



**FAST GLOBAL  
SOLUTIONS**



# **AIR & GROUND SOLUTIONS**

*For Today's Global Commerce Operations*

## Innovative Air and Ground Support Solutions, Worldwide

Around the globe, the service of transporting people, products and materials is moving faster, driven by the demands of a more connected, digital world. Customer expectations are increasing. Turnaround windows are tighter. Flawless performance and precise synchronization of crews and equipment is the new normal.

As a leader in airline, air cargo and material handling equipment, FAST Global Solutions understands the importance of maintaining a seamless flow of goods and constantly moving transport system. With an expansive portfolio for aircraft load and unload, freight transfer, conveying operations and ULD/pallet maneuverability, FAST continues to bring innovative design solutions to improve operator performance and safety, and increase integration and productivity, on the ramp, at the hub and in the warehouse.

For over 40 years, our GSE and Conveyor equipment has had a reputation for being smartly-designed, ruggedly-built, safety-oriented and ultra-reliable. That's why many of the world's largest facilitators of global commerce, trust FAST Global Solutions to help keep their operations moving at the speed of business.

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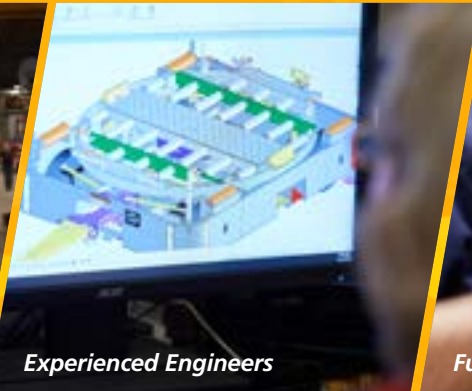
# QUALITY. SAFETY. SERVICE.

**Innovative designs, integrated solutions and ultra-reliable equipment — only from FAST Global Solutions.**

As a 100% employee-owned company, we take great pride in the craftsmanship of everything we build. FAST engineers, manufactures, installs and services a broad range of product solutions that solve diverse customer challenges.



*Durable Materials*



*Experienced Engineers*



*Full-Time Inspectors*



*Certified Welders*



*Quality Testing*



*ISO and CE Certification*

**At FAST Global Solutions, there are four core traits** at the heart of our employee-owners that represent the foundation of our company legacy, who we are today and importantly what will continue to drive us as we move forward in servicing our customers. At FAST we value:

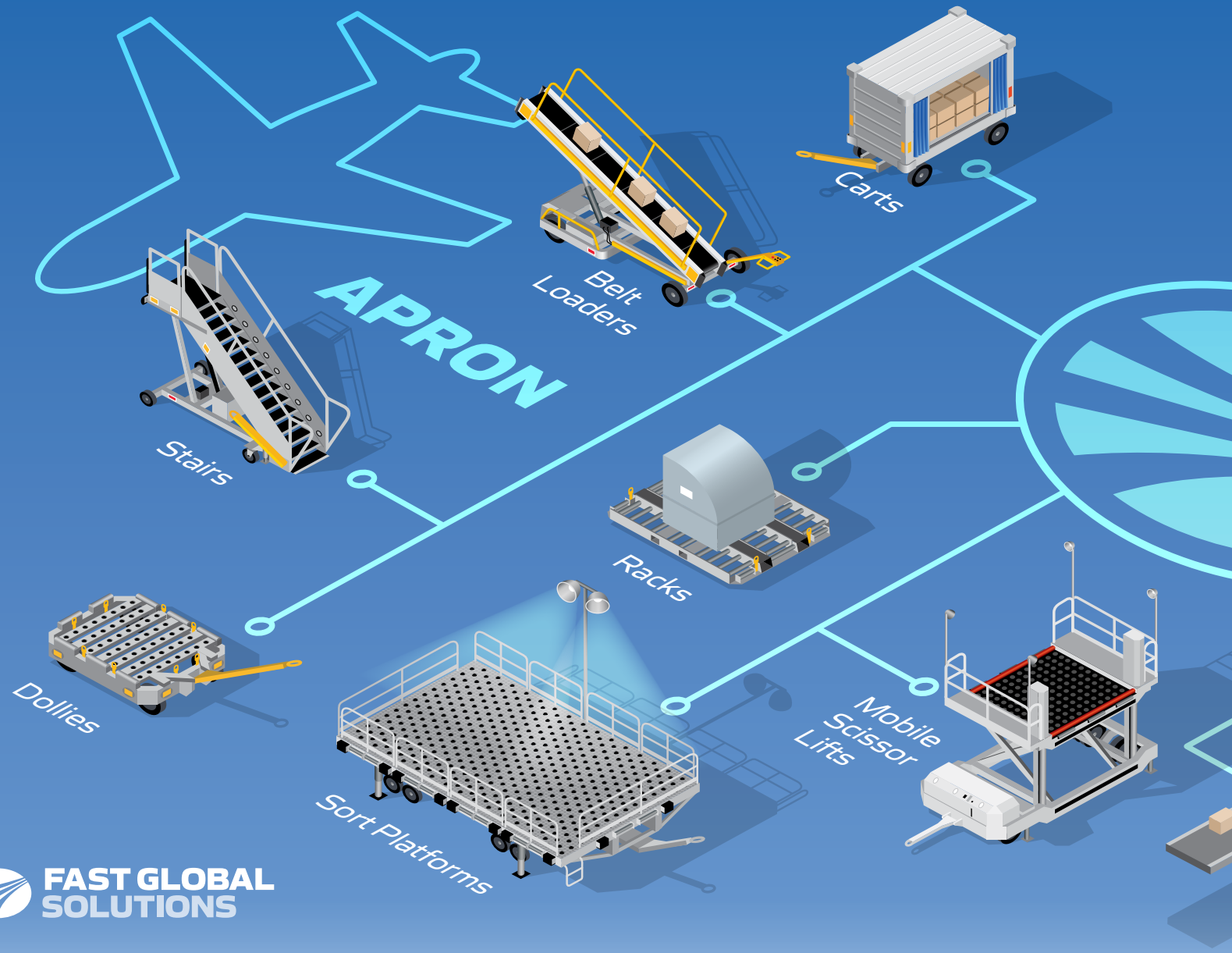
**KNOWING OUR CUSTOMERS** – listening and talking to better understand needs and challenges. Providing product solutions that improve performance and safety for our customers’ teams.

**BUILDING TRUST** – earned over time and every day, by providing open and honest communication and acting with integrity and accountability.

**FINDING A BETTER WAY** – we are problem solvers, constantly working to improve or find a new approach to help customers increase operational productivity and safety.

**HAVING GRIT** – it’s a can-do attitude, to not back down from challenges, but to respond quickly and go the extra mile for our customers.

