space and the loads it has to carry.

- STEEL SHELVING
- MULTI-TIER & CUSTOM
- DRAWERS & ACCESSORIES
- WIDE SPAN
- MOBILE RACKING

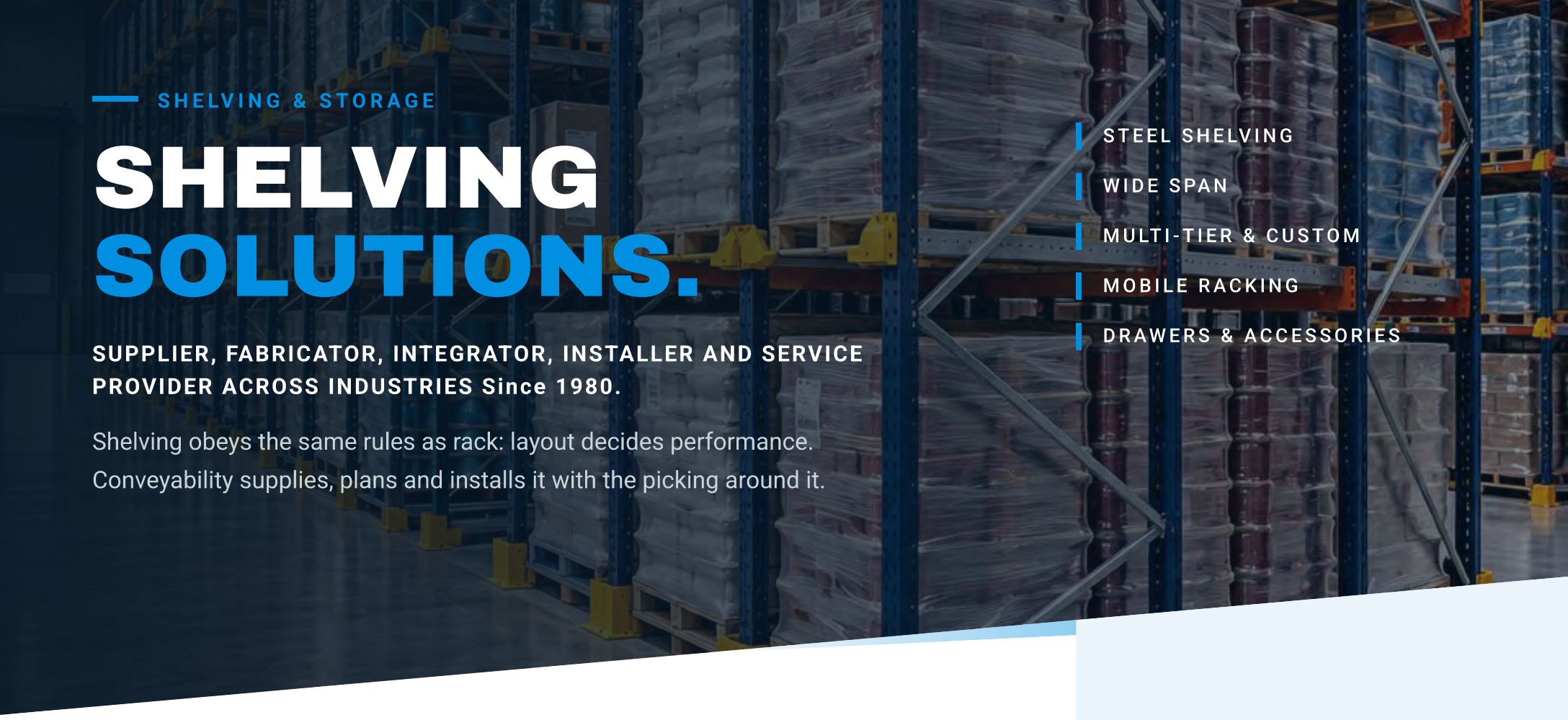
ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime



SHELVING & STORAGE

SHELVING SOLUTIONS.

- STEEL SHELVING
- WIDE SPAN
- MULTI-TIER & CUSTOM
- MOBILE RACKING
- DRAWERS & ACCESSORIES

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

Shelving obeys the same rules as rack: layout decides performance. Conveyability supplies, plans and installs it with the picking around it.

WHAT THEY SOLVE:

WASTED CUBE AND SLOW PICKS

Shelving is custom-designed for the space and the loads it has to carry.

INVENTORY THAT KEEPS CHANGING

Adjustable shelves let a bay that holds cartons this year hold bins and tooling next year.

TOOLING AND HIGH-VALUE PARTS

Locking drawers and doors keep tooling, records and parts controlled without slowing access.

NO ROOM FOR MORE ROWS

Mobile systems park rows together and open only the aisle in use.

SMALL-PARTS SCAVENGER HUNTS

Drawers, dividers and bin fronts organize small parts so picking stops being a hunt.

A MAZE OF SHELVES

Shelving is laid out with the pick paths, replenishment and conveyor around it.

COMMON INDUSTRIES

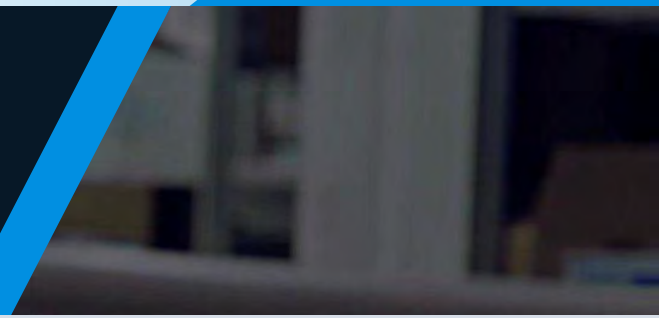
- Warehousing & Logistics
- Ecommerce & Fulfillment
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YOUR FIRST CALL FOR END-TO-END CONVEYOR SOLUTIONS

(800) 798-0410



SHELVING & STORAGE

SHELVING TYPES

Three outcomes the shelving family gets chosen for: high density, secured storage and faster picking.



STEEL SHELVING

Rigid steel shelving with fewer parts and tools.



WIDE SPAN

Hand-stacked storage for many different products.

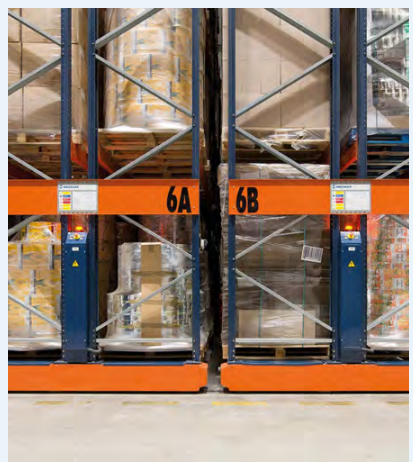


MULTI-TIER & CUSTOM

Build upward instead of expanding the building.

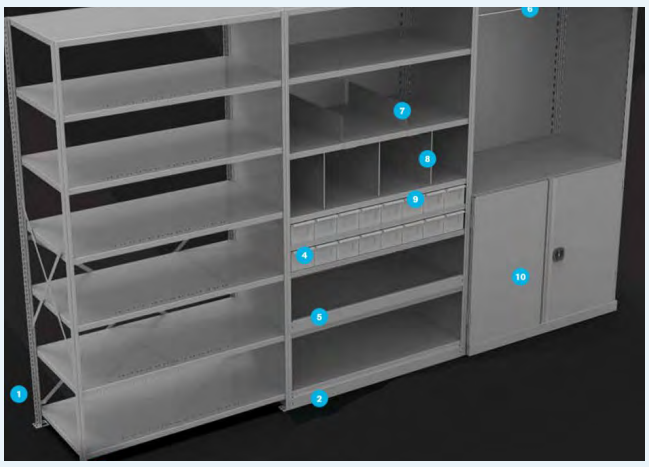
ALSO AVAILABLE

Custom Shelving



MOBILE RACKING

One working aisle instead of many fixed aisles.



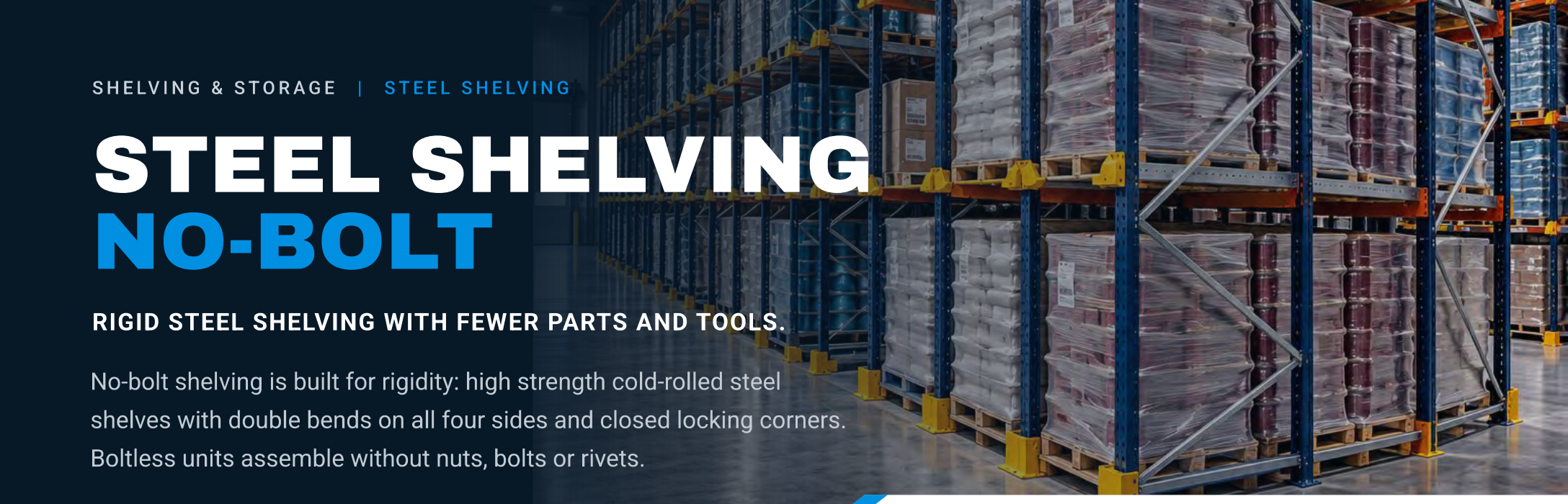
DRAWERS & ACCESSORIES

Turn open shelving into parts storage and cabinets.

TALK TO A CONVEYABILITY ENGINEER

Conveyability lays out shelving with the pick paths, replenishment and conveyor around it, then supplies and installs it.

(800) 798-0410



STEEL SHELVING NO-BOLT

RIGID STEEL SHELVING WITH FEWER PARTS AND TOOLS.

No-bolt shelving is built for rigidity: high strength cold-rolled steel shelves with double bends on all four sides and closed locking corners. Boltless units assemble without nuts, bolts or rivets.

FEATURES & BENEFITS

DOUBLE-BENT SHELVES
Double bends on all four sides with closed locking corners.

2" ADJUSTMENT
Slotted tee posts adjust on 2" centers; clips allow quick changes.

FEWER PARTS & TOOLS
Fewer small pieces and tools in assembly; boltless needs no special tools.

READY FOR DIVIDERS
Every shelf is pre-punched for bin dividers.



SPECIFICATIONS STANDARD CONFIGURATION

Steel	18 or 20 ga. cold-rolled steel
Shelves	Double-folded closed corners; 1-3/16" flange on four sides plus a return bend
Locking	Two-way locking principle at each corner
Heavy Loads	Reinforcing bars embedded in the front and rear of the shelf
Tee Posts	Rolled double-thickness steel, spot welded; slotted on 2" centers
Shelf Clips	Four compression-style clips per shelf
Shelf Widths	36", 42" and 48" typical
Bin Dividers	All shelves pre-punched
Finish	Baked enamel
12" Deep Units	36"W x 76", 88" or 100"H; open or closed; 4, 5 or 6 levels
15" Deep Units	42"W x 76", 88" or 100"H; open; 4, 5 or 6 levels
18" Deep Units	42"W x 76", 88" or 100"H; open or closed; 4, 5 or 6 levels
24" Deep Units	48"W x 76" or 100"H; open; 4, 5 or 6 levels
Boltless Shelving	Interlocking assembly without nuts, bolts or rivets; heavy duty with particle board shelves

OPTIONS

- Closed Units
- Combined Units
- Particle Board Shelves
- Bin Dividers

COMMON APPLICATIONS

- Medium case and piece picking
- Hand-loaded and hand-stack storage
- Record storage and bin boxes
- Bulk and small parts storage

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Conveyability lays out shelving with the pick paths, replenishment and conveyor around it, then supplies and installs it.

(800) 798-0410



WIDE SPAN SHELVING

HAND-STACKED STORAGE FOR MANY DIFFERENT PRODUCTS.

Wide span shelving is designed for hand-loaded storage, ideal for keeping small stocks of many different product types for person-to-goods picking.

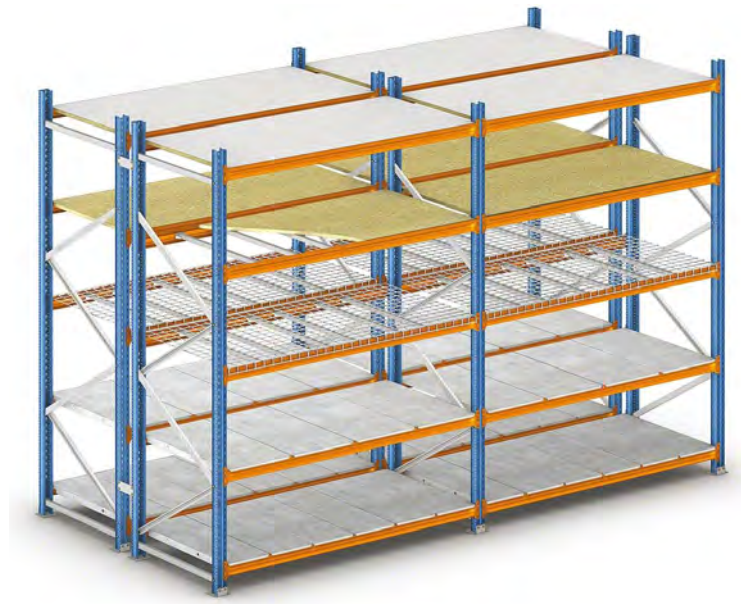
FEATURES & BENEFITS

HAND-STACK PICKING
Small stocks of many products for person-to-goods picking.

SPANS TO 108"
Beam lengths from 48" to 108"; frames from 4' to 26' high.

2" ADJUSTMENT
Posts are slotted every 2" for beam placement.

MULTI-LEVEL READY
Pair with stairs and catwalks to create multi-level storage.



SPECIFICATIONS STANDARD CONFIGURATION

Frame Heights	4' to 26' in 12" increments
Frame Depths	18", 24", 30", 36", 42" and 48"
Posts	16 ga. (0.060") open-profile steel, cup-shaped slots every 2"
Frame Capacity	9,570 lbs. at 10" max. unsupported span to 2,911 lbs. at 100"
Beam Lengths	48", 60", 72", 84", 96" and 108"
Lipped Beams	Front and back beams, three profile heights; a lip stops particle board or metal shelves
Flat-Top Beams	2.56" high x 1.18" deep, for intermediate beams where decking runs through
Beam Capacity	926 to 3,021 lbs. per pair, by beam and span (48" to 108"), at L/200 deflection
Steel Shelves	12 ga. galvanized, 6" or 12" wide; up to 374 lbs./sq. ft. (6" shelf, 30" frame)
Particle Board	7/8" (0.875") shelves, in standard sizes or by the square foot
Decking Options	Galvanized shelf panels, wire decking, hanger beams for textiles, particle board
Min. Shelf Elevation	6-19/32" (6.59") from floor to top of shelf
Finish	Blue posts (RAL 5003), galvanized diagonals, orange beams (RAL 2001)
Code Compliance	2012 RMI Specification for the Design, Testing and Utilization of Industrial Steel Storage Rack

OPTIONS

- Galvanized Shelf Panels
- Wire Decking
- Particle Board
- Hanger Beams
- Stairs & Catwalks

COMMON APPLICATIONS

- Many small SKUs for person-to-goods picking
- Hand-loaded storage
- Textiles and clothing on hanger beams
- Multi-level storage with stairs and catwalks

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability lays out shelving with the pick paths, replenishment and conveyor around it, then supplies and installs it.

(800) 798-0410

MULTI-TIER & CUSTOM SHELVING

BUILD UPWARD INSTEAD OF EXPANDING THE BUILDING.

Heavy-duty no-bolt and wide span shelving can be engineered for significant upward expansion, making multi-tiered and high-rise systems possible without relocation or warehouse expansion.

FEATURES & BENEFITS

UPWARD EXPANSION
Multi-tier and high-rise shelving instead of a warehouse expansion.

SECURITY PANELS
For high value items or controlled product storage.

BUILT TO CODE
Engineered to conform to national and local building codes.

CUSTOM-DESIGNED
Customizable units built to adapt to the storage need.



ALSO AVAILABLE



CUSTOM SHELVING
Customizable units built to the storage need.

SPECIFICATIONS PUBLISHED FEATURES

Applications	High SKU counts, small parts storage and piece pick operations
Security	Security panels for high value items or controlled product storage
Levels	Multi-level systems built to the customer's specific needs
Codes	Engineered to conform to national and local building codes
Shelving Types	Heavy-duty no-bolt and wide span shelving
Access	Stairs and catwalks between levels
Configurations	Shelving pick module; shelving on a mezzanine

OPTIONS

- Security Panels
- Stairs & Catwalks
- Shelving on a Mezzanine

COMMON APPLICATIONS

- High-SKU small parts storage
- Piece picking
- Shelving on a mezzanine
- Controlled product storage

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(800) 798-0410

MOBILE RACKING & SHELVING

ONE WORKING AISLE INSTEAD OF MANY FIXED AISLES.

Mobile bases slide sideways on floor rails, eliminating multiple fixed aisles. Aisles open only when the operator requests access, so far more fits in the same room.

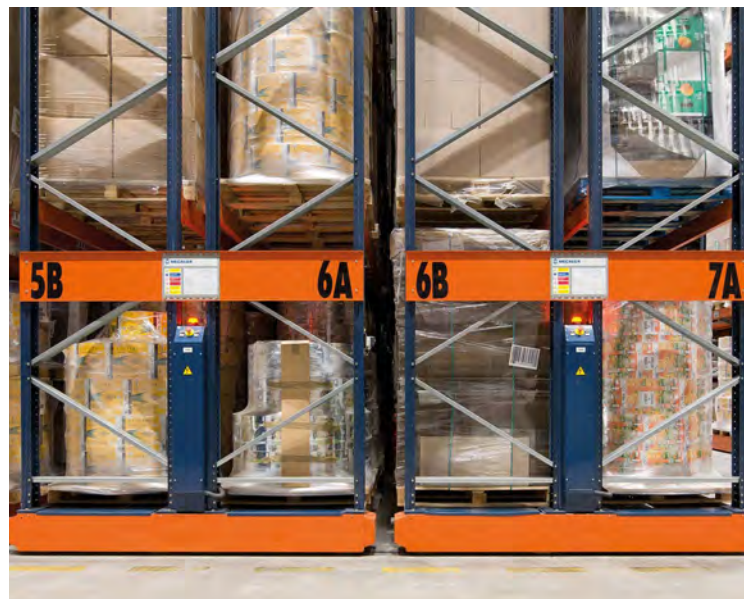
FEATURES & BENEFITS

80% TO 120% MORE
80% to 120% more pallets than a conventional pallet system.