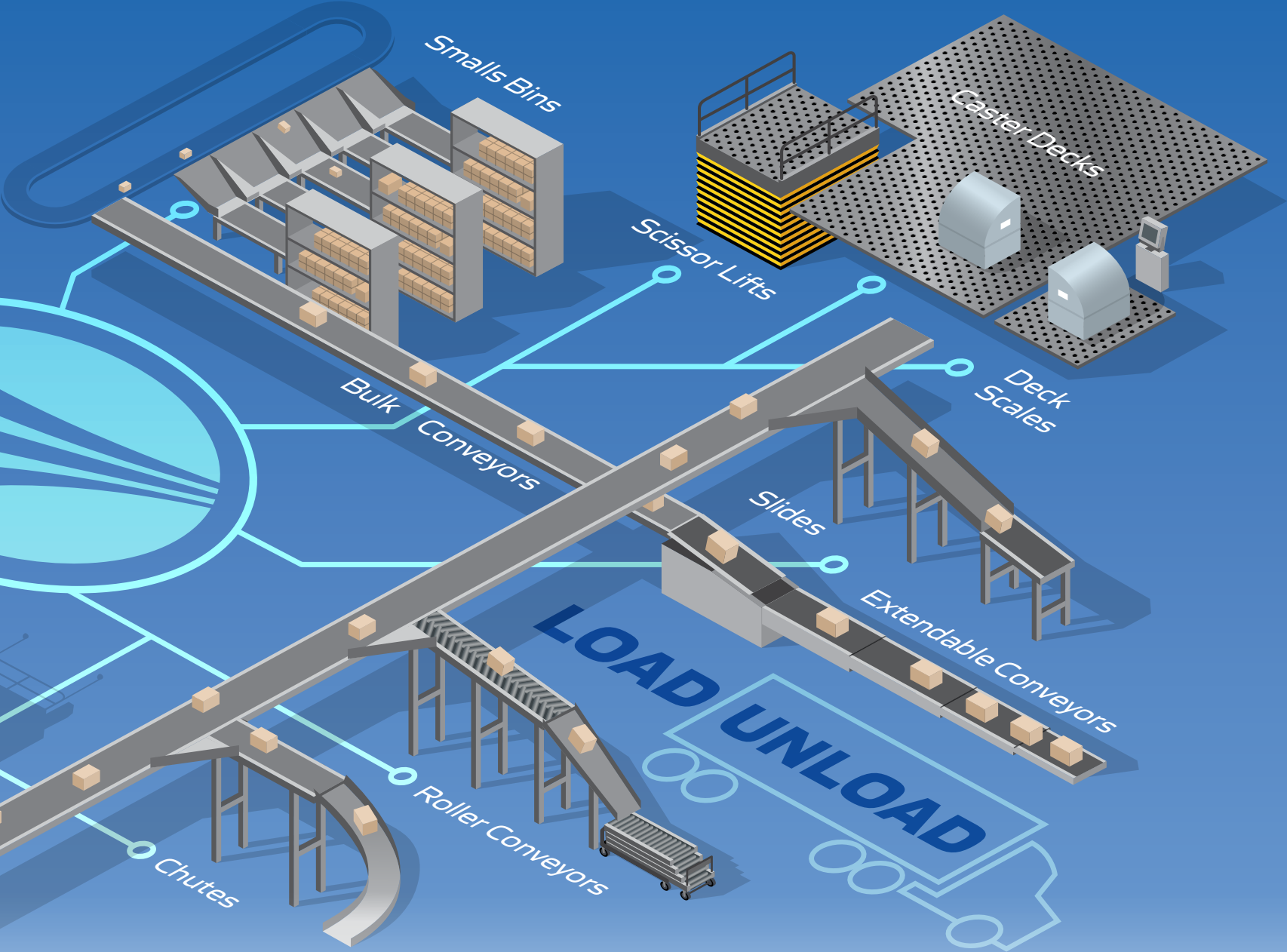
# INTEGRATED AIR & GROUND SOLUTIONS



AIRCRAFT LOAD & UNLOAD

FREIGHT TRANSFER

# CONNECTING GLOBAL TRADE



CONVEYING OPERATIONS

ULD PALLET MANEUVERABILITY



# INNOVATIVE DESIGN SOLUTIONS

## New Product Highlights

*Our relentless spirit of innovation keeps our products on the leading edge of performance. FAST continues to bring advanced design ideas that solve diverse customer challenges and improve performance and safety, to help maximize operations and maintain critical schedules.*



### **AlphaCart™ Baggage Cart**

Strong. Durable. Corrosion-resistant. A new standard for baggage/cargo carts, engineered with rotomolded construction.

Page 16



### **Wolverine™ Single-Stage Conveyor**

Specifically designed for sorting facilities, with a narrow boom profile for easy access into the smallest ULDs to maximize parcel unloading rates.

Page 24

### **3-Stage Extendable Conveyor**

Engineered for high-volume unloading of larger-size packages, with a 53' 9" extendable boom and wide 29" belt to help increase the speed of product transfer at the door.

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### **Ascent™ Feeder Loader**

A mobile cargo loader right-sized for feeder fleet operations, to load and unload ULDs and containers. Page 9



**M-Series Cargo Dolly**

Specifically designed to provide versatility for changing ramp operations.  
Page 12



**Aircraft Towbar**

Designed for the ever-changing needs of ramp operators, to help maintain critical schedules.

**GSE Aftermarket Products**



**Quick-Stop Brake**

Specifically engineered to prevent breakaway bag carts, minimizing potential hazards to ramp agents or aircraft strikes.

**EasyLift™ Towbar**

Engineered to reduce lifting force and improve the ergonomics and safety for ramp agents.



**Heavy-Duty E-Hitch**

Designed to be mounted on baggage and cargo dolly tractors for quick attachment to towable ground support equipment, to improve operational performance and safety on the ramp.



# AIRCRAFT LOAD & UNLOAD

*Designed to more easily load and unload cargo, baggage or crew on the ramp. Adjustable-height equipment accommodates a variety of aircraft heights. OSHA- and CE-recommended features for increased safety and operational efficiency.*



## BELT LOADERS

***Powered walk-behind loaders improve speed and efficiency***

Keep luggage and packages moving with our walk-behind belt loader. You'll get the cost savings and maneuverability of a walk-behind unit with greater durability than a drivable machine. Simply leave the loader near the gate and use the stowable tiller arm for precise placement at the plane.

### ***Specifications***

|            |   |
|------------|---|
| Length     | 237 in. (6.02 m) standard; 296 in. (7.5 m) optional |
| Width      | 34¾ in. (0.88 m)                                    |
| Belt Width | 24 in. (0.6 m)                                      |
| Belt Speed | 0-100 ft. per minute; variable forward and reverse  |



## MOBILE SCISSOR LIFT

Reach new heights quickly and easily with an engine-powered Mobile Scissor Lift. Its large platform with a 15,000-pound (6,804-kilogram) capacity ensures work cargo gets lifted with ease.

### Specifications

|                   |   |
|-------------------|---|
| Width / Height    | 143 in. (363 cm) / 102 in. (259.1 cm)                       |
| Length (w/towbar) | Extended: 238 in. (604.5 cm)<br>Retracted: 200 in. (508 cm) |
| Capacity          | 15,000 lbs (6,803.9 kg)                                     |
| Platform Height   | From 20 to 64 in. (50.8 to 162.6 cm)                        |
| Deck Size         | 101-by-126 in. (256.5-by-320 cm)                            |



## ASCENT™ FEEDER LOADER

A self-propelled, single platform cargo loader, specifically designed for feeder fleet operations, to easily and safely load and unload ULDs and cargo containers. Hydraulic lift provides smooth, reliable operation to raise and lower platform from 19 to 52 inches, or tilt deck +/- 3° to accommodate changes in airplane attitude when loaded vs. unloaded.

### Specifications

|                         |  |
|-------------------------|--|
| Width / Height / Length | 13.2 ft W / 8.1 ft H / 12 ft L<br>(3.7m W / 2.4 m H / 2.9 m L) |
| Capacity                | 5,000 lbs (2,268 kg) max                                       |
| Platform Height         | 19 to 52 in. (48.3 to 132.1 cm)                                |
| Engine Motor            | 25 Hp (18.7 kW) diesel, 6 mph drive speed                      |
| Lift Operation          | max 20 ft/min (6.1m/min) raise/lower speed                     |
| Aircraft Served         | ATR 72-600F and Cessna 408                                     |

# AIR CRAFT LOAD & UNLOAD

## Step up to a better set of stairs

You can see a keen focus on safety and stability across FAST adjustable and fixed-height stairs for passengers and crew members, as well as access stairs for maintenance and fueling. Heavy-duty towbars, automatic safety latches, hydraulic levelers – attention to detail keeps everyone near the plane safe.



## MOBILE ADJUSTABLE HEIGHT CREW STAIRS

Single-point hydraulics raise the entire unit, eliminating the risk of damage that comes from multiple lift points. Two leveling jacks ensure stability, and an additional stabilizer strut keeps the stairs flat and stable. Moveable top handrails accommodate any aircraft door opening. The industry's only parallel/perpendicular stair placement option.

### Specifications

|                 |  |
|-----------------|--|
| Platform Height | Adjustable up to 150 in. (381 cm) or up to 216 in. (548.6 cm)          |
| Running Gear    | 12 in. (30.5 cm) diameter swivel casters on front with fixed rear axle |
| Capacity        | Platform: 500 lbs (227 kg)   |



## TOWABLE PASSENGER STAIRS

Moveable handrails clear the aircraft door as the platform height adjusts easily with the push of a hand pump to provide the ultimate in adaptability for any boarding or off-loading height. A battery-powered LED lighting system featuring an onboard charger ensures there's 54-lux shining on each step to keep everyone safe and secure. Custom-colored canopies and side curtains can be added for extra comfort.

### Specifications

|                 |   |
|-----------------|---|
| Platform Height | Adjustable from 85 in. (215.9 cm) to 152 in. (386.1 cm) |
| Running Gear    | Front swivel casters steering                           |
| Capacity        | Platform: 500 lbs (227 kg)                              |



## SPIRAL BOX CREW STAIRS

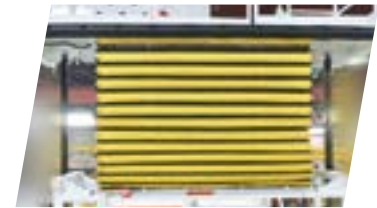
Premium casters move the solid urethane tires into place with a 10-inch (0.25-meter) diameter swivel for easy maneuverability and long-lasting service. The towbar-actuated parking brake effortlessly secures each unit after it has been maneuvered easily into place by hand. Durable, lead-edge rubber bumpers protect the aircraft. Choose from fixed or adjustable-height options.

### Specifications

|                 |  |
|-----------------|--|
| Platform Height | Fixed at 185 in. (470 cm) or Adjustable from 171 in. to 195 in. (434.3 cm to 495.3 cm) |
| Running Gear    | 10 in. (25.4 cm) diameter swivel casters on front with fixed rear axle                 |
| Capacity        | Platform: 1,000 lbs (454 kg)   |



Galvanized option



Adjustable height

## BELOW-THE-WING MAINTENANCE STAND/STAIRS

Get easy access to the airplane hatch with this hard-working stair that easily maneuvers to fit under the aircraft wing. Powder-coated finishes in custom color choices keep the stairs looking new. Optional hot-dip galvanizing gives additional corrosion resistance.

### Specifications

|                 |  |
|-----------------|--|
| Platform Height | Adjustable from 60 in. to 120 in. (152.4 cm to 308.8 cm) |
| Running Gear    | Swivel casters on front with fixed rear axle             |
| Capacity        | Platform: 500 lbs (227 kg)                               |





# FREIGHT TRANSFER

## *Dollies that keep cargo moving*

*FAST cargo and container dollies are overbuilt because downtime costs money. FAST uses the industry's best casters, three-layer solid rubber tires, and sealed Timken bearings that eliminate the need for lubrication maintenance. While lifecycle longevity is a bonus, what you really get with FAST is uptime assurance.*

## **M-SERIES DOLLY**

### ***Specifically designed for changing ramp operations***

Easily transport variable size pallets and containers with multiple position pallet stops and restraints to accommodate ever changing workloads. Engineered with lighter-weight, high-strength steel, to maneuver 15,000 lbs. capacity at 20 mph tow speeds.

### ***Specifications***

|                     |   |
|---------------------|---|
| Width               | 102" (259.1 cm)   |
| Length              | Towbar Up 160.6" / Towbar Down 182.7" (407.9 cm / 464.1 cm) |
| Capacity            | 15,000 lbs (6,803.9 kg)                                     |
| Rear Hitch          | Spring loaded E-Hitch                                       |
| Bed Rollers/Casters | Sealed caster bearings                                      |
| Container Stops     | Manual, spring loaded, detented                             |



### ***EasyLift™ Towbar***

Engineered to improve the ergonomics and safety for ramp agents. Operators apply a consistent force through the entire range of motion when raising or lowering. The towbar will also stop at any point it is released. Can be either original equipment installation or retrofit/replacement of existing towbars.



## ROLLER BED CARGO DOLLIES

Take on large pallets and containers on roller bed cargo dollies and move them with the confidence that comes from a well-built product.

### Specifications

|                       |  |
|-----------------------|--|
| Capacity              | 15,000 lbs (6,804 kg)  |
| Track Width           | 92 in. (233.7 cm)  |
| Rear Hitch            | Pintle hitch standard; other types available   |
| Bed Rollers / Casters | 2.5 in. (6.4 cm) diameter rollers, 11-gauge with sealed bearings and 11/16 in. (1.75 cm) hex shaft |
| Container Stops       | Manual, spring-loaded, detented  |



## INVERTED CASTER BED CARGO DOLLY

Get value-priced versatility in this innovative dolly that handles all standard container and pallet base sizes to 96-by-125 inches (244-by-318 centimeters).

### Specifications

|                       |   |
|-----------------------|---|
| Capacity              | 15,000 lbs (6,804 kg)                         |
| Rear Hitch            | Spring-loaded E-hitch; pintle hitch available |
| Bed Rollers / Casters | Sealed caster bearings                        |



Sealed casters



Roller guards

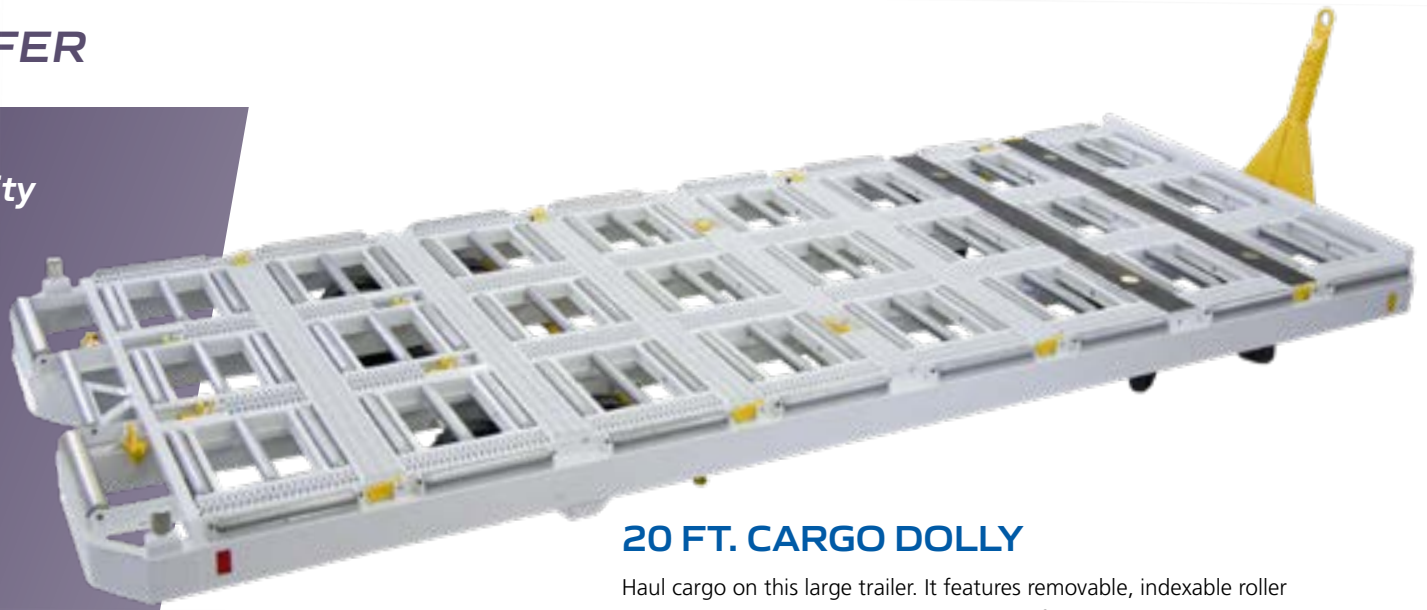


Stacking bracket

# FREIGHT TRANSFER

## Industry-leading durability means more uptime

Move up to 15,000 pounds (6,800 kilograms) safely and easily with FAST cargo, container and turntable dollies. Durable materials, premium hardware and advanced design translate into equipment that holds up through years of rigorous daily use.



### 20 FT. CARGO DOLLY

Haul cargo on this large trailer. It features removable, indexable roller sections so your crews can easily load cargo from either the side or the end.