REMOTE-OPENED AISLES
Aisles open by remote control or by flicking a switch.

COLD STORAGE
Ideal for refrigerated or deepfreeze storage.

BUILT-IN SAFETY
Safety barriers, photocells, reset and emergency buttons.



SPECIFICATIONS STANDARD CONFIGURATION

Capacity Gain	80% to 120% more pallets than a conventional pallet system
Capacity Factors	Depends on forklift type, facility size and the number of open aisles
Aisle Control	Opened automatically by remote control or manually by a switch
Mobile Bases	Motorized, electronically powered, guided by rails in the floor
Base Equipment	Motors, sliders, electronics and systems for safe, efficient operation
Levels	Set for two, three or four pallets, by size and load
Structure	Conventional pallet rack with arches for stability when starting and stopping
Wall Clearance	8" min. from sidewalls; units perpendicular to the aisle
Walkway Option	Unit nearest the wall can be cantilevered for a walkway or fire escape route
Safety	Exterior and interior barriers, proximity photocell, reset and emergency buttons
Controls	Main and remote power panels, control panel, remote control and button pad
Tracks	Roller and guide tracks, leveled, fastened together and sunk into the floor
Mobile Cantilever	Cantilever racks on motorized bases; up to 16 bases in a row

OPTIONS

- Mobile Cantilever
- Remote Control
- Pedestrian Walkway

COMMON APPLICATIONS

- General storage
- Product with average or low rotation
- Refrigerated storerooms
- Intermediary or shopping warehouses

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SHELF DRAWERS & ACCESSORIES



TURN OPEN SHELVING INTO PARTS STORAGE AND CABINETS.

Shelf drawers, cabinet doors, bin fronts, dividers and panels convert no-bolt shelving into small-parts storage and lockable cabinets.

FEATURES & BENEFITS

LOCK-UP SECURITY
36" cabinet doors convert a shelving unit into a lockable cabinet.

SMALL-PARTS DRAWERS
Shelf drawers come with two galvanized dividers.

DIVIDE THE SHELF
Fixed and sliding dividers, bin fronts and shelf boxes.

LABELED LOCATIONS
Label holders in 36", 42" or 48" lengths.



SPECIFICATIONS STANDARD CONFIGURATION

Shelf Drawers	For small parts; two galvanized dividers included
Cabinet Doors	36" wide; convert the unit into a storage cabinet with lock-up security
Swinging Doors	Close the unit front; locking mechanism and flush handle
Bin Fronts	1", 2" or 3" high; keep small items from falling off shelves
Bin Dividers	Divide shelves; all shelves pre-punched
Sliding Dividers	Attach to the shelf bottom and slide horizontally for adjustment
Shelf Boxes	Hold small items on the shelves; various sizes
Hanging Bars	Suspend items in the unit; 36", 42" and 48" widths
Label Holders	36", 42" or 48" lengths
End Panels	Enclose shelving ends; tee posts spot welded to the side panel
Back Panels	Steel; rectangular mounting slots, brackets included
Sway Braces	Side and rear braces stabilize open shelving units
Base & Kick Plates	Bolt-on base plate for stability; kick plate completes the bottom
Wide Span Tie Bars	Between beams, add shelf-level capacity and prevent buckling of longer beams

COMMON APPLICATIONS

- Tooling and high-value parts
- Records storage
- Small parts picking
- Hanging items

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CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

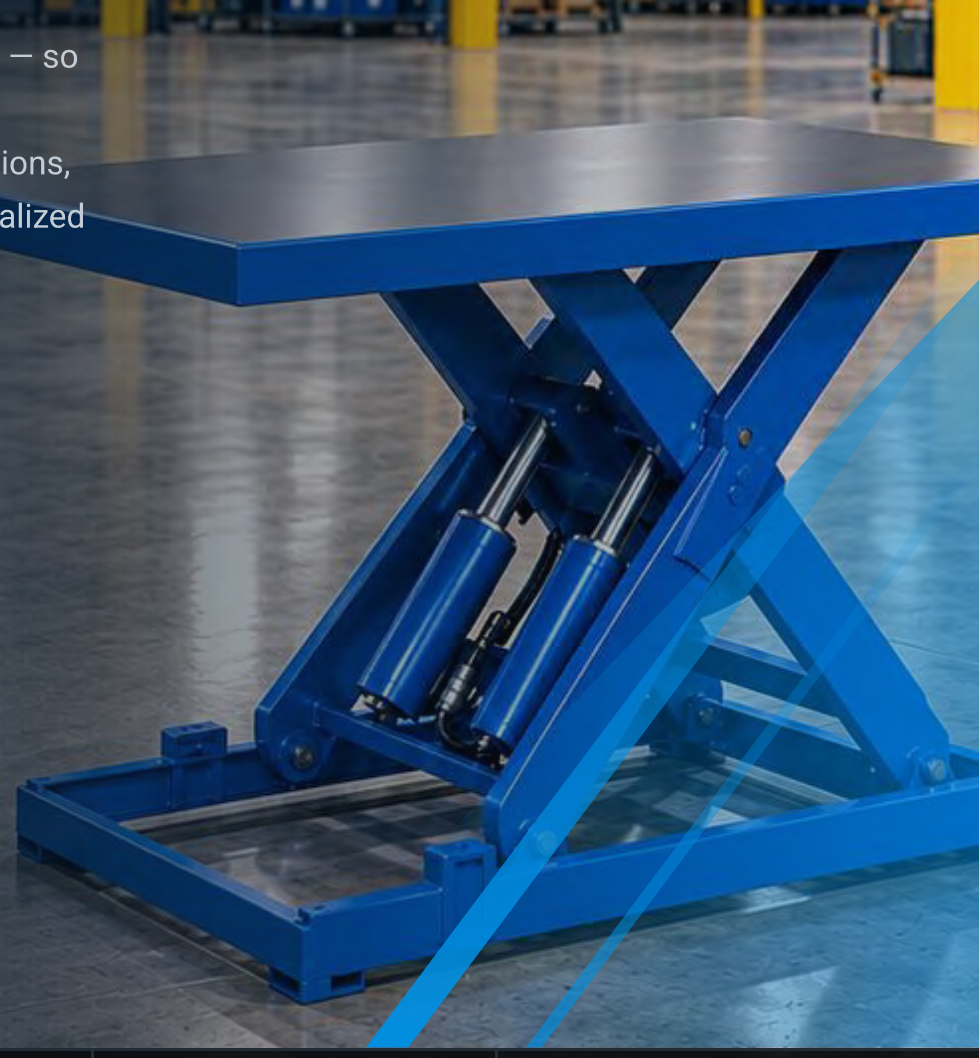
ERGONOMIC EQUIPMENT.

ERGONOMIC MATERIAL HANDLING EQUIPMENT.

Put the work at the right height before a back pays for it.

Lift tables and tilters raise, lower and tilt goods — and sometimes people — so work sits at a suitable height for the operator instead of at the floor. Conveyability supplies ergonomic equipment in a vast array of configurations, from floor-mounted to ceiling-mounted systems, built to suit highly specialized industrial processes.

- SCISSOR LIFT TABLES
- TILTERS & UPENDERS
- TURNTABLES
- HIGH-TRAVEL LIFTS
- LIFT & TILT TABLES
- DOCK LIFTS



ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime

ERGONOMIC EQUIPMENT

ERGONOMIC LIFT SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

Lifts, tilters and positioners that save backs, designed into the workstation, not dropped beside it. We supply the device and integrate it.

- SCISSOR LIFT TABLES
- HIGH-TRAVEL LIFTS
- TILTERS & UPENDERS
- LIFT & TILT TABLES
- TURNTABLES
- DOCK LIFTS

WHAT THEY SOLVE:

PALLETS BUILT AT FLOOR LEVEL

Lifts and tilters bring pallet loads to working height, ending the bend-and-lift marathon.

LOADS MUSCLED AT THE DOCK

Lifts bridge floor, dock and truck heights so loads move level instead of being muscled.

AWKWARD ASSEMBLY AND FINISHING

Raising and tilting the workpiece to the operator turns awkward tasks into arm's-reach work.

BINS AND BASKETS EMPTIED BY HAND

Tilters keep work in the power zone, cutting the reaching and bending at bins and baskets.

WORK THAT HAS TO BE WALKED AROUND

Turntables rotate the work toward the operator, so every side is in easy reach.

INJURY COSTS NOBODY QUOTED

Ergonomic devices help eliminate medical expenses and lost wages due to worker injury.

COMMON INDUSTRIES

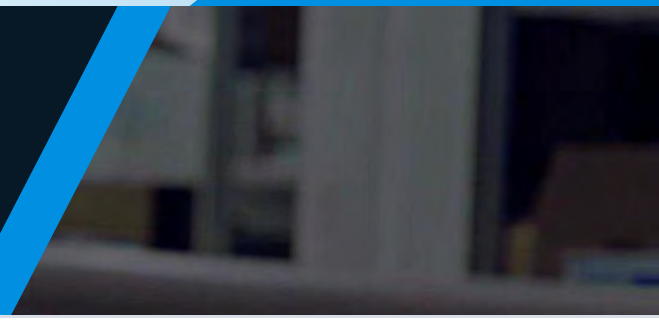
- Aerospace
- Electronics & Electrical
- Manufacturing & Assembly

OTHER INDUSTRIES WE SERVE

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YOUR FIRST CALL FOR END-TO-END CONVEYOR SOLUTIONS

(800) 798-0410



ERGONOMIC EQUIPMENT

ERGONOMIC LIFT TYPES

Configurations can be built to suit highly specialized industrial processes; the task defines the device.



SCISSOR LIFT TABLES

Long service life and outstanding lifting power.



HIGH-TRAVEL LIFTS

Higher vertical travel in a smaller footprint.

ALSO AVAILABLE

Triple-High Lift



TILTERS & UPENDERS

Reposition containers, coil spools and heavy parts.

ALSO AVAILABLE

Tilter On Lift Table



LIFT & TILT TABLES

Lift and tilt in one unit with a small footprint.

ALSO AVAILABLE

Pneumatic Lift & Tilt



TURNTABLES

Rotate the work toward the worker.

ALSO AVAILABLE

Manual Turntable



DOCK LIFTS

Bridge the height between floor, dock and truck.

ALSO AVAILABLE

Portable Dock Lift
Heavy-Duty Dock Lift

TALK TO A CONVEYABILITY ENGINEER

Ergonomic equipment works best designed into the workstation and the flow around it. Conveyability supplies the device and integrates it.

(800) 798-0410

SCISSOR LIFT TABLES



LONG SERVICE LIFE AND OUTSTANDING LIFTING POWER.

Scissor lift tables designed and built for long service life, durability and outstanding lifting power, in models suited to pallet handling, parts assembly and ergonomic work positioning.

FEATURES & BENEFITS

PREWIRED, POWER ONBOARD
Controls come prewired; install by lagging the lift down and connecting electricity.

SOLID STEEL PLATFORM
A 1/4" to 3/8" thick steel platform minimizes deck deflection.

3:1 SAFETY FACTOR
Minimum 3:1 structural factor of safety; complies with ANSI MH29.1.

SAFE MAINTENANCE
On-board devices let crews safely block the scissors open for inspection.



SPECIFICATIONS STANDARD CONFIGURATION

Travel	24"
Capacity	2,500 lbs.
Lowered Height	6.5"
Raised Height	30.5"
Base Frame	24" W x 36" L
Platform Width	24" to 48"
Platform Length	36" to 60"
Max End Load	2,500 lbs.
Max Side Load	2,500 lbs.
Raising / Lowering Time	8 sec. / 4 sec.
Power Unit	1.5 HP, remote
Cylinders	1
Shipping Weight	500 lbs.

Specs shown for a 24" travel, 2,500 lbs. model. The line runs 24" to 60" of travel and up to 15,000 lbs.

OPTIONS

- Controls
- Portability Set
- Accordion Skirting
- Turntables

COMMON APPLICATIONS

- Pallet handling
- Parts assembly
- Ergonomic work positioning

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HIGH-TRAVEL SCISSOR LIFTS



HIGHER VERTICAL TRAVEL IN A SMALLER FOOTPRINT.

Two scissor assemblies stacked and welded together give higher vertical travel while keeping a smaller footprint, for anything from pallet stacking to parts and assembly.

FEATURES & BENEFITS

UP TO 180" OF TRAVEL
Double-high lifts travel 48" to 96"; triple-high lifts 72" to 180".

SMALLER FOOTPRINT
Less floor space for the travel, and workers stand closer to the product.

DOUBLE SCISSOR LEGS
A double set of scissor legs adds load stability and worker safety.

CONTROLLED LOWERING
A flow control valve regulates the speed of the lift as it lowers.



ALSO AVAILABLE



TRIPLE-HIGH LIFT
72" to 180" of travel, 1,500 to 6,000 lbs.

SPECIFICATIONS STANDARD CONFIGURATION

Travel	48"
Capacity	2,000 lbs.
Lowered Height	13"
Raised Height	61"
Base Frame	24" W x 36" L
Platform Width	24" to 36"
Platform Length	36" to 60"
Max End Load	2,000 lbs.
Max Side Load	1,000 lbs.
Raising / Lowering Time	16 sec. / 16 sec.
Power Unit	1.5 HP, remote
Cylinders	2
Shipping Weight	1,100 lbs.

Specs shown for a 48" travel, 2,000 lbs. double-high model. Double-high lifts run to 96" and 10,000 lbs.

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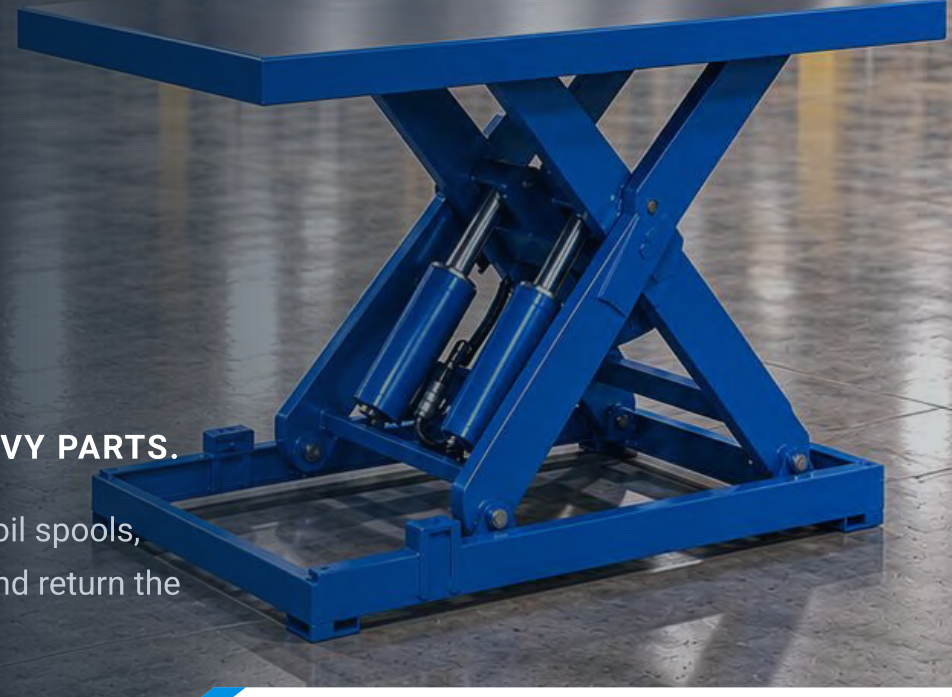
COMMON APPLICATIONS

- Pallet stacking
- Parts and assembly
- Access to high reach landings

Ergonomic equipment works best designed into the workstation and the flow around it. Conveyability supplies the device and integrates it.

(800) 798-0410

TILTERS & UPENDERS



REPOSITION CONTAINERS, COIL SPOOLS AND HEAVY PARTS.

Industrial tilters reposition heavy equipment, containers, coil spools, parts and more. Double-acting hydraulic cylinders rotate and return the load through 90 degrees at a controlled rate.

FEATURES & BENEFITS

90° CONTROLLED TILT
Double-acting hydraulic cylinders rotate and return the load at a controlled rate.

POWER ZONE WORK
Keeps work in the ergonomic power zone, minimizing reaching and bending at bins.

NO-LUBE PIVOTS
Maintenance-free bearings at the pivot points require no lubrication.

VELOCITY FUSES
Hydraulic velocity fuses stop the unit if a hose suddenly ruptures.



ALSO AVAILABLE



TILTER ON LIFT TABLE
Tilts up to 6,000 lbs. a full 90 degrees.

SPECIFICATIONS STANDARD CONFIGURATION

Tilt	90°
Capacity	2,000 lbs.
Lowered Height	7"
Base Frame	23" W x 43" L
Platform Width	24" to 48"
Platform Length	44" to 48"
Raising / Lowering Time	35 sec. / 30 sec.
Power Unit	1 HP, internal
Cylinders	2, double-acting hydraulic
Shipping Weight	570 lbs.

Specs shown for a 2,000 lbs. 90° tilter. Non-intrusive 45° and pneumatic tilters are also available.

COMMON APPLICATIONS

- Repositioning heavy equipment
- Container loading and unloading
- Coil spools and parts
- Loading and unloading bins and baskets

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LIFT & TILT TABLES



LIFT AND TILT IN ONE UNIT WITH A SMALL FOOTPRINT.

Lift and tilt tables raise and tilt the load in one unit, for container loading and unloading, parts assembly and disassembly, and work positioning with improved ergonomics and greater throughput.

FEATURES & BENEFITS

LIFT AND TILT COMBINED
Adjust the load vertically and tilt it to keep items within the operator's reach.

SMALL FOOTPRINT
Workers stand close to the product, keeping work in the ergonomic power zone.

LOAD STAYS CENTERED
The non-intrusive design keeps the load centered over the base frame at all times.

SPIRAL WOUND BEARINGS
High-impact, maintenance-free bearings at every pivot point.



ALSO AVAILABLE



PNEUMATIC LIFT & TILT
Airbag actuated, ideal for clean rooms.

SPECIFICATIONS STANDARD CONFIGURATION

Travel	22.19"
Capacity	8,000 lbs.
Lowered Height	10.81"
Raised Height	33"
Base Frame	34" W x 52.5" L
Platform Width	48" to 60"
Platform Length	54" to 56"
Raising / Lowering Time	50 sec. / 10 sec.
Power Unit	1.5 HP, internal
Cylinders	2
Shipping Weight	921 lbs.

Specs shown for an 8,000 lbs. hydraulic lift and tilt table.

COMMON APPLICATIONS

- Container loading and unloading
- Parts assembly and disassembly
- Work positioning
- Clean room work (pneumatic version)

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INDUSTRIAL TURNTABLES



ROTATE THE WORK TOWARD THE WORKER.

Turntables give workers easy access to all sides of the work by rotating it toward them, and a reliable way to rotate extremely heavy loads, powered or manual, up to 360 degrees.

FEATURES & BENEFITS

360° ROTATION
Powered or manual, rotating products up to 360° in one or both directions.

UP TO 6,000 LBS.
Chain-driven powered turntables rotate products weighing up to 6,000 lbs.

NO TIPPING
A retention system keeps the platform from tipping under edge or off-center loads.

TORQUE LIMITER
An adjustable torque limiter slips to protect the motor and gearbox from jams.