#### Specifications

|                      |  |
|----------------------|--|
| Capacity             | 30,000 lbs (13,608 kg)   |
| Track Width          | 88 in. (223.5 cm)  |
| Rear Hitch           | Spring-loaded or E-type standard, other types available  |
| Bed Rollers / Caster | 2.5 in. (6.4 cm) diameter rollers, 11-gauge with sealed bearings and 11/16 in. (1.75 cm) hex shaft<br>Rear end only lead-edge rollers: 3.5 in. (8.89 cm) diameter with sealed bearings and 11/16 in. (1.75 cm) hex shaft |
| Container Stops      | Manual, spring-loaded, detented  |



### ROLLER BED CONTAINER DOLLY

#### Easily move almost any container size

Move one container at a time on these dollies. Quality components and durable safety features come standard. You choose the steering and how hard you want to work it.

#### Specifications

|                       |  |
|-----------------------|--|
| Capacity              | 3,500 lbs (1,588 kg)                                   |
| Track Width           | 60 in. (152.4 cm)                                      |
| Rear Hitch            | E-hitch or pintle hitch                                |
| Bed Rollers / Casters | 2.5 in. (6.4 cm) diameter rollers with sealed bearings |
| Container Stops       | Manual-over-center type with vertical restraint        |



## INVERTED CASTER BED CONTAINER DOLLY

### *Load and maneuver cargo more efficiently*

Versatile configuration sets the standard. The dolly handles LD-2 and L-D3 container configurations. It's high quality at a value price for the absolute lowest total cost of ownership.

#### **Specifications**

|                       |   |
|-----------------------|---|
| Capacity              | 3,500 lbs (1,588 kg)                          |
| Rear Hitch            | Spring-loaded E-hitch; pintle hitch available |
| Bed Rollers / Casters | Sealed caster bearings                        |
| Container Stops       | Manual, spring-loaded, detented               |



## TURNTABLE DOLLY

### *Easily transport, move and rotate a variety of container sizes*

The sturdy decks and heavy-duty perimeter frames on FAST turntable dollies easily accommodate as much as 5,400 lbs (2,449 kg) of container capacity. Choose from models that handle LD-2 and LD-3 container configurations or LD-3, LD-4 and LD-8 container configurations. A transfer-deck model also is available.

#### **Specifications**

|                       |  |
|-----------------------|--|
| Capacity              | 5,400 lbs (2,449 kg)   |
| Track Width           | 60 - 64 in. (152.4 - 162.6 cm)   |
| Rear Hitch            | Pintle or drop pin   |
| Bed Rollers / Casters | 2.5 in. (6.4 cm) diameter rollers, 11-gauge with sealed bearings and 11/16 in. (1.75 cm) hex shaft |
| Container Stops       | Flip-up stops  |



# FREIGHT TRANSFER

## Carts built tough for the tarmac

*FAST baggage carts feature a robust design and heavy-duty build that can easily carry up to 8,000 pounds (3,629 kilograms), so you won't need to worry about overloading them or using additional carts to get the job done. Uptime, safety and performance is engineered into every cart model FAST makes.*



## KNOCKDOWN CART

Reduce shipping costs and retain capacity with this innovative cart. Knock them down for shipping, and reassemble them upon arrival with just hand tools.

### Specifications

|              |  |
|--------------|--|
| Capacity     | 8,000 lbs (3,629 kg)                                 |
| Track Width  | 67 in. (1.7 m)                                       |
| Rear Hitch   | 80.25-82.5 in. (2-2.1 m)                             |
| Body Panels  | 16-gauge, CR sheet                                   |
| Floor Panels | 12-gauge, CR sheet, flat or V-style                  |
| Running Gear | Rigid mount or four-wheel independent rubber torsion |

## ALPHACART™

The FAST AlphaCart sets a new standard in design solutions for ground support equipment. Engineered with rotomolded construction for strength and durability, the AlphaCart also has less weight to reduce wear and tear. The interlocking framework design allows for easy repairs or replacement and includes specific features that will enhance operator safety and performance.

### Specifications

|                     |  |
|---------------------|--|
| Capacity            | 8,000 lbs (3,629 kg)   |
| Weight              | 1,489-1,650 lbs (675-748 kg)   |
| Rear Hitch          | Spring-loaded E-hitch; additional options available  |
| Top and Side Panels | High-density polyethylene  |
| Bed Panel           | High-density polyethylene; ergonomic corrugated floor with drainage channels to the center |
| Running Gear        | Rigid mount or four-wheel independent rubber torsion axles                                 |



## ENCLOSED CART

Move more baggage faster with a large-capacity, reinforced steel cart designed and built for years of rugged use. Each cart features more ribs, quality welds, bolted-on running gear and webbing-lined vinyl curtains to make sure it holds up better and longer than others on the market.

### Specifications

|              |  |
|--------------|--|
| Capacity     | Up to 8,000 lbs (3,629 kg)                           |
| Track Width  | 52.75 in. (1.34 m)                                   |
| Rear Hitch   | Spring-loaded E-hitch; additional options available  |
| Body Panels  | 16-gauge, CR sheet                                   |
| Floor Panels | 12-gauge, CR sheet, flat or V-style                  |
| Running Gear | Rigid mount or four-wheel independent rubber torsion |



## OPEN CART

Heavy-duty construction allows the cart to take on as much as 8,000 pounds (3,629 kilograms) at 20-25 mph (32-40 kph) towing speeds.

### Specifications

|              |   |
|--------------|---|
| Capacity     | 8,000 lbs (3,629 kg)  |
| Track Width  | 52.75 in. (134 cm)  |
| Rear Hitch   | Spring-loaded E-hitch   |
| Panels       | Body: 16-gauge, CR sheet<br>Floor: 12-gauge, CR sheet, flat or V-style  |
| Running Gear | Rigid mount or four-wheel independent rubber torsion axles, with 5-by-2-by-3/16 in. (12.7-by-5.1-by-0.48 cm) wall, rectangular tubing |



# FREIGHT TRANSFER

## Handle Cargo Quickly and Safely

Versatile cargo racks move air freight containers and pallets easily, increasing handling capacity, productivity and operator safety.



Adjustable legs



Pallet stops

### Static Rack Specifications

|              |   |
|--------------|---|
| Weight       | 1,250 lbs (567 kg) with rollers; 1,400 lbs (635 kg) with inverted casters |
| Pallet Stops | Manual, spring-loaded, detented   |
| Capacity     | 15,000 lbs (6,804 kg)   |
| Bed Option   | Inverted caster deck  |



## RACKS

### Ultra-durable racks handle cargo with ease

Move containers and pallets easily across durable rollers and then lock them into place with heavy-duty pallet stops. Easily adjustable configurations will quickly suit your needs.

### End-Load Rack Specifications

|              |                                 |
|--------------|---------------------------------|
| Weight       | 788 lbs (357 kg)                |
| Pallet Stops | Manual, spring-loaded, detented |
| Capacity     | 7,000 lbs (3,175 kg)            |

## ROLLER PALLETS

*Innovative rack configurations that adapt on-the-fly*

Known elsewhere in the industry as a slave pallet, FAST Roller Pallets offer robust durability and custom design built to the size and requirements you need. Optional side-load designs and connecting links allow pallets to seamlessly adapt to any situation. Four tineway pockets ensure easy maneuverability. Gaps between the rollers can be filled to suit industry-specific needs. Sealed roller bearings keep contaminants out for long-lasting use. Non-skid paint applied to tineways. Manual, spring-loaded and detented pallet stops are available.



## TRUCK ROLLER SYSTEMS

*Minimize trailer loading time, maximize space*

Tineways on the sides and ends provide maximum adaptability to any area. Sealed roller bearings keep contaminants out for long-lasting use. Custom designs available for your operations with capacities to hold as much as 15,000 pounds (6,804 kilograms). Morton safety tread plates. Optional side-load designs and connecting links allow racks to seamlessly adapt to any situation. Gaps between the 11-gauge rollers can be filled to suit industry-specific needs. Manual, spring-loaded and detented pallet stops available.



### **Specifications** **(Roller Racks and Truck Roller Systems)**

|              |                                 |
|--------------|---------------------------------|
| Weight       | 1,150 lbs (522 kg)              |
| Capacity     | 15,000 lbs (6,804 kg)           |
| Pallet Stops | Manual, spring-loaded, detented |



Safety Tread Plates



Tineways

# FREIGHT TRANSFER

## Maximize operations on the ramp

Efficiently manage ground support and cargo handling activities to achieve turnaround targets and maintain critical schedules.



## SORT PLATFORM

### Features Integrated Generator

Sort as much as 40,000 pounds (18,144 kilograms) of cargo or baggage on this platform. The platform height can be easily adjusted with hydraulic controls that ease use and increase productivity. Able to accommodate up to 8 semis (4 each side). Choose from a 20.4-horsepower Kubota® diesel engine or a 480-volt three-phase electric motor.

### Specifications

|                   |                                  |
|-------------------|----------------------------------|
| Width             | 204 in. (518.2 cm)               |
| Length (w/towbar) | 576 in. (1,463 cm)               |
| Capacity          | 40,000 lbs (18,144 kg)           |
| Platform Height   | 46 to 60 in. (120 to 150 cm)     |
| Deck Size         | 17 ft-by-48 ft (5.2 m-by-14.6 m) |





## TIRE CART

### *Easily maneuver equipment and parts on the ramp*

Heavy-duty cart facilitates performing maintenance on aircraft. Open and configured storage space to accommodate jacks, tires, brakes, generators, air compressors and more.

Powered height adjustment for ease of loading. Designs and specifications developed per customer request. Optional air compressor and generator features available.

### *Specifications*

|        |                     |
|--------|---------------------|
| Length | 182.3 in. (463 cm)  |
| Width  | 67.5 in. (171.5 cm) |



# INTERNATIONAL GSE

*For international operations, FAST designed a line of ground support equipment that features hot-dipped galvanized steel for low maintenance and corrosion resistance, sealed Timken bearings to reduce maintenance downtime, Rockinger or Ringfeder hitches for connection compatibility, and built to IATA standards for enhanced safety and ease of use.*

*The company manufactures and services this product line from a European-based operation, to more readily meet the GSE needs of our customers worldwide.*



## TURNTABLE ROLLER DOLLY

360 degree rotating turntable for ease in maneuvering LD2 and LD3 containers. Heavy-duty, sealed rollers to minimize maintenance.

### Specifications

|          |   |
|----------|---|
| Capacity | 588 kg weight capacity at 32 kph tow speeds |
| Steering | Double Ackerman steering                    |
| Brake    | Towbar-actuated parking brake               |



## TURNTABLE CASTER DOLLY

More easily rotate LD2 and LD3 cargo containers. Sealed bearings minimize maintenance and maximize longevity.

### Specifications

|          |   |
|----------|---|
| Capacity | 588 kg weight capacity at 32 kph tow speeds |
| Steering | Double Ackerman steering                    |
| Brake    | Towbar-actuated parking brake               |



## OPEN BAGGAGE CART

Large capacity, reinforced steel open cart.

### Specifications

|          |  |
|----------|--|
| Capacity | 3600 kg weight capacity at 32 kph tow speeds |
| Steering | 5th wheel steering with 360 degree rotation  |
| Brake    | Towbar-actuated parking brake                |



## ONE-SIDE OPEN BAGGAGE CART

Rugged, heavy-duty, one-side open cart with retractable cover.

### Specifications

|          |  |
|----------|--|
| Capacity | 3600 kg weight capacity at 32 kph tow speeds |
| Steering | 5th wheel steering with 360 degree rotation  |
| Brake    | Towbar-actuated parking brake                |



## SIDE TOW ROLLER DOLLY

Easily transport variable size pallets and containers. Pivoting front towbar designed for increased safety and maneuverability.

### Specifications

|          |  |
|----------|--|
| Capacity | 6805 kg weight capacity at 32 kph tow speeds |
| Steering | Swivel caster steering                       |
| Brake    | Towbar-actuated parking brake                |



## SIDE TOW CASTER DOLLY

Maneuver and transport ever-changing cargo workloads. Sealed casters prevent wearout.

### Specifications

|          |  |
|----------|--|
| Capacity | 6805 kg weight capacity at 32 kph tow speeds |
| Steering | Swivel caster steering                       |
| Brake    | Towbar-actuated parking brake                |



## ROLLER CARGO DOLLY

Efficiently and easily move cargo pallets and containers. Heavy-duty rollers with sealed bearings to maximize longevity.

### Specifications

|          |  |
|----------|--|
| Capacity | 6805 kg weight capacity at 32 kph tow speeds |
| Steering | Swivel caster steering                       |
| Brake    | Towbar-actuated parking brake                |



## PASSENGER STAIRS

Towable stairs to safely and securely board and off-load passengers.

### Specifications

|          |  |
|----------|--|
| Capacity | Heavy-duty frame supports up to 250 kg   |
| Height   | Adjusts to heights from 2.2 m to 3.9 m; with automatically latching "X" brace lock |



## BELT LOADER

Powered walk-behind belt loader to easily load and off-load a variety of aircraft heights, fitting door sill bases from 0.9 - 3.0 m off the ground.

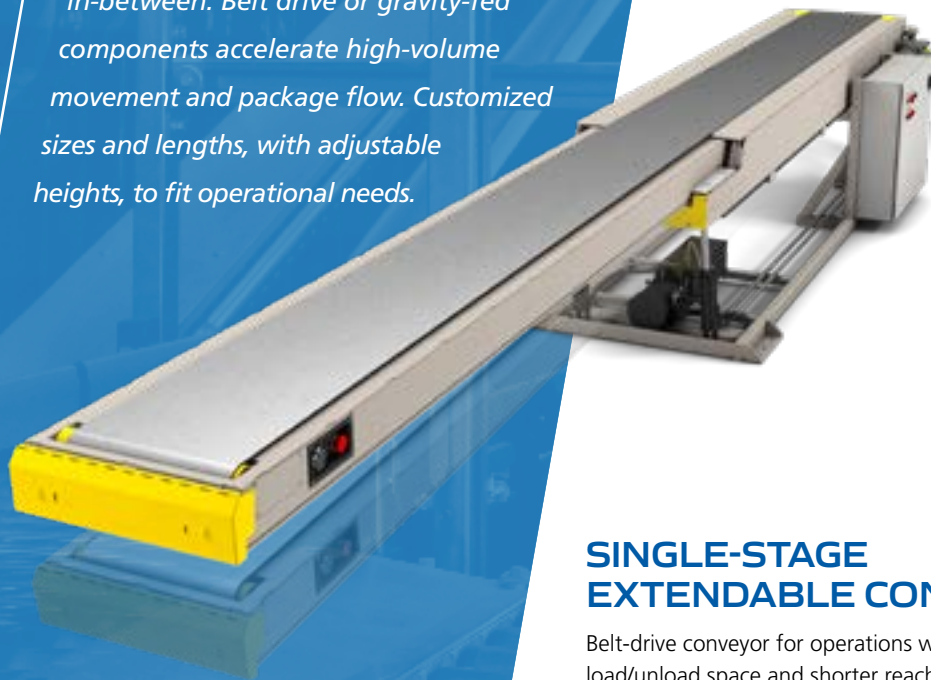
### Specifications

|            |   |
|------------|---|
| Length     | 237 in. (6.02m) standard, 296 in. (7.5m) optional |
| Width      | 34.75 in. (0.88m)                                 |
| Belt Width | 24 in. (0.6m)                                     |
| Belt Speed | 0-100 fpm, variable forward and reverse           |



# CONVEYING OPERATIONS

*Designed for load & unload, bulk flow or transitions at the door and all points in-between. Belt drive or gravity-fed components accelerate high-volume movement and package flow. Customized sizes and lengths, with adjustable heights, to fit operational needs.*



## WOLVERINE™ SINGLE-STAGE EXTENDABLE CONVEYOR

Powered single-stage belted conveyor, specifically designed for sorting facilities to maximize parcel unloading of ULDs. Narrow boom profile and 18 in. belt width provides access into the smallest ULDs and with proper egress. Boom extends up to a max of 10 ft. to reach inside containers and hydraulic lift cylinders adjust work height to align with package elevation changes.