ALSO AVAILABLE



MANUAL TURNTABLE
Turns heavy loads by hand; 4" lowered height.

SPECIFICATIONS STANDARD CONFIGURATION

Rotation	Up to 360°
Capacity	2,500 lbs.
Lowered Height	10"
Base Frame	24" W x 24" L
Platform Width	36" to 44"
Platform Length	36" to 44"
Max Side Load	1,900 lbs.
Drive	Chain driven, 0.25 HP, internal
Shipping Weight	385 lbs.

Specs shown for a 2,500 lbs. powered turntable.

OPTIONS

Single-Direction Controls | Bi-Directional Controls

COMMON APPLICATIONS

- Access to all sides of the work
- Work positioning
- Rotating extremely heavy loads
- Paired with a scissor lift table

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DOCK LIFTS



BRIDGE THE HEIGHT BETWEEN FLOOR, DOCK AND TRUCK.

Dock lifts maximize efficiency and utilization at the dock. This pit-mounted scissor lift extends grade level for fork truck loading and unloading, built for the most rigorous loading work.

FEATURES & BENEFITS

FORK TRUCK LOADING
Pit mounted to extend grade level for fork truck loading and unloading.

THROW-OVER BRIDGE
A throw-over bridge conveniently covers the transition gap.

HANDRAILS AND BEVELS
Removable handrails, and beveled platform sides that protect feet and toes.

UP/DOWN PUSHBUTTON
Simple up/down pushbutton operation.



ALSO AVAILABLE



PORTABLE DOCK LIFT
Portable, 4-1/2" profile, 4,000 to 6,000 lbs.



HEAVY-DUTY DOCK LIFT
12,500 to 20,000 lbs., over 60" of travel.

SPECIFICATIONS STANDARD CONFIGURATION

Mounting	Pit mounted
Travel	58"
Capacity	12,000 lbs.
Lowered Height	12.5"
Raised Height	70.5"
Base Frame	60.75" W x 96.5" L
Platform Width	72" to 96"
Platform Length	100" to 120"
Raising / Lowering Time	48.3 sec. / 48.3 sec.
Power Unit	5 HP, remote
Cylinders	2
Shipping Weight	4,900 lbs.

Specs shown for a 12,000 lbs. pit-mounted dock lift. Truck levelers, bascule bridges and ram lifts are also available.

OPTIONS

Conveyors | Deck Locks | Accordion Skirting | Anti-Skid Platforms

COMMON APPLICATIONS

- Fork truck loading and unloading
- Pallet jack and hand dolly pass-through
- Laundry, postal and retail cart transfer
- Automotive, retail and grocery docks

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CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

CUSTOM EQUIPMENT.

CUSTOM MATERIAL HANDLING EQUIPMENT.

Get equipment built for your process when nothing standard fits it.

Some equipment simply doesn't exist until somebody builds it — the odd conveyor, the dip tank system, the transfer that connects two machines that were never meant to meet. Conveyability's fabrication department has been engineering customer-specific equipment to exact specifications for over 40 years, as part of a full turnkey scope: conveyors, controls, fabrication and installation.

- DOUBLE STRAND CHAIN
- STAINLESS CONVEYORS
- PALLET STACKERS
- FILLING SYSTEMS
- SLAT CONVEYORS
- DIP TANK SYSTEMS
- PALLET ROTATORS
- WIRE MESH CONVEYORS

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime

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CUSTOM EQUIPMENT

CUSTOM EQUIPMENT SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

Proven drives, bearings, chain and controls in an arrangement nobody sells. Conveyability designs it, builds it and integrates it into the line.

- OVER/UNDER DELIVERY
- SMALL PARTS ASSEMBLY
- TABLE TOP CHAIN
- PNEUMATIC STOPS
- TOTE STACKERS
- PALLET CONVEYORS
- PART TRANSFER SYSTEMS

WHAT THEY SOLVE:

NOTHING STANDARD FITS

From a modified catalog section to a machine that exists nowhere else, built in our shop.

CUSTOM THAT'S HARD TO MAINTAIN

Proven drives, bearings, chain and controls your maintenance team can keep running.

WASHDOWN AREAS

Stainless steel conveyors and washdown-appropriate construction are standard fabrication.

NO FINISHED DRAWINGS

A photo, rough dimensions and a description are enough to start. Engineering draws it.

MATCHING AN EXISTING LINE

Building to match an existing line's heights, guides and controls is a common request.

WHO SUPPORTS IT AFTERWARD

The company that engineered and built it handles installation, spare parts and service.

COMMON INDUSTRIES

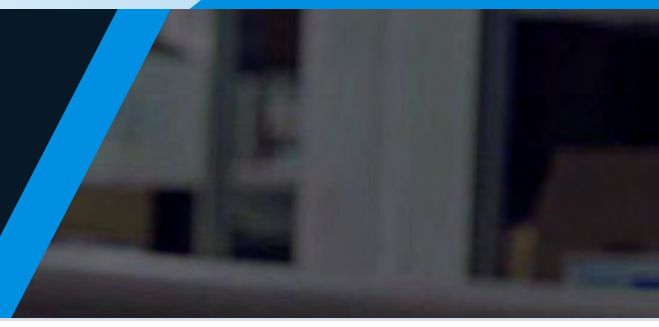
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- Car Wash
- Fabricated Metal & Stamping
- Integrators & Machine Builders
- Manufacturing & Assembly
- Tire & Wheel

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CONVEYOR AND STORAGE SYSTEMS

Conveyor & storage systems integrator — Grand Rapids, MI

Conveyability
CONVEYOR AND STORAGE SYSTEMS

CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

SORTATION SYSTEMS.

SCALE YOUR OPERATION WITH SORTATION CONVEYOR SYSTEMS.

When growth puts pressure on your material handling, it may be time to rethink how products move.

Growing order volumes expose limitations in a process that worked well at a smaller scale. Hiring additional workers may not be practical, and pushing existing teams to work faster can introduce quality and safety issues. Our designers, engineers and fabricators work directly with your team on new system installations and upgrades to existing operations, giving your operation the capacity to scale to the next level.

- MODULAR SCAN-AND-SORT
- NARROW BELT SORTER
- SINGULATOR
- PARCEL SORTATION
- SORT BELT
- PUSHERS & DIVERTERS

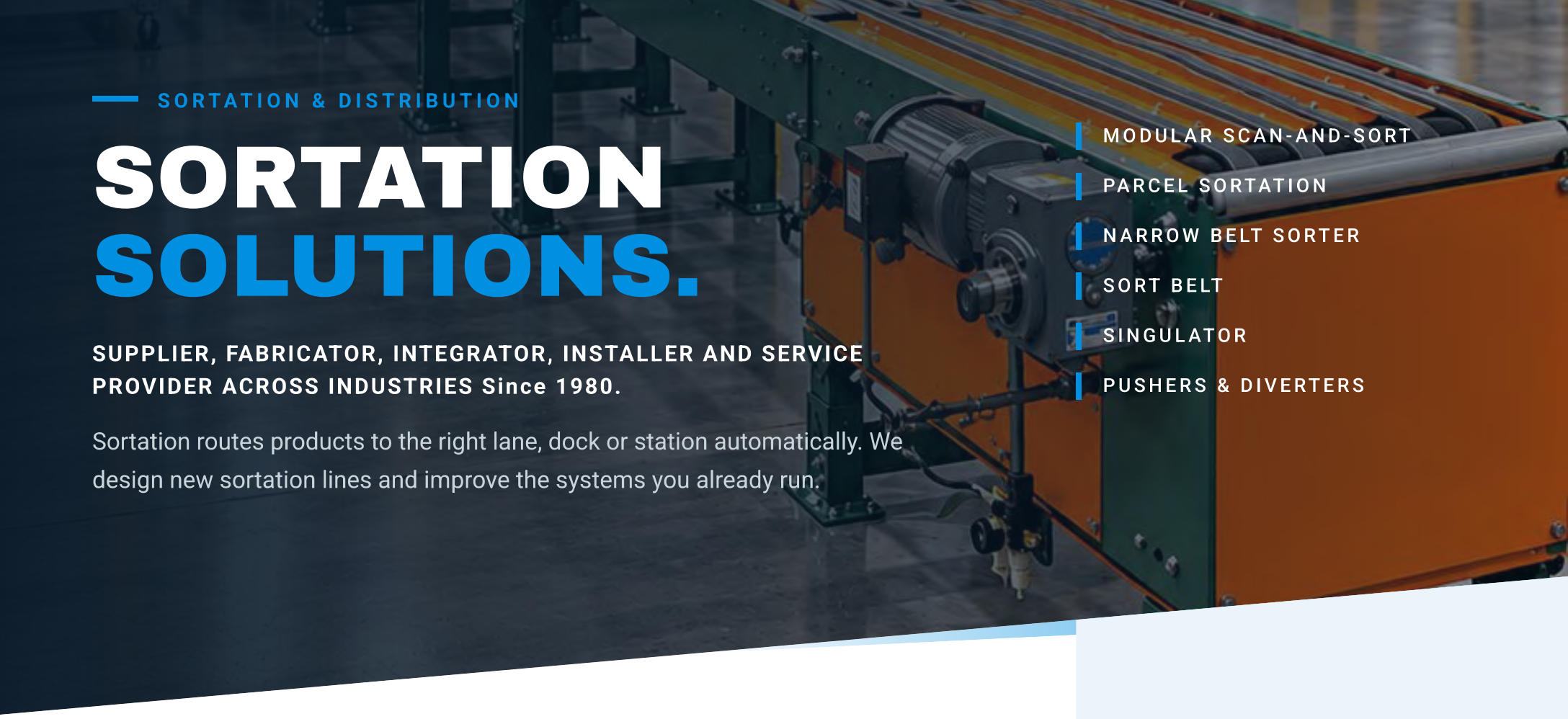
ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime



SORTATION & DISTRIBUTION

SORTATION SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

Sortation routes products to the right lane, dock or station automatically. We design new sortation lines and improve the systems you already run.

- MODULAR SCAN-AND-SORT
- PARCEL SORTATION
- NARROW BELT SORTER
- SORT BELT
- SINGULATOR
- PUSHERS & DIVERTERS

WHAT THEY SOLVE:

MORE ORDERS, SAME HEADCOUNT

Process more orders in the same amount of time without relying on added headcount.

A PROCESS THAT OUTGREW ITS SCALE

Pushing teams to work faster risks quality and safety. Sortation gives you the capacity to scale.

PACKAGES TO THE WRONG DOCK

Route products to the right lane, dock or station automatically, with fewer hands on each package.

SCRAMBLED PRODUCT FROM MANY LINES

A singulator descrambles packages entering from multiple lines and sends them out single file.

VOLUME AND PRODUCTS THAT CHANGE

Designed around changes in volume, products and processes so you don't have to start over.

A SORT LINE YOU ALREADY RUN

We improve the material flow of the systems you already run, not only new sortation lines.

COMMON INDUSTRIES

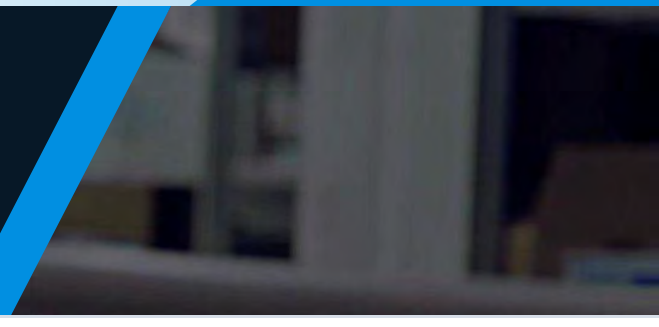
- Distribution & Sortation
- Ecommerce & Fulfillment
- Warehousing & Logistics
- Recycling
- Industrial Laundry
- Greenhouses & Nurseries

OTHER INDUSTRIES WE SERVE

Aerospace · Automotive · Building Materials · Cannabis Farms · Car Wash · Chemical & Food · Consumer Goods Manufacturing · Corrugated Packaging · Electronics & Electrical · Fabricated Metal & Stamping · Finishing Systems · Food & Beverage Processing · Integrators & Machine Builders · Manufacturing & Assembly · Medical Device Manufacturing · Packaging & End-of-Line · Pharmaceutical & Healthcare · Plastics & Injection Molding · Tire & Wheel

YOUR FIRST CALL FOR END-TO-END CONVEYOR SOLUTIONS

(800) 798-0410



SORTATION & DISTRIBUTION

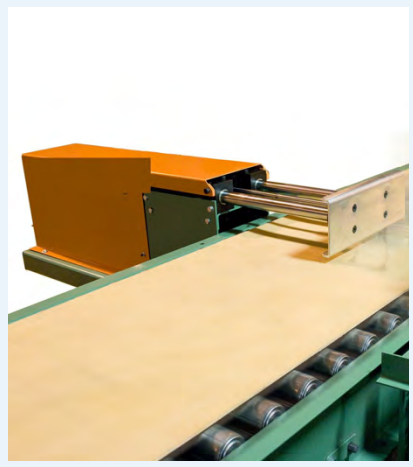
SORTATION TYPES

Every line moves product differently. We engineer the system that fits your product, space and throughput goals.



MODULAR SCAN-AND-SORT

Rapid scan-and-sort, without a lengthy implementation.



PARCEL SORTATION

Controlled lateral diverts into a takeaway path.



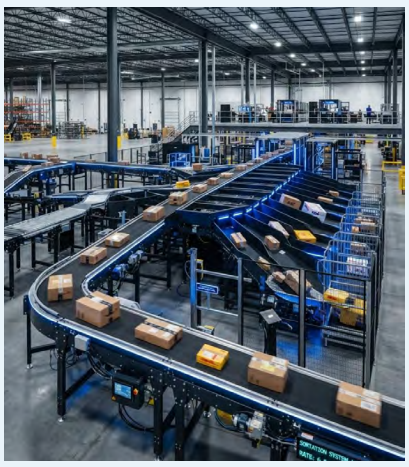
NARROW BELT SORTER

Precise, high-speed sorts with controlled transfers.



SORT BELT

High-rate package sorting in a compact footprint.



SINGULATOR

Product enters scrambled and exits single file.



PUSHERS & DIVERTERS

Pneumatic diverts, barrel arms and overhead sorting.

ALSO AVAILABLE

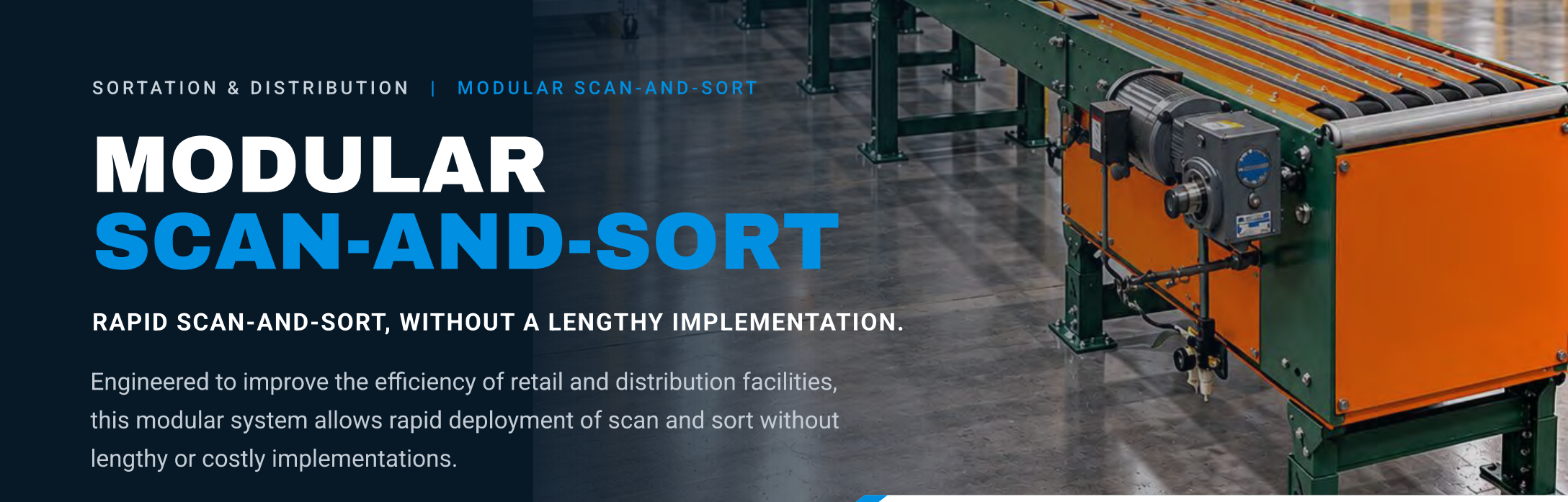
Curved Arm Pusher

TALK TO A CONVEYABILITY ENGINEER

Conveyability designs your sortation system around how your operation works today and how it may need to operate in the future.

(800) 798-0410

MODULAR SCAN-AND-SORT



RAPID SCAN-AND-SORT, WITHOUT A LENGTHY IMPLEMENTATION.

Engineered to improve the efficiency of retail and distribution facilities, this modular system allows rapid deployment of scan and sort without lengthy or costly implementations.

FEATURES & BENEFITS

INTEGRATED SCAN TUNNEL
The scan tunnel can scan up to five sides of each carton.

PLUG-AND-PLAY SETUP
Sets up on standard 110 V power with 24 V DC control systems.

BI-DIRECTIONAL DIVERTS
All-electric bi-directional diverts with foldable divert wings.

25–30 CARTONS A MINUTE
A system divert rate of 25 to 30 cartons per minute, with belted gapping.



SPECIFICATIONS STANDARD CONFIGURATION

Load Capacity	50 lbs./ft.
Rollers	1.9" dia. x 16 ga. zinc-plated steel, precision bearings
Axle Centers	3" standard
Drive Motors	24 V DC brushless
MDR Speeds	60–194 FPM
Conveyor Width	30"
Scannable Sides	Up to five
Divert Rate	25–30 cartons per minute
Casters	6" x 2" heavy-duty, standard

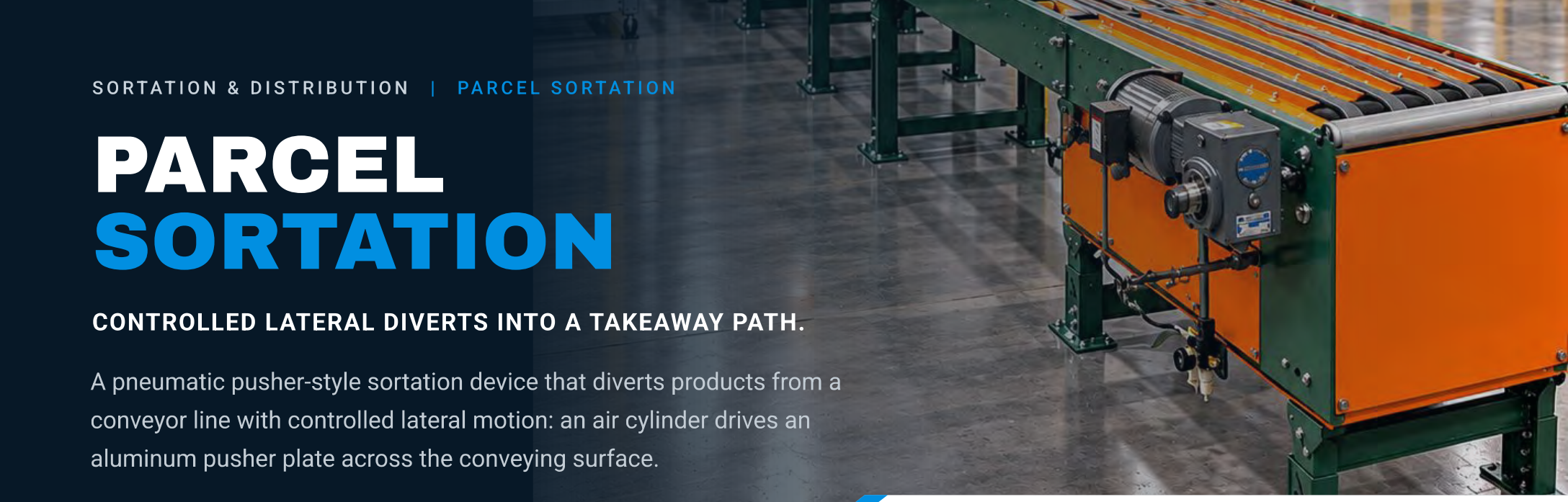
COMMON APPLICATIONS

- Warehouse and distribution centers
- E-commerce
- Parcel post
- Retail
- Third-party logistics

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PARCEL SORTATION

CONTROLLED LATERAL DIVERTS INTO A TAKEAWAY PATH.