### Specifications

|                    |   |
|--------------------|---|
| Retractable Length | 119.75 in. (304.17 cm)                              |
| Extendable Length  | 163.88 in. (416.26 cm)                              |
| Boom Elevation     | 20.64 to 36.46 in. (52.43 to 92.61 cm)              |
| Belt Width         | 18 in. (45.72 cm)                                   |
| Belt Direction     | Unload only   |
| Load Capacity      | 50 lbs./linear ft. (22.68 kg/linear ft)             |
| Belt Speed         | 50 - 80 - 100 ft./min (15.24 - 24.38 - 30.48 m/min) |

## SINGLE-STAGE EXTENDABLE CONVEYOR

Belt-drive conveyor for operations with more limited load/unload space and shorter reach requirements, designed to bridge the gap from dock to trailer or other vehicles and accelerate package transfer rates. Manual extension or retraction to allow boom to stop in position at any length up to the maximum extension.

### Specifications

|                       |                                |
|-----------------------|--------------------------------|
| Retractable Length    | 9.0 ft.                        |
| Extendable Length     | 15.5 ft.                       |
| Belt Width            | 33 to 39 in.                   |
| Belt Direction        | Load, Unload or Bi-Directional |
| Telescoping Operation | Hand Crank Boom Extension      |
| Load Capacity         | 50 lbs/ft.                     |





## MULTI-STAGE EXTENDABLE CONVEYORS

Conveyor designed to extend easily into trailers or other vehicles to accelerate high volume loading and unloading at the door. Maximum extension with minimum retracted footprint to optimize floor flow space. Automation aids extension and height adjustment to maximize operator load and unload rates.

### Specifications

|                    |                                      |
|--------------------|--------------------------------------|
| Retractable Length | 13.7 to 25 ft. (4.17 to 7.62m)       |
| Extendable Length  | 64.7 to 80 ft. (19.72 to 24.38 m)    |
| Stages             | 4, 5 or 6                            |
| Belt Width         | 21 to 22 in. (53.34 to 55.88 cm)     |
| Belt Direction     | Unload or Bi-Directional             |
| Load Capacity      | 50 lbs. (22.68 kg)/linear ft         |
| Telescoping Speed  | 40 to 60 ft. (12.19 to 18.28 m) /min |
| Rollers            | 1.94 in. (4.92 cm) diameter; PVC     |



## NEW 3-STAGE EXTENDABLE CONVEYOR

Extendable conveyor engineered for more robust parcel unloading. A 53' 9" extendable boom, with wide 29" belt, easily extends into trailers, trucks or other transport vehicles, to increase the speed of product transfer operations at the door. Optional articulating boom extension can be raised or lowered to allow operators to quickly work within their power zone.

### Specifications

|                    |                              |
|--------------------|------------------------------|
| Retractable Length | 23 ft. (7.01 m)              |
| Extendable Length  | 53 ft. 9 in. (16.15 m)       |
| Stages             | 3                            |
| Belt Width         | 29 in. (73.66 cm)            |
| Belt Direction     | Unload only                  |
| Load Capacity      | 50 lbs. (22.68 kg)/linear ft |
| Belt Speed         | 60 ft. (18.29 m) /min.       |



*Shown with optional boom extension*

# CONVEYING OPERATIONS

## Reach higher levels of productivity

The backbone of conveying operations, FAST conveyors efficiently move packages from one point to another. Whether Bulk, Irregulars, Smalls or Transitions, each can be customized with various widths, speeds and belt choices to meet the needs of your operation.



## LATERAL FEED CONVEYOR

Rugged, heavy-duty belt conveyor, ideal for transition between load or unload equipment and primary conveyor or sorting operations. Customized lengths and widths to adapt to various material handling systems, with optional bolt-up or weld-up assembly construction.

### Specifications

|                |                                |
|----------------|--------------------------------|
| Length         | Customizable up to 25 ft. max  |
| Belt Width     | 45.0 to 57.5 in.               |
| Belt Direction | Load, Unload or Bi-Directional |
| Load Capacity  | 50 lbs/ft.                     |
| Rated Speed    | 20-200 FPM                     |





# BULK FLOW CONVEYORS

The core of warehouse, distribution and sortation operations, transport conveyors efficiently move packages from one point to another, with transitions onto slides or chutes. Versatile applications, including bulk flow, oversized/irregulars, smalls, incline/decline, and many more. Multiple belt choices, widths and speeds, to match the operation.

### Specifications

|               |                            |
|---------------|----------------------------|
| Length        | 25 to 1,000 ft.            |
| Belt Width    | 24, 30, 36, 42, 48, 60 in. |
| Load Capacity | 50 lbs/ft.                 |
| Rated Speed   | 20-200 FPM                 |
| Structure     | Bolt-Up or Weld-Up         |



# CONVEYING OPERATIONS

## Control movement and connect systems

*FAST chutes solve critical points of connection with economical movement of packages from one system to the next. With a variety of designs, options, lengths and solutions available, the gravity-fed chutes, slides and rollers are engineered with advanced safety features, robust construction, and superior functionality.*



## GRAVITY DOOR CHUTE

Designed to span the dock for loading operations, as transition onto a conveyor. Manual extension and retraction to hold chute at preferred length. End tip gate allows for easy adjustment between pre-charging and standard package flow.

### Specifications

|                    |                              |
|--------------------|------------------------------|
| Retractable Length | 4 to 8.9 ft.                 |
| Extendable Length  | 5.7 to 14.6 ft.              |
| Operation          | Hand Crank Boom Extension    |
| Material           | Concave Galvanized Steel Bed |

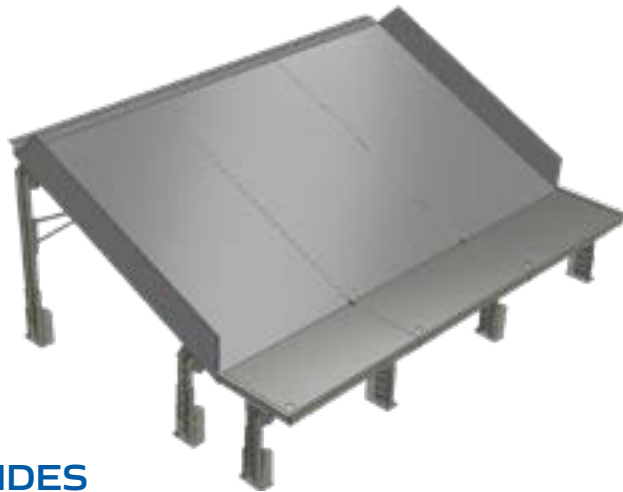


## SORTER-TO-DOOR CHUTE SYSTEM

System of chutes to transition packages from the feeding conveyor or sorter, to the loading equipment for trailers and delivery vehicles. Designed to manage high volume bulk flow to single package flow, increasing ease of operator loading. Ideal use when incline exceeds +80 maximum guideline for herringbone or other gravity loader options.

### Specifications

|              |                                       |
|--------------|---------------------------------------|
| Construction | Concave Galvanized Steel Bed          |
| Coating      | Optional Low-Friction Material Lining |
| Structure    | Bolt-Up or Weld-Up                    |



## SLIDES

Designed to transition package flow from conveyor to conveyor or loading equipment at lower elevations. Constructed of heavy-duty steel. Durable, smooth surface, with option to line with low-friction material to increase rate of package flow. 12" to 24" side panels available to help contain product movement. Optional heavy-duty bolt-up or weld-up assembly construction.

### Specifications

|             |                      |
|-------------|----------------------|
| Material    | Heavy-Duty Steel Bed |
| Dimensions  | 24 in. to 200 ft.    |
| Side Panels | 12 to 24 in.         |
| Structure   | Bolt-Up or Weld-Up   |



## SPIRAL CHUTE

Designed to optimize space by providing a 90° change in direction to a lower elevation conveyor. Can be combined with a series of individual spiral chutes to achieve a 180° to 360° system turn and elevation decline. Deep trough chutes to center packages and maintain orientation throughout the curve.

### Specifications

|           |                                       |
|-----------|---------------------------------------|
| Elevation | 30 in. drop / 90° curve               |
| Material  | Heavy-Duty Steel Bed                  |
| Coating   | Optional Low-Friction Material Lining |
| Structure | Bolt-Up or Weld-Up                    |



# CONVEYING OPERATIONS

**Designed for high performance and maximum longevity**

*Leveraging natural gravity flow, roller conveyors provide an economical solution to help move packages with ease.*



## GRAVITY ROLLERS

Roller conveyors designed to leverage natural gravity flow to move packages with ease. Heavy-duty steel or phenolic roller construction, with custom pull-out extensions to provide variable lengths to fit the application. Rollers are heavy-duty, with sealed bearings to minimize maintenance and maximize longevity.

### Specifications

|         |                        |
|---------|------------------------|
| Length  | 3 to 60 ft.            |
| Width   | 36 to 48 in.           |
| Rollers | 1.94 in. diameter; PVC |

## DOOR TRANSITION ROLLERS

Designed to assist with the loading and unloading of cargo containers and delivery trucks, covering the gap between door and transport conveyor. Can be mounted on rails adjacent to the conveyor to allow the unit to traverse to several different stations.

### Specifications

|                    |                           |
|--------------------|---------------------------|
| Retractable Length | 42.5 to 76.8 in.          |
| Extendable Length  | 61.0 to 168.0 in.         |
| Belt Width         | 33.0 in.                  |
| Load Capacity      | 50 lbs/ft.                |
| Rollers            | 1.94 in. diameter; PVC    |
| Operation          | Hand Crank Boom Extension |



## GRAVITY ROLLER LOADERS

Conveyor designed to optimize available dock floor space and provide maximum flexibility for loading operations of flat floor trucks, trailers and freight containers up to 53'. Compact, nesting roller conveyor is manually extended to adjust to fit application and leverages natural gravity flow to ease package movement and improve volume throughput.

### Specifications

|                    |                        |
|--------------------|------------------------|
| Retractable Length | 9 to 11.6 ft.          |
| Extendable Length  | 47.8 to 53 ft.         |
| Load Capacity      | 50 lbs/ft.             |
| Rollers            | 1.94 in. diameter; PVC |
| Operation          | Hand Crank Extension   |
| Stages             | 3 to 7                 |

# CONVEYING OPERATIONS

## Heavy-duty support

*Structural elements designed to support, elevate, provide access and safety for conveying equipment and systems. FAST platforms, bridges, stairs, ladders and legs are constructed from all structural steel for strength and stability.*



## STAIRS

Designed to provide access to platforms, mezzanines and cross-over bridges. Customizable height and width to fit the needs of the operation. Customizable railing, kick plate and surface options, with closed or open risers available. Safe rise-to-run ratio.



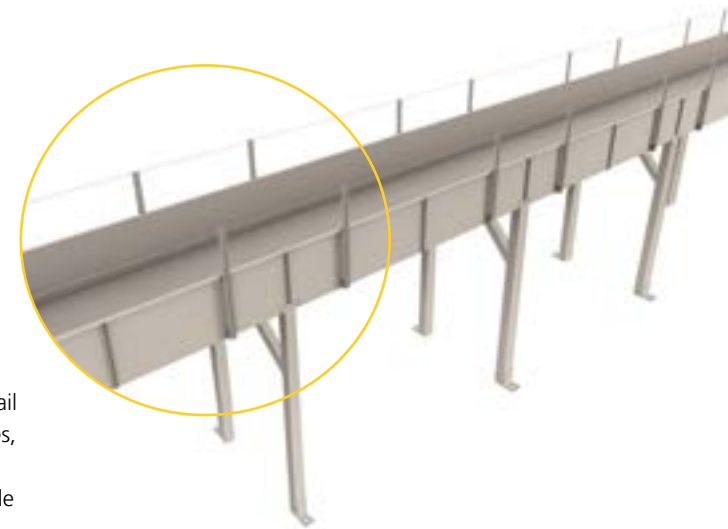
## PLATFORMS

Narrow elevated walkways designed to provide access to conveyors for the purpose of clearing product jams or to perform maintenance on lines. Designed and built as a stand-alone structure adjacent to conveyor components or integrated into existing support structures. Customizable with railing, kick plate and deck surface options.

## CONVEYOR HAND RAIL

Designed to be used with platforms, mezzanines, ladders and other elevated surfaces, providing an additional measure of safety.

Customizable fixed post or cable rail styles to fit application and code requirements. Cable hand rail designed to be added to belted conveyor structures, to provide safety and support when performing maintenance work on non-operational lines. Cable rail is stainless steel ¼" semi-rigid wire rope.





## CROSS-OVER BRIDGES

Designed to provide access to floor areas obstructed by conveyors. Customized to cross over a single conveyor or multiple lines as needed, with enough elevation to clear conveyors and moving packages.

Combined with code compliant stairs that feature a comfortable and safe rise-to-run ratio. Customizable with railing, kick plate and deck surface options.



Weld-up Structure

Bolt-up Structure

## SUPPORT STRUCTURES

System of customized height structures and supports for conveyors, chutes, and other conveying equipment, to provide stability and elevation to fit the operation.

## LADDERS

Designed to provide access to elevated areas, when floor space around structures and conveying equipment is limited. Angled for a more comfortable climb, with customizable height to fit operational needs. Code compliant with 75 degree minimum slope from horizontal. Anti-slip step surfaces and handrails for safety.



Ship's Ladder



Platform Ladder

# CONVEYING OPERATIONS

## Accumulate and Singulate

*Specific components designed to be integrated into new or existing conveyor systems, to aid individual package movement and destination determination within your overall operation.*



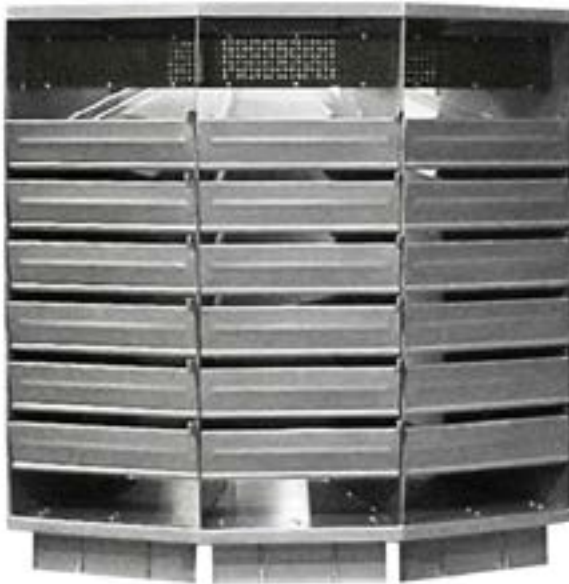
## SORTER DESTINATION CHUTE

Designed to integrate into a sorter conveyor system, providing separate gravity flow channels directed towards destination sorting bins or other accumulating equipment. Customize the number of channels and size to match the operation's sorting system.

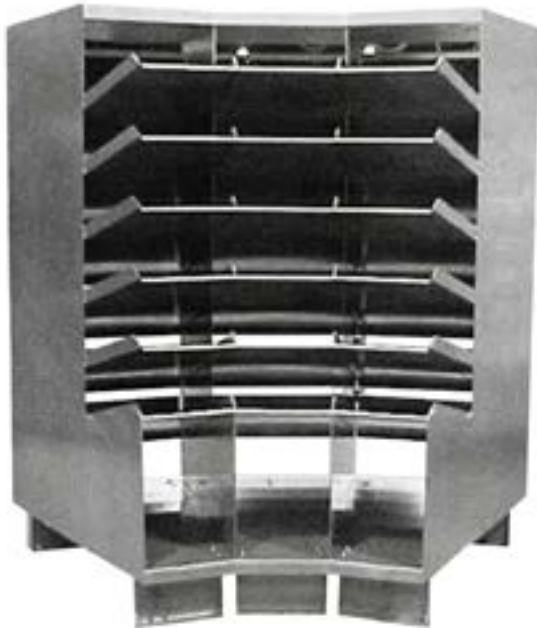
### Specifications

|              |                                       |
|--------------|---------------------------------------|
| Dimensions   | 10 ft. to 2 ft. tapers                |
| Elevation    | 18 in. drop                           |
| Construction | Concave Galvanized Steel Bed          |
| Coating      | Optional Low-Friction Material Lining |





View Sort Angle



View Sort Angle

## SMALL PACKAGE BINS

Designed to integrate into sorter conveyor systems and efficiently hold accumulated small packages as they flow from gravity chutes. Available in 12-way, 18-way, 24-way or 30-way bin structures, with optional rectangular or circular configuration, to align with the needs of the operation.