A pneumatic pusher-style sortation device that diverts products from a conveyor line with controlled lateral motion: an air cylinder drives an aluminum pusher plate across the conveying surface.

FEATURES & BENEFITS

UP TO 75 CYCLES A MINUTE

Cycle rates up to 75 per minute, depending on product size and weight.

PRODUCTS UP TO 100 LBS.

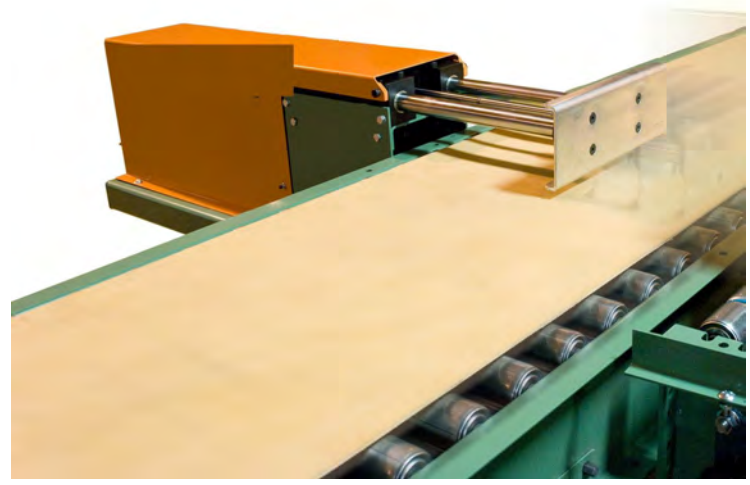
Diverts products up to 100 lbs.; rates are affected by product weight.

CUSHIONED AIR STROKE

A 2" bore cylinder strokes up to 36" and slows to a cushion at rest.

WIRED AT ONE TERMINAL

A NEMA 1 enclosure houses the terminal strip for all wiring connections.



SPECIFICATIONS STANDARD CONFIGURATION

Air Cylinder	2" dia. bore
Length of Stroke	Up to 36"
Pusher Plate	1/8" aluminum channel
Max Cycle Rate	Up to 75 cycles per minute; depends on product size and weight
Capacity	100 lbs. maximum product weight; rates affected by product weight
FRL	Included, with 3/8" ports
Compressed Air	0.5 cu. ft./min. at 80–100 PSI per cycle
Pneumatic Controls	Slow-down cushion at rest position
Enclosure	NEMA 1, houses terminal strip for all wiring connections
Wiring Diagram	Housed inside terminal box
Electrical Controls	24 VDC single solenoid valve; 2 hall-effect sensors

OPTIONS

- Floor Supports
- Speed
- Controls
- 120 V Solenoid Valve

COMMON APPLICATIONS

- Diverting cartons, totes and packaged products
- Sorting to secondary lines or workstations
- Routing in accumulation and singulation zones
- Indexing and positioning before processing
- Reject and rework line diverting
- Low- to medium-speed sorts needing precise timing

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NARROW BELT SORTERS



PRECISE, HIGH-SPEED SORTS WITH CONTROLLED TRANSFERS.

A narrow belt sorter is designed for precise, high-speed sortation of cartons, totes and packaged products where product stability and controlled transfers are required.

FEATURES & BENEFITS

UP TO 60 SORTS A MINUTE
Belt speeds up to 300 FPM, depending on product size and weight.

90° OR 30° DIVERTS
90° roller transfers, single or bi-directional, or 30° skewed wheel diverts.

STABLE NARROW BELTS
1-1/4" belts run on UHMW guide tracks on 3-1/2" centers.

POP-OUT SAFETY ROLLERS
Safety pop-out rollers are standard on both ends.



SPECIFICATIONS STANDARD CONFIGURATION

Belting	1-1/4" wide, on UHMW guide tracks on 3-1/2" centers
Drive Pulley	8" dia., 1-7/16" dia. shaft, machine crowned and fully lagged
Tail Pulley	4" dia., machine crowned, 1-3/16" dia. shaft
Take-Up	Pneumatic belt tension mechanism
Belt Speed	300 FPM maximum; depends on product size and weight
Safety Pop-Out Roller	Standard on both ends, 1.9" dia. x 16 ga. galvanized steel
Air Controls	Single solenoid, 60 PSI required
Capacity	Product not to exceed 60 lbs.
90° Roller Transfer	High-speed 1-1/2" x 16 ga. urethane-covered rollers; single or bi-directional
30° Skewed Wheel Divert	Urethane-covered drive wheels; single direction; takeaway guard rails may be required
Diverter Drive	Independently driven
Rate	Up to 60 sorts per minute

OPTIONS

- Floor Supports
- Roller/Wheel Divert
- Speed
- Controls

COMMON APPLICATIONS

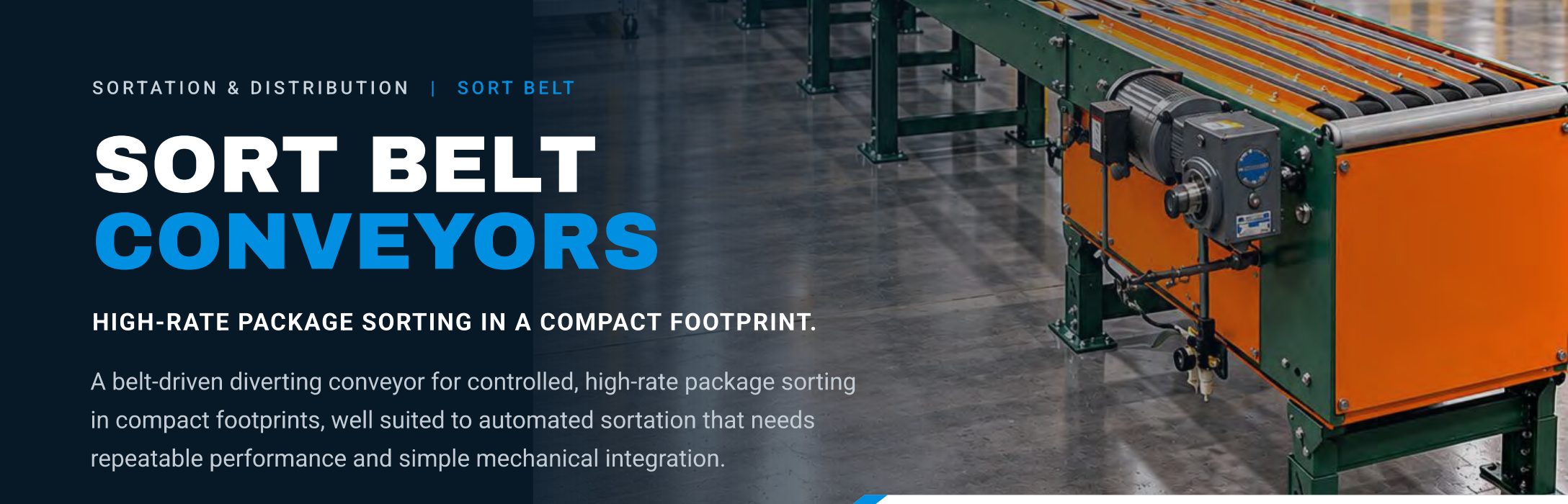
- Sorting cartons, totes and rigid packages
- 90° transfers to perpendicular takeaways
- Angled diverts to spurs on skewed wheels
- Order routing in pick modules and fulfillment
- Product separation and lane assignment
- Light to moderate weight transfers

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SORT BELT CONVEYORS



HIGH-RATE PACKAGE SORTING IN A COMPACT FOOTPRINT.

A belt-driven diverting conveyor for controlled, high-rate package sorting in compact footprints, well suited to automated sortation that needs repeatable performance and simple mechanical integration.

FEATURES & BENEFITS

UP TO 75 SORTS A MINUTE
Repeatable, high-rate diverts at belt speeds up to 300 FPM.

30° AND 45° DIVERTS
Dual pivoting wheels with urethane drive bands divert at 30° or 45°.

BELT-DRIVEN DIVERTER
The diverter is slave driven from the conveyor belt.

STAGED FOR THE DIVERT
A staging diverter stages each package for diverting.



SPECIFICATIONS STANDARD CONFIGURATION

Drive Pulley	8" dia., 1-7/16" dia. shaft, machine crowned and fully lagged
Tail Pulley	4" dia., machine crowned, 1-3/16" dia. shaft
Nose-Bar Pulley	2-1/2" dia., machine crowned
Take-Up	Screw type at tail pulley, 12" of belt take-up
Belt Speed	300 FPM maximum; depends on product size and weight
Safety Pop-Out Roller	Standard on both ends, 1.9" dia. x 16 ga. galvanized steel
Air Cylinder	Dual 1-1/16" bore x 1" stroke, double action
Air Controls	Single solenoid, 40 PSI required
Diverter	Dual pivoting wheels with urethane drive bands
Diverter Drive	Slave driven from the conveyor belt
Diversion Angle	30° and 45°; takeaway guard rails may be required
Rate	Up to 75 sorts per minute
Staging Diverter	Stages package for diverting

OPTIONS

Floor Supports | Speed | Controls

COMMON APPLICATIONS

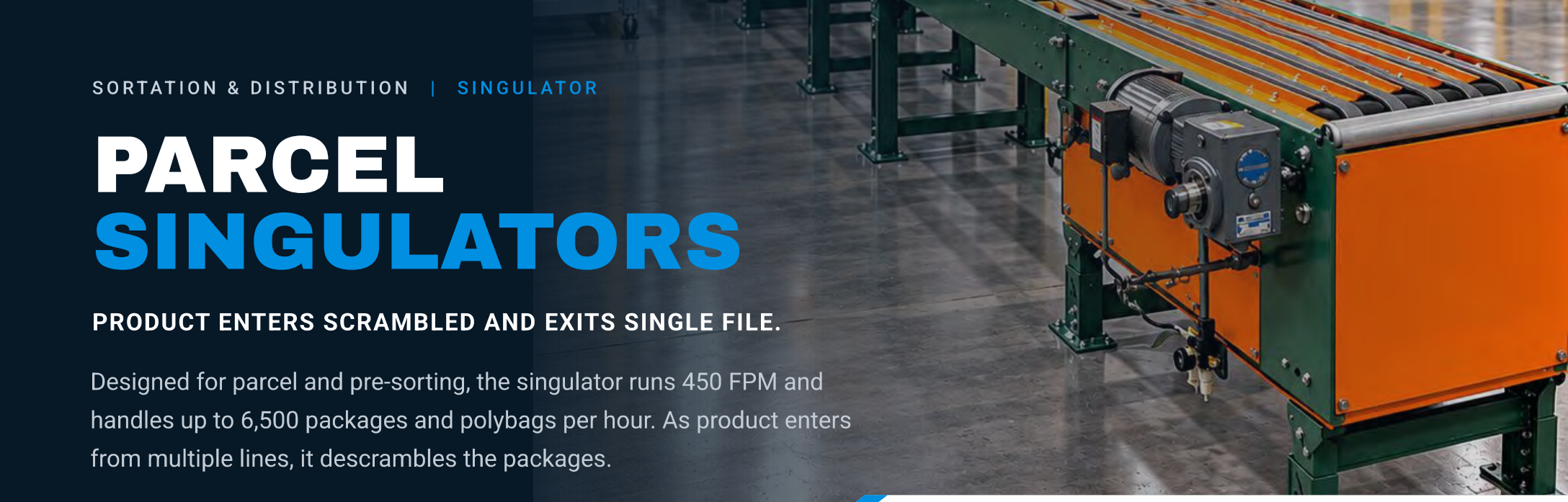
- High-rate package sortation to spur conveyors
- Diverting cartons, totes and polybags
- Routing in pick, pack and ship operations
- Staging and controlled release before diverts
- Merge and divert points in compact layouts
- Order consolidation and zone-based sorting

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PARCEL SINGULATORS



PRODUCT ENTERS SCRAMBLED AND EXITS SINGLE FILE.

Designed for parcel and pre-sorting, the singulator runs 450 FPM and handles up to 6,500 packages and polybags per hour. As product enters from multiple lines, it descrambles the packages.

FEATURES & BENEFITS

UP TO 450 FPM
Discharge speeds up to 450 FPM from a 60 FPM infeed.

6,500 PACKAGES AN HOUR
Handles up to 6,500 packages and polybags per hour.

DESCRAMBLES MULTIPLE LINES
Product from multiple lines enters scrambled and exits single file.

24 V DC BRUSHLESS
A 24 V DC brushless motor system drives a 48" conveying surface.



SPECIFICATIONS STANDARD CONFIGURATION

Load Capacity	50 lbs./ft.
Infeed Speed	60 FPM
Discharge Speed	Up to 450 FPM
Rollers	Galvanized grooved rollers on 2.1" centers
Between Frame	56"
Conveying Surface	48"
Length	16' to 20'
Infeed Height	32"
Discharge Height	32"
Construction	10" x 1-1/2" x 10 ga. formed channel frames
Supports	Heavy-duty structural
Casters	Rubber swivel casters with brake lock and swivel lock
Motor	24 V DC brushless motor system

OPTIONS

- Guard Rails
- Coated Rollers
- Laser Sensors
- E-Stops
- Sealed Precision Bearings

COMMON APPLICATIONS

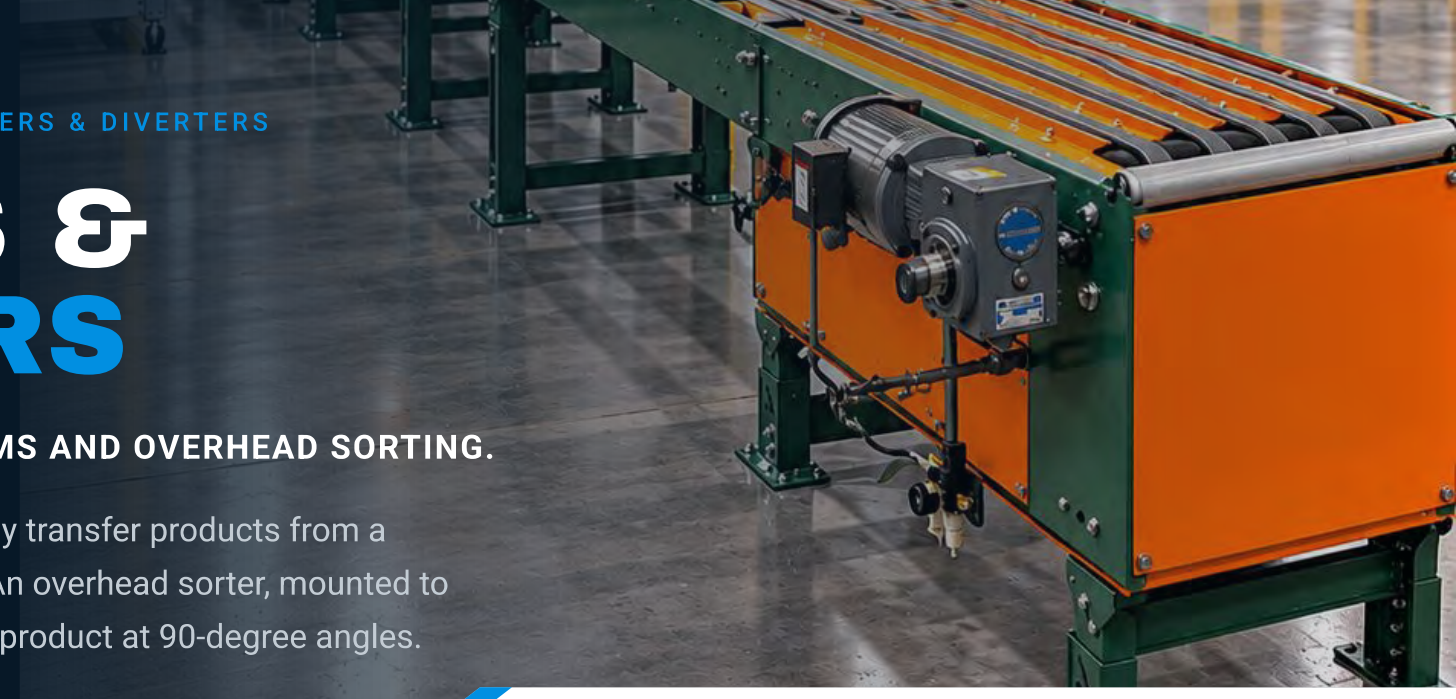
- Distribution and fulfillment centers
- Warehousing and logistics operations
- E-commerce and parcel handling
- Manufacturing and assembly operations
- Food and consumer goods packaging
- Postal and material distribution

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PUSHERS & DIVERTERS



PNEUMATIC DIVERTS, BARREL ARMS AND OVERHEAD SORTING.

Pneumatic pushers and diverters laterally transfer products from a conveyor to an adjacent takeaway line. An overhead sorter, mounted to the floor alongside the conveyor, moves product at 90-degree angles.

FEATURES & BENEFITS

3-POSITION DIVERTER
The arm moves bags to the center or 30° left or right onto the discharge conveyor.

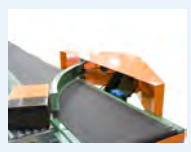
CURVED ARM PUSHER
The curved profile engages product smoothly without disrupting upstream flow.

BARREL DIVERTING ARMS
90° pneumatic arms send 30 gallon barrels to and from a secondary line.

OVERHEAD SORTER
Floor mounted beside the conveyor: up to 35 sorts per minute at 90°.



ALSO AVAILABLE



CURVED ARM PUSHER
Pneumatic transfer to an adjacent takeaway.

SPECIFICATIONS PUBLISHED FEATURES

3-Position Diverter	Moves bags to the center or 30° left or right for transfer at the discharge end
Diverter Belt	54" flush grid grey polypropylene belt; bags move easily with the arm
Diverted Product	25 lbs. bags
Curved Arm Pusher	Pneumatic; laterally transfers products to an adjacent takeaway line
Pusher Profile	Engages product smoothly; consistent placement without disrupting upstream flow
Barrel Diverting Arms	90° pneumatic arms divert 30 gallon barrels to a secondary line and back
Barrels Straight Through	Both arms raise to send barrels straight down the main line
Dual-Lane Barrel Divert	Curved arm with skate wheels; a pneumatic arm lifts the first diverter
Overhead Sorter Rate	Up to 35 sorts per minute
Overhead Sorter Mounting	Floor mounted alongside the conveyor; moves product at 90° angles

No standard spec table is published for these products. Ask us for the data for your application.