### Specifications

|  |   |
|--|---|
| Bin Structure                          | 12, 18, 24, 30 -Way                             |
| Dimensions<br>(Width x Height x Depth) | 75.2 to 78.1 in. x 84.5 to<br>87.4 in. x 48 in. |
| Configuration                          | Rectangular or Circular                         |
| Construction                           | Galvanized Steel                                |





# ULD/PALLET MANEUVERABILITY

*Customized cargo deck solutions to lift, weigh and move ULDs, cargo carriers and solid surface pallets efficiently and safely. Built to size, with optional roller, caster or ball deck surfaces to best fit the application.*



## CARGO DECK LIFT

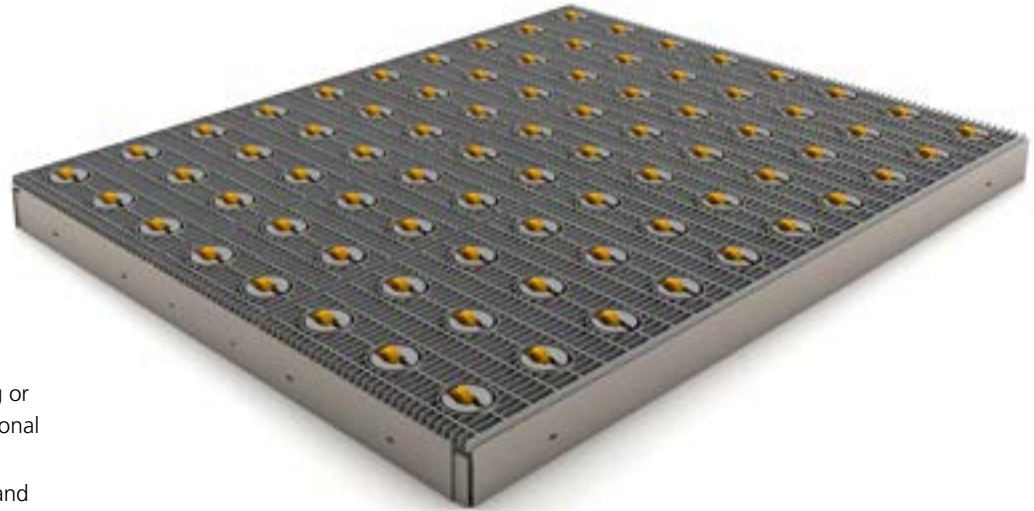
Adjustable height cargo deck designed to provide greater alignment of ULD dollies, trailers and dock heights, for ease in loading/unloading containers. Hydraulic lift ensures cargo is efficiently elevated to appropriate transfer height. Customized deck size is available with caster, ball or roller deck surfaces, to best fit the operation.

- Hydraulic lift cylinders and master control panel allows for smooth and reliable operations to move the platform from 20 to 63 inches.
- 360° swiveling plastic casters or steel balls, allow loading or unloading in any direction. Steel rollers provide bi-directional movement only.
- Casters and rollers are sealed to minimize maintenance and maximize longevity.
- Hand rails, incorporated on two sides, provide additional safety and mounting structure for master control panel.

## CARGO DECKS

Designed for maneuvering, loading and unloading ULDs, cargo carriers and solid surface pallets. Customized to specific applications and available with roller, caster or ball deck surfaces. Heavy-duty construction for interior or exterior use.

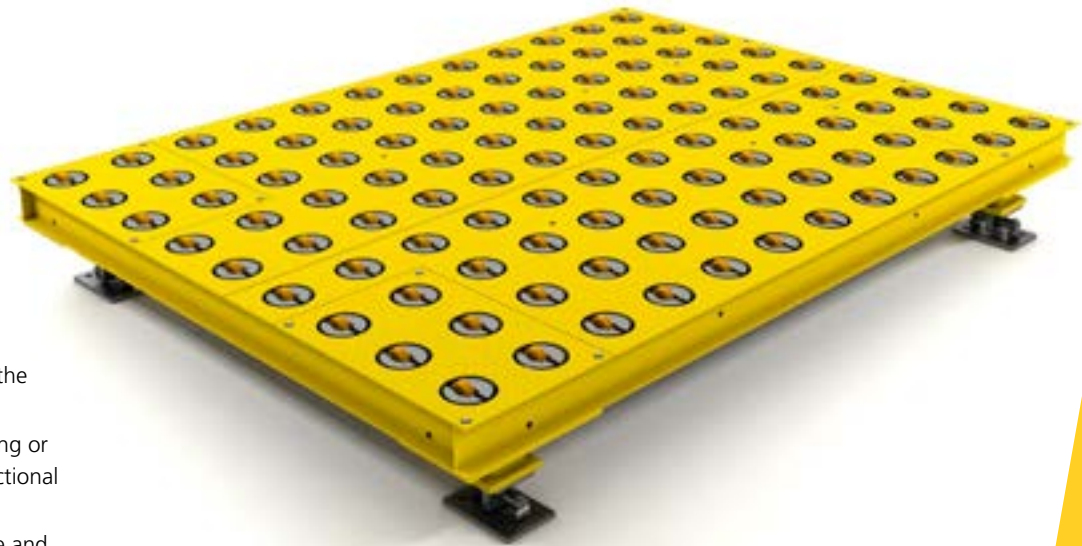
- Customizable deck size and surface options, to best fit the application.
- 360° swiveling plastic casters or steel balls, allow loading or unloading in any direction. Steel rollers provide bi-directional movement only.
- Casters and rollers are sealed to minimize maintenance and maximize longevity.



## CARGO DECK SCALE

Combination cargo deck and heavy-duty scale platform designed to quickly and easily weigh large ULDs and cargo containers. Available with caster, ball or roller deck surfaces, to best fit the application.

- Customizable deck size and surface options based on the needs of the operation.
- 360° swiveling plastic casters or steel balls, allow loading or unloading in any direction. Steel rollers provide bi-directional movement only.
- Casters and rollers are sealed to minimize maintenance and maximize longevity.
- High-profile LED readout panel and heavy-capacity load cells for ease in weighing.



# GLOBAL SUPPORT SERVICES

## *Parts, Maintenance, Upgrades and Service for the entire lifecycle of our equipment*

*In the transportation and material handling industries, downtime is frustrating and costly. Maintain your equipment at peak operational levels to maximize uptime, enhance operational safety and protect your investment, with genuine FAST parts and support from the FAST Global Solutions team.*



***Protect Your Investment***



***Maximize Uptime***

## **GENUINE OEM PARTS**

Trust only genuine FAST Global Solutions parts to get your operation back up and running.

- Over 5,000 OEM replacement parts in-stock at all times
- 95% of all parts ship within 24 hours
- Dedicated department and knowledgeable FAST team with over 85 years experience

## **CRITICAL SPARE PARTS KITS**

Minimize costly downtime, by making sure you have the most vital parts on-site and ready to go.

- Specifically identified set of replacement parts for your particular FAST equipment





***Your Partner for  
the Entire Lifecycle  
of Our Equipment***



**EQUIPMENT  
UPGRADES**

A relentless spirit of innovation keeps FAST products on the leading edge of performance; always working to bring product enhancements to our customers.

- Upgrades for existing products
- Retrofit options to continue to add product value



**WORLD-CLASS  
SUPPORT AND SERVICE**

FAST certified technicians are readily available to help you manage the challenges whenever you need assistance, to increase the confidence that your equipment will be operational and safe to use – especially during peak times.

- New equipment commissioning
- Operational and maintenance training
- Regularly scheduled inspection
- Call-in or on-site support

**GROUND SUPPORT EQUIPMENT**

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