COMMON APPLICATIONS

- Distribution and fulfillment centers
- Warehousing and logistics operations
- E-commerce and parcel handling
- Manufacturing and assembly operations
- Food and consumer goods packaging
- Postal and material distribution

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TALK TO A CONVEYABILITY ENGINEER

READY TO LAUNCH A NEW LINE OR FIND MORE CAPACITY IN YOUR FACILITY?

Move Smarter, Produce More.

Conveyability engineers and integrates conveyor and material handling systems that reduce downtime, improve flow, maximize floor space and support the way your operation actually works.

Call (800) 798-0410

Request a Plant Evaluation →

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Mon – Fri 8AM – 5PM ET

EMAIL

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COME SEE THE SHOP

2889 Northridge Drive NW
Grand Rapids, MI 49544

24-HOUR SERVICE

Emergency service when the line is down.

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CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

PALLETIZER SYSTEMS.

PALLETIZER AND DEPALLETIZER INTEGRATION.

Palletizing and depalletizing systems selected and integrated around your product, rate and end of line.

Product type, production rate, pallet pattern, available space and how products need to be handled all play a role in determining the approach that works best. Our team has experience with a wide range of palletizing technologies, including robotic, conventional, high-level, low-level, magnetic and vacuum systems. By evaluating your operation as a whole, we see which technology makes the most sense for your application and production goals.

- ROBOTIC PALLETIZERS
- CONVENTIONAL PALLETIZERS
- HIGH-LEVEL PALLETIZERS
- LOW-LEVEL PALLETIZERS
- MAGNETIC SYSTEMS
- VACUUM SYSTEMS
- DEPALLETIZERS
- END-OF-LINE INTEGRATION

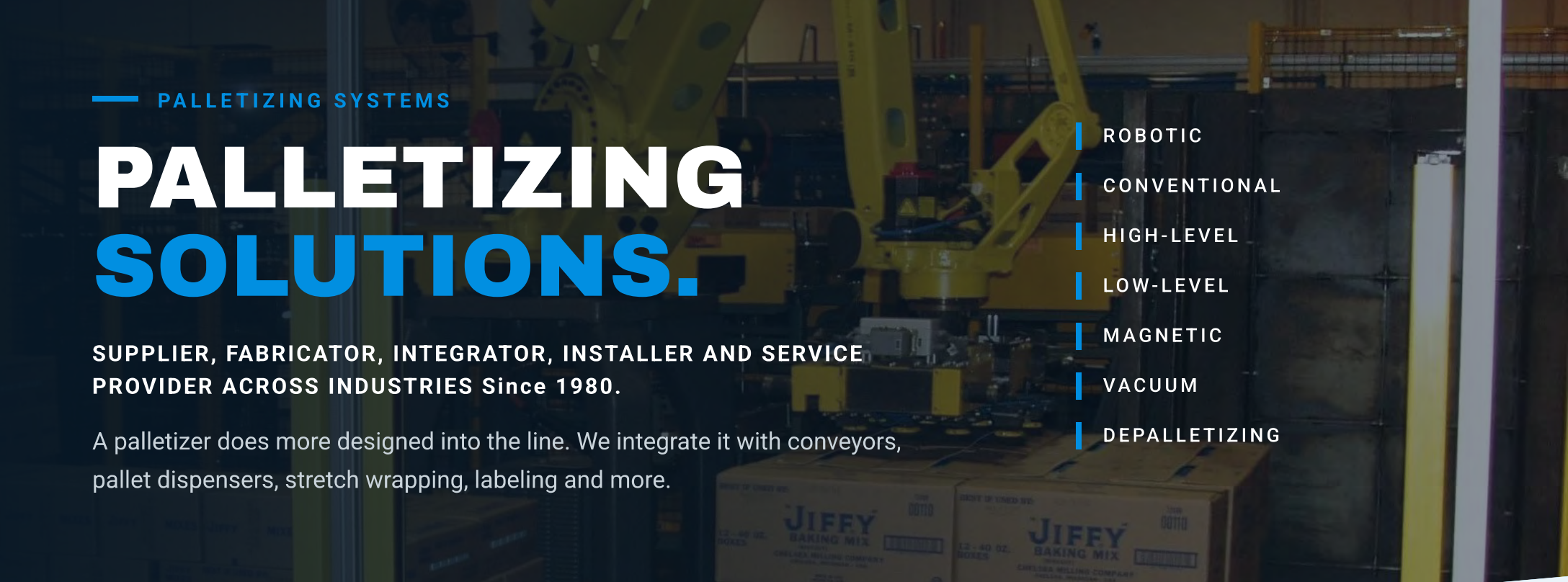
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INTEGRATION
Multiple technologies

SUPPORT
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PALLETIZING SYSTEMS

PALLETIZING SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

A palletizer does more designed into the line. We integrate it with conveyors, pallet dispensers, stretch wrapping, labeling and more.

- ROBOTIC
- CONVENTIONAL
- HIGH-LEVEL
- LOW-LEVEL
- MAGNETIC
- VACUUM
- DEPALLETIZING

WHAT THEY SOLVE:

MANUAL STACKING

Reduce the physical demands of repetitive palletizing while keeping loads consistent.

A BOTTLENECK AT END OF LINE

Automated palletizing keeps finished product moving as production rates increase.

CAPACITY WITHOUT A NEW BUILDING

Palletizing automation fits into your existing space and equipment.

CHOOSING THE TECHNOLOGY

Robotic, conventional, high-level, low-level, magnetic and vacuum systems, evaluated for you.

HEAVY, BULKY OR REPETITIVE LOADS

Automation takes on the repetitive lifting while keeping stacking consistent.

SEASONAL PEAKS

Handle increased output without scaling manual palletizing labor at the same rate.

COMMON INDUSTRIES

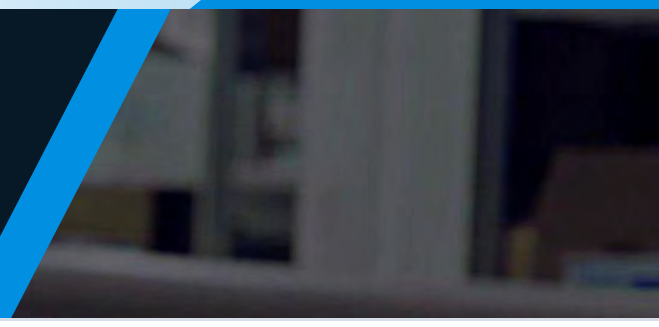
- Automotive
- Building Materials
- Chemical & Food
- Consumer Goods Manufacturing
- Corrugated Packaging
- Food & Beverage Processing
- Packaging & End-of-Line
- Tire & Wheel
- Cannabis Farms

OTHER INDUSTRIES WE SERVE

Aerospace · Car Wash · Distribution & Sortation · Ecommerce & Fulfillment · Electronics & Electrical · Fabricated Metal & Stamping · Finishing Systems · Greenhouses & Nurseries · Industrial Laundry · Integrators & Machine Builders · Manufacturing & Assembly · Medical Device Manufacturing · Pharmaceutical & Healthcare · Plastics & Injection Molding · Recycling · Warehousing & Logistics

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STRETCH WRAPPING.

IMPROVE END-OF-LINE EFFICIENCY WITH STRETCH WRAPPERS.

Our team implements stretch wrapping systems that deliver measurable increases in throughput.

Instead of relying on manual wrapping techniques that vary from pallet to pallet, the system applies a repeatable amount of stretch and tension based on the load. That consistency gets more pallets from each roll of stretch wrap while reducing film waste, and properly secured loads are less likely to shift or become damaged during storage and transportation.

- TURNTABLE WRAPPERS
- ROLL & COCOON WRAPPERS
- HORIZONTAL RING WRAPPER
- ROTATOR

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime

STRETCH WRAPPING

STRETCH WRAPPING SOLUTIONS.

- TURNTABLE WRAPPERS
- MANUAL, SEMI-AUTO OR AUTOMATIC
- HAZARDOUS LOCATION BUILD
- HORIZONTAL RING WRAPPER
- ROLL & COCOON WRAPPERS
- ROTATOR

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

A wrapper applies repeatable stretch and tension based on the load. We match the machine to your pallet volumes, load types and line.

WHAT THEY SOLVE:

FILM WASTE FROM HAND WRAPPING

A repeatable amount of stretch and tension gets more pallets from each roll of film.

LOADS THAT SHIFT IN TRANSIT

Properly secured pallets are less likely to shift or be damaged in storage and transport.

MORE CAPACITY, SAME TEAM

Increase end-of-line throughput without adding labor or overhauling your system.

COLD AND FREEZER STORAGE

Cold, freezer and corrosive environment options keep wrapping consistent.

HAZARDOUS LOCATIONS

A Class I, Division I, Group D wrapper, with an anti-static bar for the film.

ROLLS, NOT PALLETS

Roll and cocoon wrappers take rolls 24"–72" wide and 28"–60" in diameter, up to 4,000 lbs.

COMMON INDUSTRIES

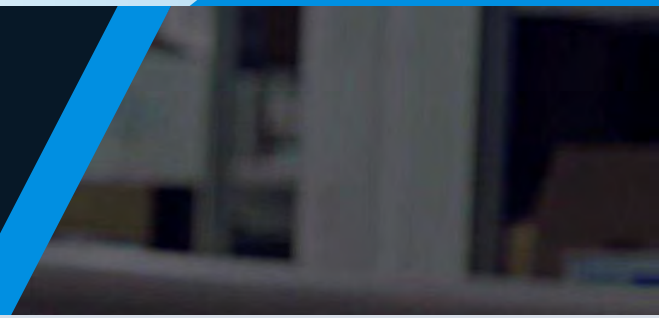
- Packaging & End-of-Line
- Consumer Goods Manufacturing
- Food & Beverage Processing
- Pharmaceutical & Healthcare
- Cold Storage

OTHER INDUSTRIES WE SERVE

Aerospace · Automotive · Building Materials · Cannabis Farms · Car Wash · Chemical & Food · Corrugated Packaging · Distribution & Sortation · Ecommerce & Fulfillment · Electronics & Electrical · Fabricated Metal & Stamping · Finishing Systems · Greenhouses & Nurseries · Industrial Laundry · Integrators & Machine Builders · Manufacturing & Assembly · Medical Device Manufacturing · Plastics & Injection Molding · Recycling · Tire & Wheel · Warehousing & Logistics

YOUR FIRST CALL FOR END-TO-END CONVEYOR SOLUTIONS

(800) 798-0410



STRETCH WRAPPING

STRETCH WRAPPING TYPES

Our team will help you find the right stretch wrapping system for your line.



TURNTABLE WRAPPERS

Manual to fully automatic, built around your loads.



HORIZONTAL RING WRAPPER

Automatic ring wrapping at up to 80 RPM.



ROLL & COCOON WRAPPERS

Wraps rolls 24"–72" wide, up to 4,000 lbs.



ROTATOR

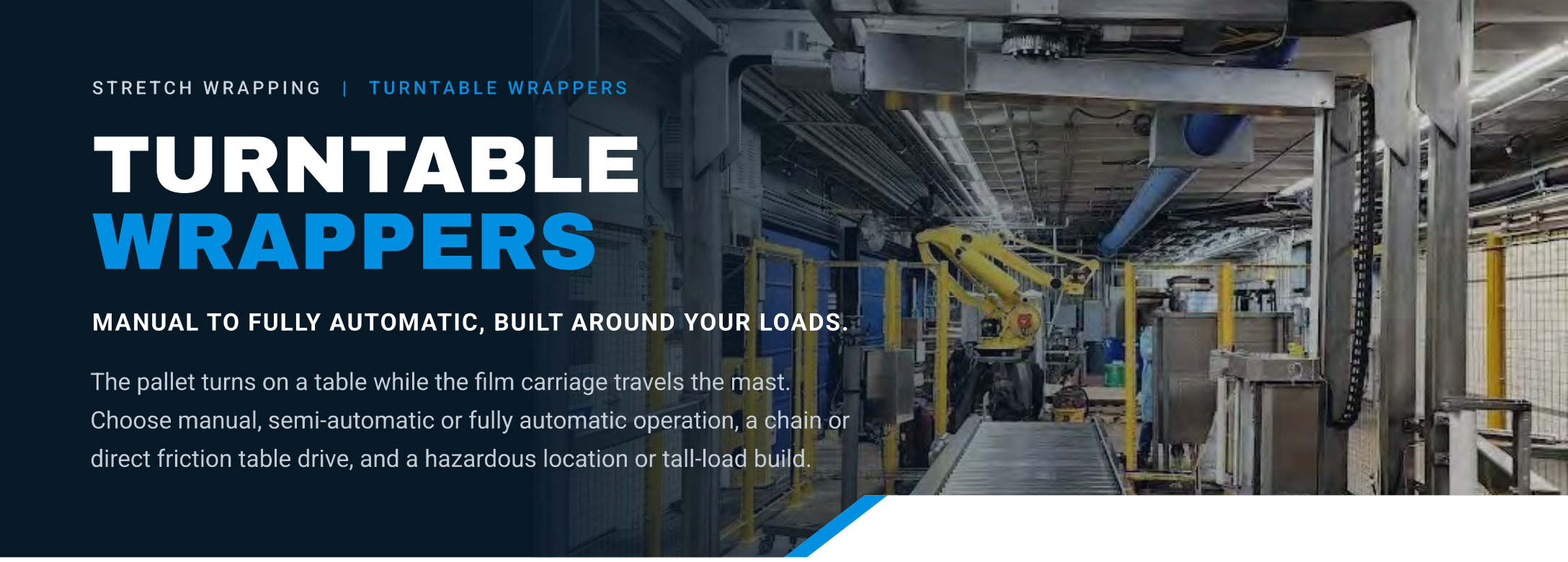
Rotates loads 180 degrees.

TALK TO A CONVEYABILITY ENGINEER

Tell us about your pallet volumes, load types and current wrapping process, and we'll help you find the right system for your line.

(800) 798-0410

TURNTABLE WRAPPERS



MANUAL TO FULLY AUTOMATIC, BUILT AROUND YOUR LOADS.

The pallet turns on a table while the film carriage travels the mast. Choose manual, semi-automatic or fully automatic operation, a chain or direct friction table drive, and a hazardous location or tall-load build.

FEATURES & BENEFITS

MANUAL, SEMI-AUTO OR AUTOMATIC

From a hand-operated carriage to touch screen control at up to 45 loads/hr.

CHAIN OR FRICTION DRIVE

A #50 ANSI heavy duty chain drive or a variable direct friction drive.

HAZARDOUS LOCATION BUILD

Class I, Div. I, Group D with NEMA 7&9 motors and an anti-static bar.

UP TO 96" WRAP HEIGHT

A tall-load build wraps windows and other light loads up to 96".



SPECIFICATIONS BY CONFIGURATION

Manual	40" table, 6 RPM; hand-operated carriage; 72" wrap; 1,500 lbs.; standard outlet
Semi-Auto, Chain	65" table, 12 RPM, chain drive; PLC control; 84" wrap; 4,000 lbs.; standard outlet
Semi-Auto, Friction	60" table, 0–12 RPM, direct friction drive; PLC control; 80" wrap; 4,000 lbs.
Automatic	52" x 81" table, 0–15 RPM, friction drive; touch screen and Ethernet; 80" wrap; 4,000 lbs.; 480 V
Hazardous Location	Class I, Div. I, Group D; 65" table; NEMA 7&9 motors; anti-static bar; 84" wrap; 4,000 lbs.
Tall Load	60" table, 0–16 RPM; 96" wrap; 1,000 lbs.; optional top platen foot switch
Throughput	20–40 loads/hr; automatic up to 45 (dependent on wraps and load)
Film	10" roll diameter capacity; 20" standard film width
Film Delivery	Core brake, variable tension, constant pre-stretch or powered pre-stretch
Structure	Structural steel tube, plate and bar meet ASTM-A36 or ASTM-A500; powder coat finish; fork lift portable

OPTIONS

- Turntable size
- Extended height or length
- Increased load capacity
- Ramp
- Pit mount
- Built-in scale and printer
- Cold, corrosive or freezer
- NEMA 12 enclosure
- 30" film width
- Touch screen and Ethernet
- Fork truck stop
- Fence, rail, light curtains

COMMON APPLICATIONS

- Replacing hand wrapping
- Pallet loads up to 4,000 lbs. and 84" tall
- Hazardous locations and tall, light loads

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Tell us about your pallet volumes, load types and current wrapping process, and we'll help you find the right system for your line.

(800) 798-0410



HORIZONTAL RING WRAPPER

AUTOMATIC RING WRAPPING AT UP TO 80 RPM.

An automatic horizontal ring wrapper with a fully guarded frame and interlocked access door. Ring speed runs up to 80 RPM based on ring size, with PLC and HMI control and conveyors sized to the load.

FEATURES & BENEFITS

UP TO 80 RPM
Ring speed up to 80 RPM, based on ring size.

FULLY GUARDED
A fully guarded frame with an interlocked access door.

PLC WITH HMI
A PLC controls all wrap functions, with an HMI and AC drives.

CONVEYORS SIZED TO LOAD
Infeed, outfeed, accumulation, lift and pop-up conveyors.



SPECIFICATIONS STANDARD CONFIGURATION

Ring Speed	Up to 80 RPM based on ring size
Load Weight	Dependent on conveyor capacity
Frame	Fully guarded frame with interlocked access door
Structure	Structural steel tube, plate and bar meet ASTM-A36 or ASTM-A500
Drive	AC motor with variable frequency drive
Controls	PLC with HMI; PLC controls all wrap functions; AC drives
Control Cabinet	NEMA 12 with quick disconnect
Film	10" roll diameter capacity; 12" standard film width
Hold-Down	Air hold-down, photo-eye activated (if applicable)
Finish	Powder coat
Electrical	480/3/60 Hz
Air	Clean, dry air, 3–5 CFM, 80 PSI
Conveyors	Accumulation, gravity, lift, product infeed, product outfeed and pop-up conveyors, sized to load dimensions
Conveyor Drives	Chains, belts, v-belts, rollers, etc.

OPTIONS

- Power requirements
- Cold, corrosive or freezer
- Fork truck stop
- Fence, rail, light curtains

COMMON APPLICATIONS

- Conveyorized end-of-line wrapping
- Lines with infeed, outfeed and accumulation conveyor
- Cold, corrosive or freezer areas (with option)

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Tell us about your pallet volumes, load types and current wrapping process, and we'll help you find the right system for your line.

(800) 798-0410



ROLL & COCOON WRAPPERS

WRAPS ROLLS 24"–72" WIDE, UP TO 4,000 LBS.

The roll turns in a powered cradle while the film carriage wraps it end to end. Choose semi-automatic operation, or a fully automatic, ring gear driven cocoon wrapper with optional auto film attach.

FEATURES & BENEFITS

ROLLS 24"–72" WIDE
Roll diameters from 28" to 60", up to 4,000 lbs.

SEMI-AUTO OR AUTOMATIC
A powered product roller, or ring gear driven fully automatic wrapping.

TOUCH SCREEN CONTROL
A PLC controls all wrap functions, with cradle rotation jog.

AUTO FILM ATTACH OPTION
Auto film attach and a key fob remote are available options.



SPECIFICATIONS STANDARD CONFIGURATION

Semi-Automatic	2 HP variable speed powered product roller; touch screen and PLC control
Automatic Cocoon	Ring gear driven, 1 HP variable speed drive; touch screen and PLC control
Speed	1–15 RPM
Throughput	20–30 loads/hr (dependent on wraps and load)
Roll Width	24"–72"
Roll Diameter	28"–60"
Load Capacity	4,000 lbs. maximum
Film	10" roll diameter capacity; 20" standard film width
Film Delivery	20" variable tension; automatic also 20" powered pre-stretch
Adjustments	Carriage speed; cradle rotation jog; variable cradle roller speed; film tension; soft start/stop
Controls	Photo-eye; AC drives; NEMA 12 cabinet with quick disconnect
Structure	Structural steel tube, plate and bar meet ASTM-A36 or ASTM-A500; powder coat finish; fork lift portable
Electrical	480/3/60 Hz
Air	Clean, dry air, 3–5 CFM, 80 PSI

OPTIONS

- Custom roll width
- Custom roll diameter
- Increased load capacity
- 30" and other film widths
- Built-in scale and printer
- Cold environment package
- Auto film attach
- Key fob remote
- Power requirements
- Fork truck stop
- Fence, rail, light curtains

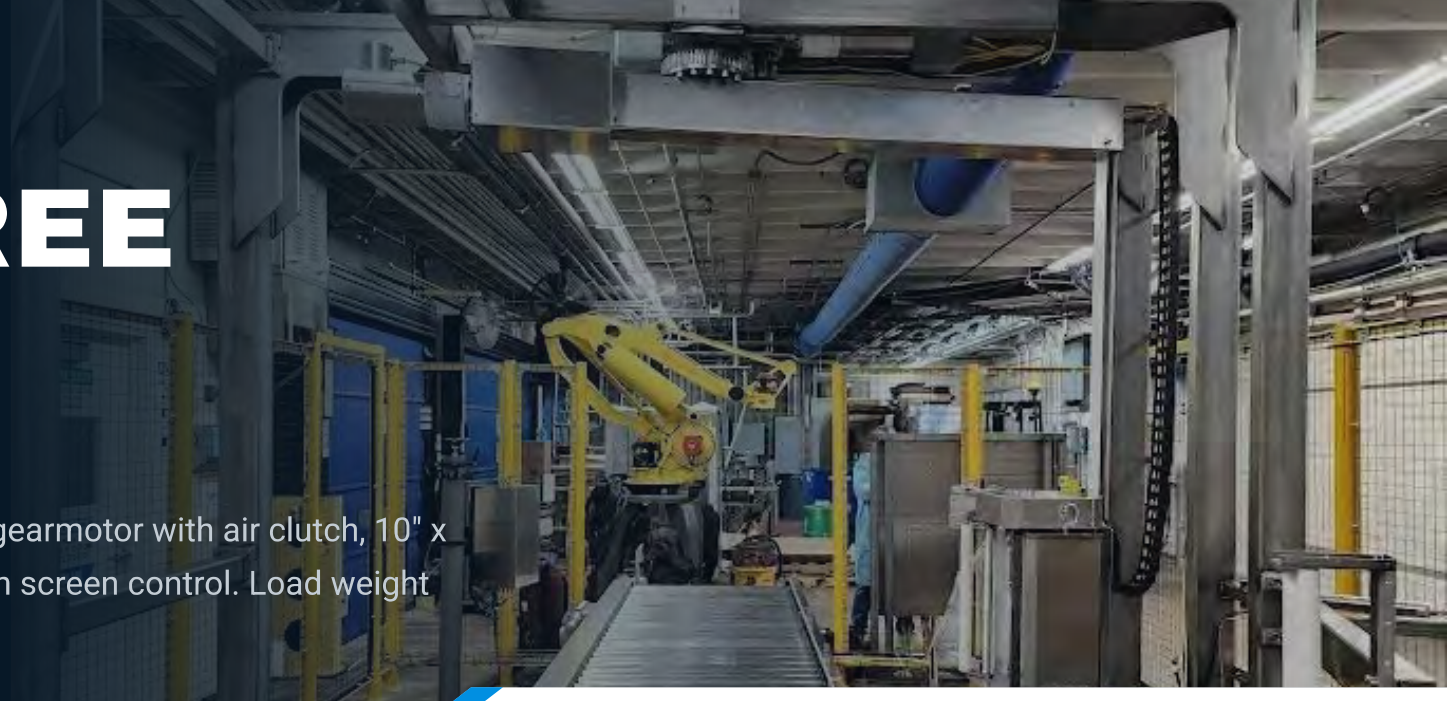
COMMON APPLICATIONS

- Rolls 24"–72" wide and 28"–60" in diameter
- Roll loads up to 4,000 lbs.
- Cold areas (with cold environment package)

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Tell us about your pallet volumes, load types and current wrapping process, and we'll help you find the right system for your line.

(800) 798-0410



180-DEGREE ROTATOR

ROTATES LOADS 180 DEGREES.

A 180-degree rotator with ball screws, a gearmotor with air clutch, 10" x 4" wide rotator wheels and PLC and touch screen control. Load weight depends on conveyor capacity.

FEATURES & BENEFITS

180-DEGREE ROTATION
Rotates loads 180 degrees; load weight depends on conveyor capacity.

GEARMOTOR & AIR CLUTCH
A gearmotor with air clutch, plus 1 1/2" ball screws and nut.

CHAIN-DRIVEN ROLLERS
2 1/2" OD, 11 ga. wall rollers with #40 sprockets and #40 chain.

TOUCH SCREEN CONTROL
A PLC controls all functions, with touch screen, sensors and AC drives.



SPECIFICATIONS STANDARD CONFIGURATION

Rotation	180 degrees
Load Weight	Dependent on conveyor capacity
Rollers	2 1/2" OD, 11 ga. wall, with #40 sprockets and #40 chain
Drive Motors	1/2 HP variable speed motor with AC variable speed drive and R/A reducer; 3 HP 480/3/60 Hz motor with R/A reducer
Gearmotor	Gearmotor with air clutch
Ball Screws	1 1/2" ball screws and nut
Chain	#50 o-ring chain; chain drive with double #50
Rotator Wheels	10" x 4" wide
Controls	PLC controls all functions; sensors; AC drives; touch screen; manual controls; electronic soft start/stop
Control Cabinet	NEMA 12 with quick disconnect
Structure	Structural steel tube, plate and bar meet ASTM-A36 or ASTM-A500
Finish	Powder coat
Electrical	480/3/60 Hz
Air	Clean, dry air, 3–5 CFM, 80 PSI

OPTIONS

- Increased load capacity
- Power requirements
- Fork truck stop
- Fence, rail, light curtains

COMMON APPLICATIONS

- Turning loads 180 degrees on a conveyor line

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Move Smarter, Produce More.

Conveyability engineers and integrates conveyor and material handling systems that reduce downtime, improve flow, maximize floor space and support the way your operation actually works.

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Conveyor & storage systems integrator — Grand Rapids, MI

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CONVEYOR AND STORAGE SYSTEMS

CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

ROBOTIC CELLS.

ROBOTICS INTEGRATOR FOR MATERIAL HANDLING.

Get the repetitive lift off your crew without a cell that fights your line.

Robots are the ideal tool for moving anything from point A to point B, over and over and over — and they're no longer just for high-volume plants. Conveyability works with established robotic suppliers and builds everything around the arm: the conveyors that feed it, the fixtures that position parts, the guarding that protects people, and the controls that make it all one system.

- PALLETIZING
- ELEVATED TRANSFER
- CELL & SYSTEM SOFTWARE
- MODULAR CELLS
- PART TRANSFER
- ROBOT CONTROL DESIGN
- PERIPHERAL EQUIPMENT
- ENCLOSURE CAGES

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

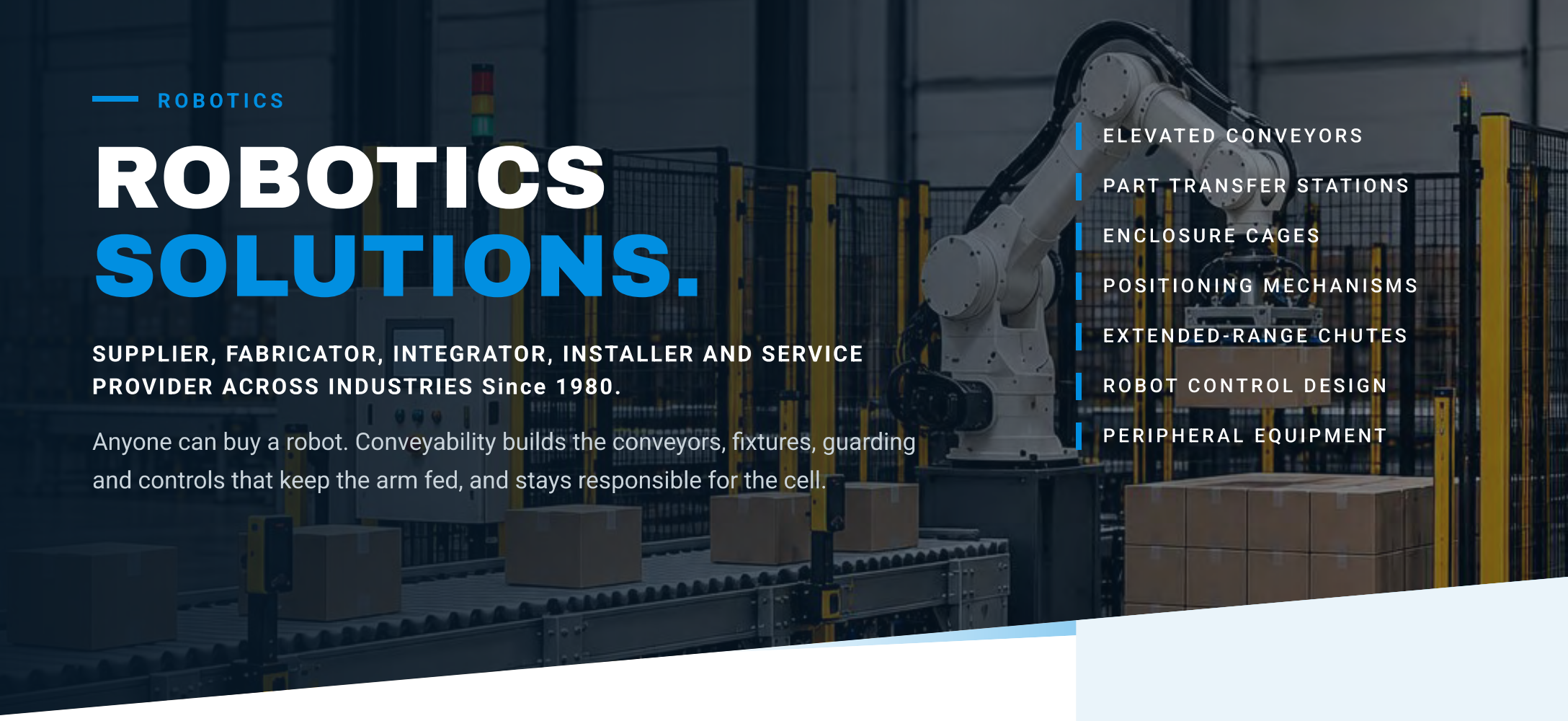
SUPPORT
Built for uptime

ROBOTICS

ROBOTICS SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

Anyone can buy a robot. Conveyability builds the conveyors, fixtures, guarding and controls that keep the arm fed, and stays responsible for the cell.



- ELEVATED CONVEYORS
- PART TRANSFER STATIONS
- ENCLOSURE CAGES
- POSITIONING MECHANISMS
- EXTENDED-RANGE CHUTES
- ROBOT CONTROL DESIGN
- PERIPHERAL EQUIPMENT

WHAT THEY SOLVE:

STACKING SHIFT AFTER SHIFT

The classic first robot, integrated with dispensers, conveyors and wrapping as one cell.

MOVING PARTS OVER AND OVER

Steady, repeatable handling between machines, stations and levels that doesn't get tired.

LIFTS BETWEEN ELEVATIONS

Precise positioning where hard automation would be inflexible and a person shouldn't be.

GUARDING AND SAFETY

Enclosure cages protect both the robot and workers, with interlocks in the controls.

A ROBOT WITH WEAK CONTROLS

Robot control system design for systems lacking sophisticated controls.

A PLANT TOO SMALL FOR A ROBOT

Probably not. Robots are moving into small and medium operations; the math is about the task.

COMMON INDUSTRIES

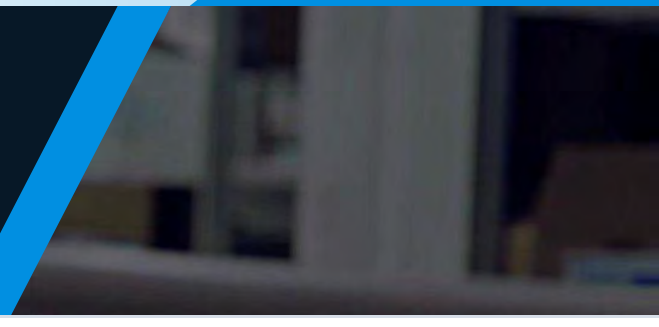
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CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

CONTROL SYSTEMS.

MODERN CONTROL SYSTEMS FOR INDUSTRIAL AUTOMATION.

We work with your equipment and facility to improve how your system operates, communicates and responds.

We are often brought into facilities to review their control systems and find that the equipment still has plenty of useful life left, even when the control system itself is outdated. Our team can replace obsolete PLCs, HMIs and other control components while integrating modern controls with your existing machinery, helping you improve reliability and add new capabilities without replacing an entire system.

- NEW CONVEYOR CONTROLS
- EQUIPMENT INTEGRATION
- CONTROL PANEL BUILDS
- TRACKING & ID SYSTEMS
- CONTROLS UPGRADES
- PLC PROGRAMMING
- CUSTOM SOFTWARE
- NETWORKS & SUPPORT

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime

CONTROL SYSTEMS

CONTROL SYSTEM SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

From control panels to equipment communications, Conveyability brings the electrical and software capabilities your system needs.

- PLC PROGRAMMING
- CONTROL PANEL BUILDS
- CUSTOM SOFTWARE
- BARCODE & VISION SYSTEMS
- LABEL PRINT & APPLY
- SORTATION & STRAPPING
- NETWORKS & 24-HR SUPPORT

WHAT THEY SOLVE:

OBSOLETE PLCS AND HMIS

Replace outdated control components and keep equipment that still has useful life left.

MACHINES THAT DON'T TALK

Conveyor controls tied to scanners, palletizers and packaging from multiple manufacturers.

UNSAFE SEQUENCES

Safety interlocks, automated checks and alarms catch problems earlier.

MANUAL LABELING AND ROUTING

Automate identification, routing, labeling and strapping to cut manual steps.

SURPRISES AT STARTUP

Control functionality is verified on our plant floor before shipment.

FAULTS BETWEEN VISITS

Remote support through VPN and modem access, plus 24-hour controls troubleshooting.

COMMON INDUSTRIES

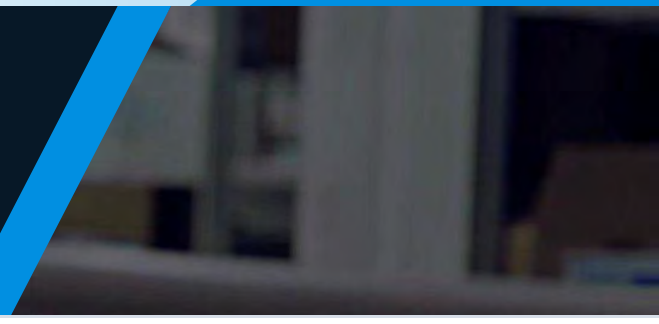
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- Greenhouses & Nurseries
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CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

PALLET HANDLING.

PALLET CONVEYOR SYSTEMS AND INTEGRATION.

Move pallets between stations without a forklift and a driver for every one.

Every routine pallet move that waits on a forklift is queue time, labor and one more chance for damage. Pallet conveyor turns the routine moves into flow: chain driven live roller (CDLR) and chain conveyor carry the loads, transfers change their direction, stackers and dispensers handle the empties, and staging lanes hold product where the next process wants it.

- PALLET CDLR
- PALLET CHAIN TRANSFERS
- DESTACKING & STACKING
- PALLET CHAIN DRAG
- PALLET TURNTABLES
- PALLET ACCUMULATION

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System design

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Custom solutions

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Trained crews

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Multiple technologies

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PALLET HANDLING

PALLET HANDLING SOLUTIONS.

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

A pallet system carries, turns, feeds and stages loads without a forklift in the loop. We engineer the whole path and build the odd pieces in-house.

- PALLET CDLR
- PALLET CHAIN DRAG
- PALLET CHAIN TRANSFERS
- PALLET TURNTABLES
- DESTACKING & STACKING
- PALLET ACCUMULATION

WHAT THEY SOLVE:

PALLETS WAITING ON A FORKLIFT

Conveyor turns routine pallet moves into flow, and the forklifts go back to the exceptions.

NO ROOM FOR A FORKLIFT TURN

Chain transfers and turntables turn pallets in place, not on a forklift's turning radius.

EMPTY PALLETS PILING UP

Dispensers meter empties one at a time; stackers collect them back into neat stacks.

A DOCK CHASING PRODUCT

Staging lanes hold finished pallets ahead of wrapping and shipping, so the dock pulls from a queue.

PALLETS IN ROUGH SHAPE

Bad bottom boards push the design from rollers toward drag chain. Bring us your worst pallets.

HEAVY EXCEPTIONS

Frames and drives are sized to your real pallet weights, including the heavy exceptions.

COMMON INDUSTRIES

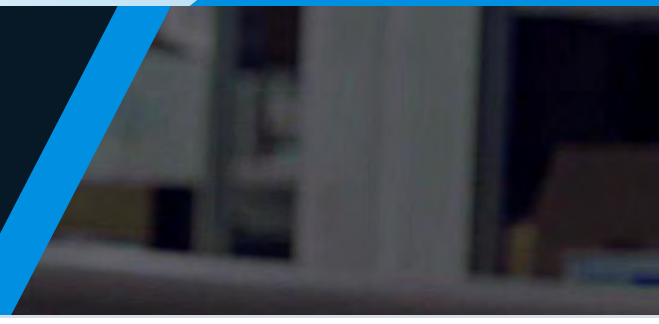
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PALLET HANDLING

PALLET HANDLING TYPES

Roller centers, chain strands, frame gauge and transfer style come from what your pallets actually look like.



PALLET CDLR

For extremely heavy, oversized or concentrated loads.



PALLET CHAIN DRAG

Twin chains pull rigid pallets steadily along.



PALLET CHAIN TRANSFERS

Right-angle pallet moves without wide turning curves.



PALLET TURNTABLES

Turn pallets in place and stop at set positions.



DESTACKING & STACKING

Feeds empties one at a time; builds stacks back up.



PALLET ACCUMULATION

Buffer pallets without back pressure.

TALK TO A CONVEYABILITY ENGINEER

Conveyability engineers the whole pallet path and builds the odd pieces in-house.

(800) 798-0410

CHAIN DRIVEN LIVE ROLLER



FOR EXTREMELY HEAVY, OVERSIZED OR CONCENTRATED LOADS.

Chain driven live roller (CDLR) conveyor for extremely heavy unit loads, with heavy wall rollers, larger chain sizes and a reinforced frame and supports for rugged service over extended cycles.

FEATURES & BENEFITS

HEAVY WALL ROLLERS
3-1/2" dia. x .300 wall steel tread rollers.

NO. 60 OR NO. 80 CHAIN
Roller-to-roller chain drive, completely enclosed along the full length.

STRUCTURAL STEEL FRAME
6" and 8" structural steel frame, with couplings and floor supports.

REVERSIBLE CENTER DRIVE
Side or underside mounted reversible drive on heavy duty ball bearings.



SPECIFICATIONS STANDARD CONFIGURATION

Conveying Surface	35", 41", 47", 53", 59"
Between Frame	39", 45", 51", 57", 63"
Tread Rollers	3-1/2" dia. x .300 wall steel, with sprockets
Roller Centers	6" with No. 60 chain; 7-1/2" and 12" with No. 80 chain
Chain Drive	Roller to roller with No. 60 or No. 80 roller chain
Chain Guard	Chain drive completely enclosed along the entire length of the conveyor
Center Drive	Reversible, side or underside mounted (specify); main drive roller on heavy duty ball bearing units
Bearings	Removable type, heavy duty ball bearings, zinc-plated, grease packed, labyrinth sealed
Speed	35 FPM, constant
Bed / Frame	6" at 8.2 lbs. and 8" at 11.5 lbs. structural steel; couplings and floor supports
Motor Drive	3/4 HP, 230/460/3, 60 cycle right angle gear motor
Bed Lengths (6"/12" RC)	Intermediate sections 3'-0" to 10'-0" in 1' steps; overall 5'-0" min. with drive, 80'-0" max.
Bed Lengths (7-1/2" RC)	Intermediate sections 3'-1-1/2" to 10'-0" in 7-1/2" steps; overall 5'-0" min. with drive, 80'-0" max.

OPTIONS

Speed | Motors | Floor Supports | Undertrussed Bed | Ceiling Hangers | Guard Rails | Controls

COMMON APPLICATIONS

- Pallet handling lines
- Drum conveying systems
- 90° transfers onto or off of conveyor lines
- Accumulation zones with controlled indexing
- Dirty or oil-exposed operating areas
- Washdown, freezer and oven environments

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Conveyability engineers the whole pallet path and builds the odd pieces in-house.

(800) 798-0410

CHAIN DRAG CONVEYORS



TWIN CHAINS PULL RIGID PALLETS STEADILY ALONG.

A 2-strand chain drag conveyor moves rigid unit loads such as pallets and specialty tote pans, pulling them on twin continuous chains guided through a wear-resistant UHMW rail system.

FEATURES & BENEFITS

NO. 80 RIVETED CHAIN
Twin strands of No. 80 riveted roller chain carry the load.

UHMW WEAR STRIPS
Long-lasting UHMW wear strips, upper and lower.

UP TO 3,000 LBS.
Unit loads up to 3,000 lbs. on a 7 ga. formed boxed channel frame.

HANDLES ROUGH PALLETS
Bad bottom boards push the design from rollers toward drag chain.



SPECIFICATIONS STANDARD CONFIGURATION

Bed / Frame	7 ga. formed boxed channel
Carrier Chain	No. 80 riveted roller chain
Wear Strip	UHMW long lasting wear strip, upper and lower
Chain Take-Up	Screw type, located at tail end
End Drive	One-direction operation; optional center drive for reversible applications
Chain Speed	35 FPM constant
Bearings	Heavy duty lubricated ball bearing units with cast iron housings
Capacity	Unit load not to exceed 3,000 lbs.
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor

OPTIONS

Strand Count | Structural Construction | Floor Supports | Chain Speed | Motors | Controls

COMMON APPLICATIONS

- Pallet transport and accumulation
- Load transfers between conveyor lines
- Indexing and positioning at workstations
- Staging before wrapping or strapping
- Controlled movement through inspection zones

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PALLET CHAIN TRANSFERS

RIGHT-ANGLE PALLET MOVES WITHOUT WIDE TURNING CURVES.

A heavy duty 3-strand chain transfer with larger No. 80 flat side bar chain for rigidity, redirecting pallets or unit loads at right angles where space prevents wide turning curves.

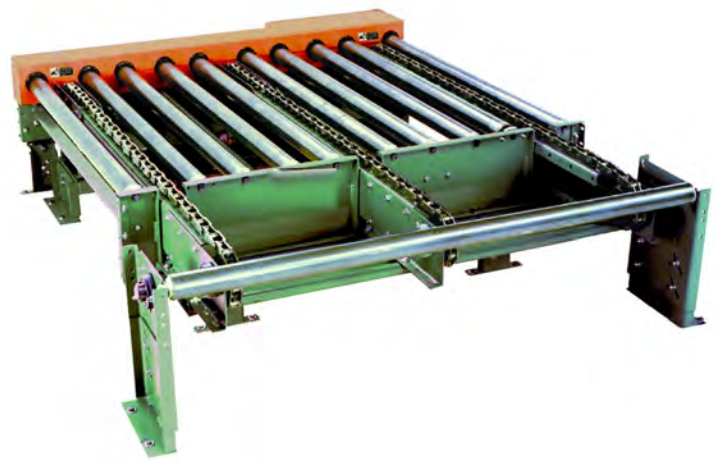
FEATURES & BENEFITS

NO. 80 FLAT SIDE BAR CHAIN
Larger chain for rigidity in heavy duty material handling.

3,000 LBS. CAPACITY
Rated for 3,000 lbs., built with industrial grade bearings and housings.

PIVOT OR POSITIVE LIFT
Pneumatic lift moves the chain strands into position.

END OR CENTER DRIVE
End drive for one direction; optional center drive for reversing.



SPECIFICATIONS STANDARD CONFIGURATION

Transfer Arm	7 ga. formed channel
Transfer Chain	No. 80 flat side bar chain
Standard Lengths	3', 4', 5', 6', 7' and 8' unit lengths
Chain Centers	18"
Chain Take-Up	Screw type
End Drive	One-direction operation; optional center drive for reversible applications
Lift	Pivot type
Bearings	Heavy duty, lubricated ball bearing units with cast iron housings
Chain Speed	35 FPM constant
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Capacity	3,000 lbs.
Air Controls	Air bag(s) with single solenoid valve; 60 to 80 PSI required
Cutouts	Required through conveyor frame transfer mounts with end drive; may be required with center drive

OPTIONS

Strand Count | Positive Lift | FRL | Floor Supports | Chain Center | Chain Speed | Motors | Controls

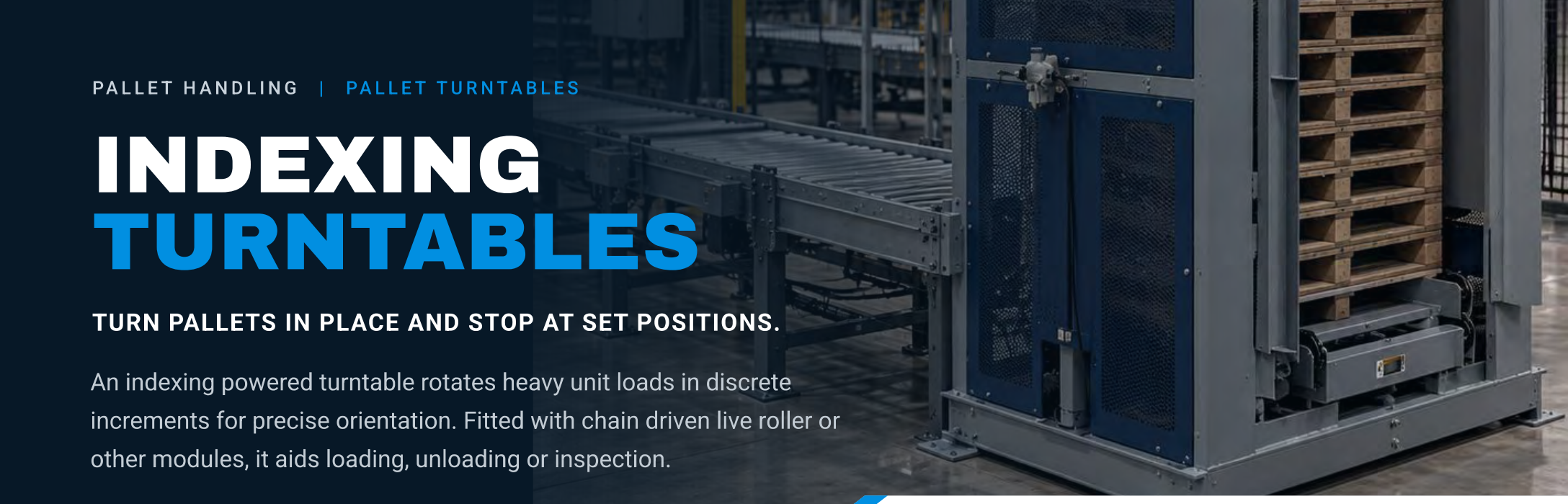
COMMON APPLICATIONS

- Right-angle transfers between parallel conveyor runs
- Product routing to multiple downstream lines
- Pallet turning or reorienting within a conveyor cell
- Carton diverting in accumulation or sortation areas
- Controlled transfers in limited floor space layouts

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability engineers the whole pallet path and builds the odd pieces in-house.

(800) 798-0410



INDEXING TURNTABLES

TURN PALLETS IN PLACE AND STOP AT SET POSITIONS.

An indexing powered turntable rotates heavy unit loads in discrete increments for precise orientation. Fitted with chain driven live roller or other modules, it aids loading, unloading or inspection.

FEATURES & BENEFITS

4,000 LBS. PRODUCT LOAD
Rated for 4,000 lbs. on a 3" structural platform with 1/2" steel plate.

2, 3 OR 4 POSITIONS
Indexes to 2, 3 or 4 stops, with a limit switch at each position.

3' TO 8' DIAMETERS
Standard diameters from 3'-0" to 8'-0" in 6" steps.

LOW ELEVATION
Minimum 12-1/2" to top of plate on (4) structural leveling supports.



SPECIFICATIONS STANDARD CONFIGURATION

Rotation	2 position, 3 position or 4 position
Speed	35 FPM at outside diameter
Chain Drive	No. 80 roller chain
Chain Guard	Chain drive completely enclosed
Casters	(8) 4" dia. heavy duty rubber-covered casters support the carrier platform
Diameter	3'-0", 3'-6", 4'-0", 4'-6", 5'-0", 5'-6", 6'-0", 6'-6", 7'-0", 7'-6" and 8'-0" dia.
Carrier Platform	3" structural platform with 1/2" thick steel plate on heavy duty casters
Bearings	Heavy duty ball bearing, 4-hole flange
Capacity	4,000 lbs. max. product load
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Elevation	Minimum 12-1/2" to top of plate with (4) structural leveling supports
Electrical Controls	One limit switch per position (2, 3 or 4 positions)

Custom heavy duty indexing turntables have been built for pallets up to 5,000 lbs.

OPTIONS

Diameter | Elevation | Floor Supports | Speed | Motors | Controls

COMMON APPLICATIONS

- Pallet reorientation at merge or transfer points
- Direction changes between perpendicular lines
- Load positioning for automated processing or storage
- Accumulation and release control in pallet systems
- Transitions within space-limited layouts

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DESTACKERS & STACKERS



FEEDS EMPTIES ONE AT A TIME; BUILDS STACKS BACK UP.

Heavy duty pallet destackers provide reliable automated pallet separation with minimal operator involvement. Product stackers clamp and raise each product so the next one can enter beneath it.

FEATURES & BENEFITS

STAGES 15 PALLETS
The infeed stages up to 15 stacked pallets, loaded from the rear by forklift.

35 FPM DISPENSING
A pneumatic lift and clamp dispenses pallets one at a time at 35 FPM.

DUAL CHAIN DRAG
Heavy duty dual chain drag and discharge guides keep pallet orientation.

PRODUCT STACKING
Clamps and raises each product, then lowers it onto the next to build a stack.



SPECIFICATIONS PUBLISHED FEATURES

Infeed	Stages up to 15 stacked pallets, loaded from the rear, with forklift alignment guides
Dispensing	Pneumatic lift and clamping mechanism dispenses pallets individually at 35 FPM
Conveyor	Heavy duty dual chain drag conveyors
Discharge	Alignment guides keep pallet orientation consistent and reduce manual handling
Product Stacker	Side-mounted mechanism clamps and raises product so the next product can enter
Stacker Conveyor	Chain drag conveyor

No standard spec table is published for either machine. Ask us for data for your application.

COMMON APPLICATIONS

- Building uniform stacks of products or containers
- Separating pallets for automated pallet handling
- Feeding products into packaging or processing lines
- Accumulating items prior to storage or shipment
- Managing infeed and discharge of stacked loads
- Supporting automated material handling workflows

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ZERO-PRESSURE ACCUMULATION



BUFFER PALLETS WITHOUT BACK PRESSURE.

Heavy duty chain driven zero pressure accumulation for pallets, larger containers and dense packages. Photoelectric sensors detect each zone without minimum weight activation.

FEATURES & BENEFITS

PHOTO-EYE ZONES
Sensor-controlled zones, with no minimum weight activation.

5' ZONE LENGTHS
5'-0" zones with zone singulation operation and air clutch control.

3,000 LB. PALLET LOADS
1,000 lbs./ft., up to a maximum 3,000 lb. pallet load.

CHAIN DRIVE TRACTION
Chain drive delivers robust traction across broader loads and longer runs.



SPECIFICATIONS STANDARD CONFIGURATION

Between Frame	15", 21", 27", 33", 39", 45", 51", 54", 57", 63"
Conveying Surface	12", 18", 24", 30", 36", 42", 48", 51", 54", 60"
Tread Rollers	2.5" dia. x 11 ga.
Chain Drive	Roller-to-roller No. 40 roller chain; zone-to-zone No. 60 roller chain
Chain Guard	All chains completely enclosed along the entire length of conveyor
Center Drive	Side or underside mounted (specify); drive shafts on heavy duty ball bearing units
Roller Centers	4" or 6" only
Speed	35 FPM, constant
Accumulation Zone	5'-0" zones, zone singulation, photoelectric sensor controlled, air clutch (60 PSI max.)
Bed / Frame	7-1/2" x 1-1/2" x 7 ga. and 5" x 1-1/2" x 7 ga. formed steel channel; bolted butt couplings
Bearings	Removable type, heavy duty ball bearings, zinc-plated, grease packed, labyrinth seal
FRL	Filter, regulator and lubricator with 3/8" ports for 60 PSI operating pressure
Motor Drive	1/2 HP, 230/460/3, 60 cycle right angle gear motor
Capacity	1,000 lbs./ft. up to a maximum of 3,000 lb. pallet load

OPTIONS

- Zone Lengths
- Bed Size
- Tread Rollers
- Floor Supports
- Speed
- Motors

COMMON APPLICATIONS

- Product buffering between processes
- Merging and singulation of cartons or totes
- Buffering before sortation, labeling or inspection
- Controlled release into packaging or palletizing
- Staging product for shipping and order fulfillment

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READY TO LAUNCH A NEW LINE OR FIND MORE CAPACITY IN YOUR FACILITY?

Move Smarter, Produce More.

Conveyability engineers and integrates conveyor and material handling systems that reduce downtime, improve flow, maximize floor space and support the way your operation actually works.

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Conveyor & storage systems integrator — Grand Rapids, MI

Conveyability
CONVEYOR AND STORAGE SYSTEMS

CONVEYOR SYSTEMS · MATERIAL HANDLING · INTEGRATION

LOADING & UNLOADING.

TELESCOPIC CONVEYOR SYSTEMS AND INSTALLATION.

Load and unload a trailer without a crew carrying cases in by hand.

Floor-loaded trailers get worked the hard way in most buildings: walk in, pick up, walk out, repeat. A telescopic belt conveyor extends into the trailer as it's worked, so cartons ride out on a belt instead of on people — and the dock flow behind it keeps freight moving instead of piling on the floor.

- TELESCOPIC BELT
- TRUCKLOADERS
- MOBILE BELTED LOADER
- RIGID DRIVE-OUT
- TWO-STAGE TRUCKLOADER
- LOADING ACCESSORIES

ENGINEERING
System design

FABRICATION
Custom solutions

INSTALLATION
Trained crews

INTEGRATION
Multiple technologies

SUPPORT
Built for uptime

LOADING & UNLOADING

DOCK CONVEYOR SOLUTIONS.



- TELESCOPIC BELT
- RIGID DRIVE-OUT
- TRUCKLOADERS
- TWO-STAGE TRUCKLOADER
- MOBILE BELTED LOADER
- LOADING ACCESSORIES

SUPPLIER, FABRICATOR, INTEGRATOR, INSTALLER AND SERVICE PROVIDER ACROSS INDUSTRIES Since 1980.

Unloading is step one of receiving. We design the dock conveyor and the system behind it together, matched to your doors, ceiling and flow.

WHAT THEY SOLVE:

UNLOADING FLOOR-LOADED TRAILERS

Cartons transfer to the belt at the pile and ride out. The crew stays at the face of the freight.

LOADING OUTBOUND TRAILERS

The boom carries product to the load face, so trailers get stacked tight and fast with less carrying.

FLUID AND PALLETIZED FREIGHT

Telescopics own fluid, floor-loaded freight; pallets stay forklift work. The layout should do both.

DOORS WITH OCCASIONAL FLUID LOADS

Expandable flexible conveyor often does the job at a fraction of the cost of a telescopic boom.

A FAST BOOM FEEDING A DEAD END

Takeaway conveyor, scanning and sortation behind the dock keep freight moving instead of piling.

HIGH-IMPACT, MULTI-SHIFT DOCKS

Rigid drive-outs and two-stage loaders are built for heavy volume, forklift traffic and long shifts.

COMMON INDUSTRIES

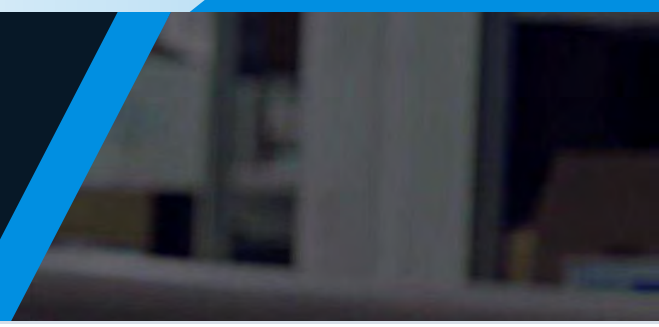
- Ecommerce & Fulfillment
- Warehousing & Logistics
- Distribution & Sortation

OTHER INDUSTRIES WE SERVE

Aerospace · Automotive · Building Materials · Cannabis Farms · Car Wash · Chemical & Food · Consumer Goods Manufacturing · Corrugated Packaging · Electronics & Electrical · Fabricated Metal & Stamping · Finishing Systems · Food & Beverage Processing · Greenhouses & Nurseries · Industrial Laundry · Integrators & Machine Builders · Manufacturing & Assembly · Medical Device Manufacturing · Packaging & End-of-Line · Pharmaceutical & Healthcare · Plastics & Injection Molding · Recycling · Tire & Wheel

YOUR FIRST CALL FOR END-TO-END CONVEYOR SOLUTIONS

(800) 798-0410



LOADING & UNLOADING

DOCK CONVEYOR TYPES

High-volume doors that live on floor-loaded freight justify a telescopic boom; occasional fluid loads may not.



TELESCOPIC BELT

Extends to the nose of the trailer, retracts flush.



RIGID DRIVE-OUT

Built for heavy-volume, high-impact, multi-shift docks.



TRUCKLOADERS

Extend into the trailer to cut the carry distance.

ALSO AVAILABLE

Battery Gravity Accumulating Powered



TWO-STAGE TRUCKLOADER

Built for docks with heavy forklift traffic.



MOBILE BELTED LOADER

Power assist that pulls and pushes flexible conveyor.



LOADING ACCESSORIES

Faster, easier, safer moves in and out of trucks.

ALSO AVAILABLE

Impact Cart

TALK TO A CONVEYABILITY ENGINEER

Conveyability designs dock conveyor into the receiving and shipping flow so trailer time stops setting the pace of the building.

(800) 798-0410



TELESCOPIC BELT CONVEYORS

EXTENDS TO THE NOSE OF THE TRAILER, RETRACTS FLUSH.

Telescopic belt conveyors are built for productivity in large-volume shipping and receiving at any type of distribution center, with a VFD-controlled belt drive for smooth starts and stops.

FEATURES & BENEFITS

SMOOTH STARTS AND STOPS
A VFD-controlled belt drive starts and stops smoothly; 60–120 FPM standard.

EXTENDS UP TO 95'
14' to 30' contracted, extending to 34' to 95' into the trailer.

4,000 LBS. LIVE LOAD
50 lbs./ft. load capacity, with up to 4,000 lbs. of live load.

LOADS AND UNLOADS
The same boom carries product to the load face for tight, fast outbound stacking.



SPECIFICATIONS STANDARD CONFIGURATION

Load Capacity	50 lbs./ft.
Max Live Load	4,000 lbs.
Belt Width	18", 24", 30" or 36"
Belt Type	2-ply PVC
Belt Drive	3 or 5 HP
Standard Belt Speed	Variable, 60–120 FPM
Optional Belt Speed	Variable, 80–160 FPM
Extension Motor	1 HP gear motor
Extension Speed	45 FPM
Length (Contracted)	14' to 30'
Length (Extended)	34' to 95'
Power	480 VAC
Interlock Signals	Belt enable and status; e-stop enable and status
Construction	One-piece formed side pressings

OPTIONS

- Removable Operator Platform
- Swivel Snout
- Robotic Loader
- Traversing Conveyor
- Human Machine Interface
- Herringbone Transition
- Light Pole
- Raised Bed Transfer
- Direct or Pole-Mounted Fan
- Fused Electrical Disconnect

COMMON APPLICATIONS

- Warehouse and distribution centers
- E-commerce
- Parcel post
- Retail
- Third-party logistics
- Tire handling

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RIGID DRIVE-OUT CONVEYORS



BUILT FOR HEAVY-VOLUME, HIGH-IMPACT, MULTI-SHIFT DOCKS.

Rigid drive-out conveyors move packages from permanent conveyor into trailers with optimal ergonomics and little operator effort, built for heavy-volume, high-impact work around the clock.

FEATURES & BENEFITS

DRIVES INTO THE TRAILER
Reaches from a permanent conveyor all the way into a trailer with ease.

ZONED ACCUMULATION
The powered roller bed accumulates in 40" to 49" zones.

POWERED TRAVERSING
A 1.5 HP traversing drive moves the unit at 60 FPM, with 10° of steering.

STRUCTURAL CHANNEL BASE
A structural channel base on 16" solid rubber tires, 37' to 62' long.



SPECIFICATIONS STANDARD CONFIGURATION

Load Capacity	100 lbs./ft.
Max Live Load	1,000 lbs.
Accumulation Zones	40" to 49"
Rollers	1.9" dia. x 16 ga. zinc-plated steel, precision bearings, 29" wide
Axle Centers	3" or 4.5"
Roller Motors	DC variable speed, 0–120 FPM
Optional Roller Motors	DC variable 0–200 FPM, or AC fixed 120 FPM
Traversing	1.5 HP gear motor, 60 FPM
Steering	10° left to right
Conveyor Width	36"
Conveyor Length	37' to 62'
Infeed/Discharge Height	38" / 30" standard
Tires	16" solid rubber
Power	480 or 230 VAC

Also built with a belt bed: 24" or 30" belt, 2 HP drive, 38' to 65' long, 1,000 lbs. live load.

OPTIONS

Herringbone Transition | Wheel Guards | Fan | Light | Fused Electrical Disconnect | Full Line Read Kit

COMMON APPLICATIONS

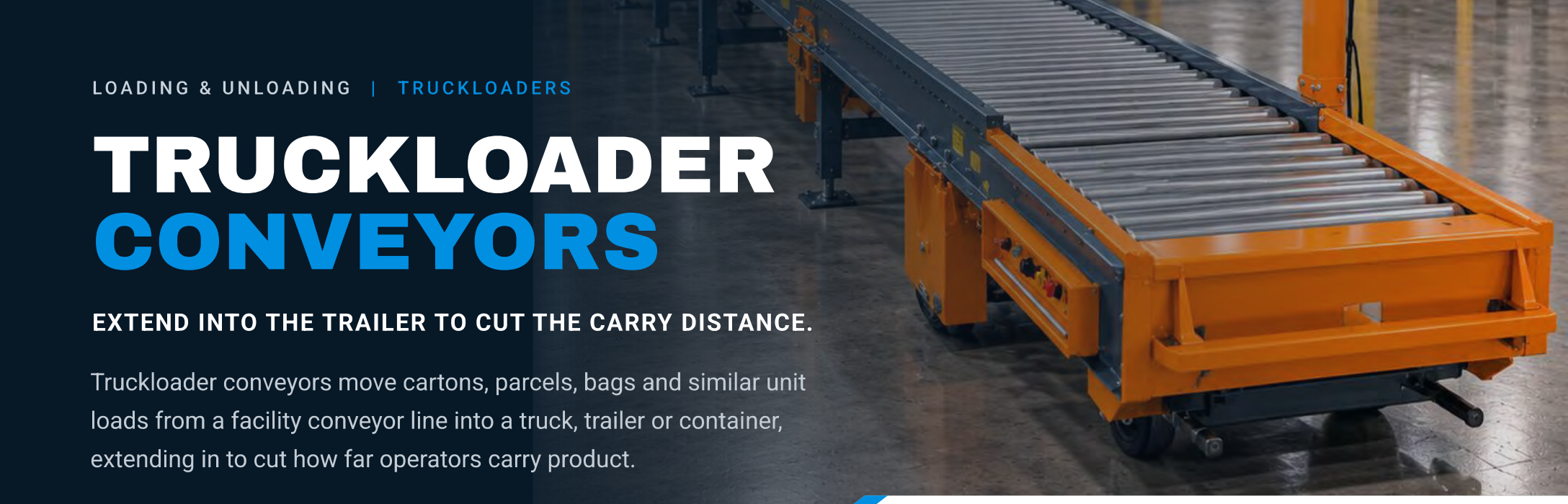
- Warehouse and distribution centers
- E-commerce
- Parcel post
- Retail
- Third-party logistics
- Manufacturing and packaging

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Conveyability designs dock conveyor into the receiving and shipping flow so trailer time stops setting the pace of the building.

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TRUCKLOADER CONVEYORS



EXTEND INTO THE TRAILER TO CUT THE CARRY DISTANCE.

Truckloader conveyors move cartons, parcels, bags and similar unit loads from a facility conveyor line into a truck, trailer or container, extending in to cut how far operators carry product.

FEATURES & BENEFITS

TELESCOPING REACH
Two-stage telescoping truckloaders run up to 64' long.

3,000 LBS. LIVE LOAD
100 lbs./ft. load capacity with a 3,000 lbs. maximum live load.

GUIDED AND STEERED
A floor-mounted guide track is included, with 6° of left-to-right steering.

GRAVITY TO ACCUMULATING
Battery-powered gravity, two-stage and accumulating powered roller units.



ALSO AVAILABLE



BATTERY GRAVITY
Battery-powered telescoping gravity, to 50'.



ACCUMULATING POWERED
Buffers product while loading; up to 64'.

SPECIFICATIONS STANDARD CONFIGURATION

Load Capacity	100 lbs./ft.
Max Live Load	3,000 lbs.
Rollers	1.9" dia. heavy-duty 16 ga. zinc-plated steel
Axle Centers	3" standard, 2" optional
Traversing Motor	1.5 HP gear motor
Traversing Speed	45 FPM
Steering	6° (3° left, 3° right)
Infeed Width	32", 35" or 37" common
Discharge Width	28", 31" or 33" common
Length	Up to 64'
Infeed/Discharge Height	54" / 26"
Tires and Casters	18" solid rubber tires; 10" rigid infeed casters
Guide Track	Floor-mounted guide included
Power	480 VAC standard, 230 VAC optional

Specs shown for the two-stage telescoping truckloader.

OPTIONS

- Herringbone Transition
- Fan & Light Stand
- Fused Electrical Disconnect
- Upstream Operator Controls
- Sealed Precision Bearings

COMMON APPLICATIONS

- Loading cartons and parcels into trailers
- Feeding sortation into outbound trailers
- Container and trailer loading
- Bag or case loading from packaging lines
- Cross docking, inbound to outbound trucks
- Trailer unloading in receiving

Specifications shown are for standard configurations and may change without notice. Confirm current details with Conveyability before specifying or ordering.

Conveyability designs dock conveyor into the receiving and shipping flow so trailer time stops setting the pace of the building.

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RIGID TWO-STAGE TRUCKLOADERS



BUILT FOR DOCKS WITH HEAVY FORKLIFT TRAFFIC.

A two-piece telescoping conveyor built to withstand punishment in shipping areas with a high degree of forklift traffic or other collision obstacles, on a 10" structural steel channel frame.

FEATURES & BENEFITS

BUILT FOR FORKLIFT TRAFFIC
Withstands punishment in shipping areas with forklifts and collision obstacles.

VERY FEW MOVING PARTS
A 10" structural steel channel framework with very few moving parts.

UP TO 64' LONG
A two-piece telescoping conveyor up to 64' long.

6° STEERING
Powered traversing at 45 FPM, with 6° of left-to-right steering.

SPECIFICATIONS STANDARD CONFIGURATION

Rollers	1.9" dia. heavy-duty 16 ga. zinc-plated steel
Axle Centers	3" standard, 2" optional
Traversing Motor	1.5 HP gear motor
Traversing Speed	45 FPM
Steering	6° left to right
Conveyor Width	Infeed end 35"; discharge end 31"
Conveyor Length	Up to 64'
Infeed Height	54" standard
Discharge Height	26" standard
Tires	18" solid rubber
Power	480 or 230 VAC
Construction	Structural channel base

OPTIONS

- Herringbone Transition
- Fan & Light Stand
- Fused Electrical Disconnect
- Upstream Operator Controls
- Sealed Precision Bearings

COMMON APPLICATIONS

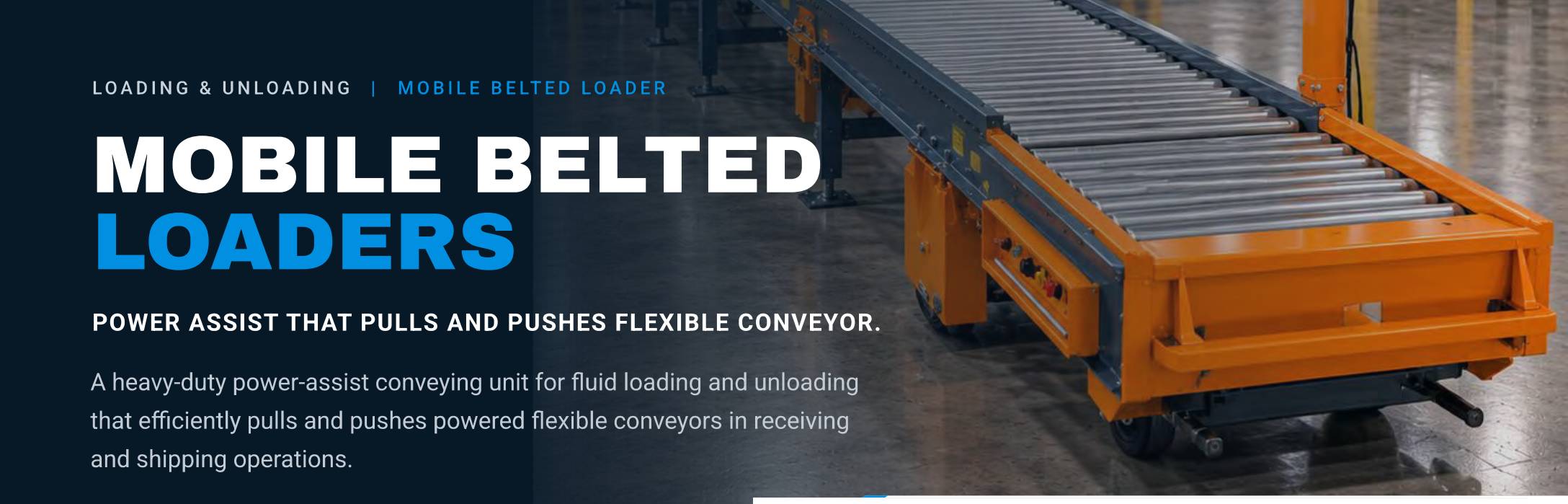
- Warehouse and distribution centers
- E-commerce
- Parcel post
- Third-party logistics

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MOBILE BELTED LOADERS



POWER ASSIST THAT PULLS AND PUSHES FLEXIBLE CONVEYOR.

A heavy-duty power-assist conveying unit for fluid loading and unloading that efficiently pulls and pushes powered flexible conveyors in receiving and shipping operations.

FEATURES & BENEFITS

SNOUT FROM 1' TO 5'
Snout elevation adjusts from 1' to 5' above the floor.

HIGH-GRIP RIB BELT
A 30" high-grip, longitudinal rib belt running 60 to 120 FPM.

POWERED TRAVEL
A 1.5 HP drive motor travels the unit at 0 to 45 FPM on 14" solid rubber tires.

120 V POWER
Runs on a dedicated 120 V, 30 amp circuit.



SPECIFICATIONS STANDARD CONFIGURATION

Load Capacity	50 lbs./ft.
Max Live Load	600 lbs.
Length	12'
Width	31.25"
Snout Elevation Range	1' to 5' above floor
Belt Width	30"
Belt Speed	60–120 FPM
Top of Belt Height	36.625"
Belt Type	High-grip, longitudinal rib belt
Belt Motor	1.5 HP
Drive Motor	1.5 HP
Travel Speed	0–45 FPM
Wheels	14" solid rubber tires and 8" casters
Power	120 V, 30 amp dedicated

The retrofit connect kit connects the loader to existing flexible powered conveyors.

OPTIONS

Retrofit Connect Kit

COMMON APPLICATIONS

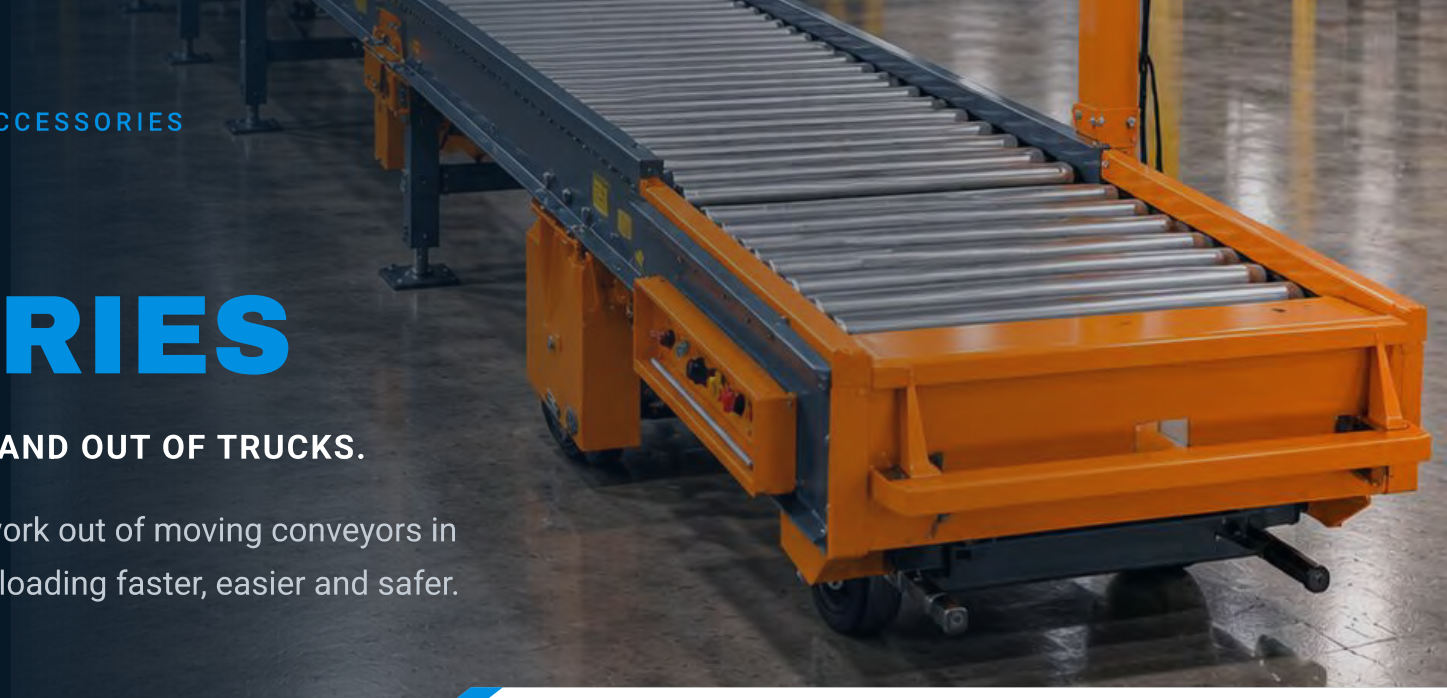
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LOADING ACCESSORIES



FASTER, EASIER, SAFER MOVES IN AND OUT OF TRUCKS.

A power-assist conveyor that takes the work out of moving conveyors in and out of trucks, making loading and unloading faster, easier and safer.

FEATURES & BENEFITS

150 LBS./FT. CAPACITY
Load capacity of 150 lbs./ft. on a powered or gravity roller bed.

POWER-ASSIST TRAVEL
Travels 0 to 50 FPM on a .25 HP parallel shaft DC drive motor.

IMPACT CART
A roller cart that protects conveyors in high-volume, high-impact loading.

OPERATOR LIFT PLATFORM
Lifts operators to different elevations in the trailer during fluid loading.

ALSO AVAILABLE



IMPACT CART
Protects conveyors in high-impact loading.

SPECIFICATIONS STANDARD CONFIGURATION

Load Capacity	150 lbs./ft.
Travel Speed	0–50 FPM
Length	4'
Roller Bed	Powered or gravity
Roller Widths	24" or 30"
Rollers	1.9" dia. heavy-duty 16 ga. zinc-plated steel, precision bearings
Axle Centers	4" standard
Preset Elevations	28" to 36"
Roller Motors	Durable DC, 120 V AC supply
Motor Speed	Variable, 0–120 FPM
Drive Motor	.25 HP parallel shaft DC motor
Chassis	All-bolted 10 ga. steel

Specs shown for the power-assist conveyor.

OPTIONS

Manual Package Stops | Photo Eye Accumulation

COMMON APPLICATIONS

- Warehouse and distribution centers
- E-commerce
- Parcel post
- Retail
- Third-party logistics
- Manufacturing and packaging

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