



LPI INCORPORATED

Personnel Lifting Systems
Custom Engineered Lift Solutions

Ergonomic Lifting Systems... Productive Solutions.

SCISSOR LIFTS & WORK PLATFORMS



Stationary/Manually Positioned Scissor Lifts
Rail Guided Lift Systems
Work/Catch Platforms
Elevating Work Tables and Platforms

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STRONG

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LPI, Inc. is a custom equipment manufacturer providing engineering services and manufacturing expertise in the design and construction of work platforms, fall protection, and personnel lifting equipment for a wide range of industrial applications and facility maintenance. LPI has been in business for over 30 years providing manufacturing and assembly support for customers in a variety of industries and custom applications.

LPI promotes a safe and ergonomic work environment which increases worker productivity.

LPI equipment meets applicable OSHA/ANSI standards.

• **Made in USA** •

Challenge us with your application!

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SCISSOR LIFTS & WORK PLATFORMS DEFINED

Scissor Lifts & Work Platforms:

Scissor lifts typically operate in two axis of movement and are designed for applications where people and material need only up and down travel (stationary lift), where the lift needs to be moved around to perform work (manually positioned lift), or to access work along a fixed area of travel (rail guided lift). Utilized in applications from wash, prep and paint, to metal blasting, welding, and assembly; scissor lifts offer a safer, more ergonomic and cost effective solution for positioning workers. Systems utilize pneumatic/hydraulic power units for hazardous areas such as paint applications or can be configured with electric/hydraulic power units for non-hazardous environments.



LPSM

LPSM lifts are stationary mounted and used to elevate personnel in a fixed location. This model lift provides an economical access solution in all areas of your manufacturing process and facility.



LPSMT

LPSMT lifts are a manually positioned and easily moved around by one person. Similar in design to the LPSM lifts, these versatile systems offer a cost effective solution where process areas are not in a fixed location or product size and configuration vary.



LPST

LPST lifts are rail guided and self propelled. This system utilizes a guide rail for positioning workers in applications where the work task is being performed along a linear path. These units can be modified to accommodate process lines and other equipment to increase worker productivity.



TK

TK lifts are also a rail guided, self propelled scissor lift that travels along a guide rail in a fixed path. With a higher weight capacity and a larger operator platform this lift system offers a more versatile range of options. Units can be fitted with explosion proof lighting and hose reels, and are ideal for applications ranging from maintenance pits to welding areas.



LPSPH

LPSPH, also known as a Work/Catch Platform, is a high capacity, manually positioned, expandable work platform that can be configured for a variety of applications. Units are easily modified to fit work processes ranging from manufacturing and assembly areas to welding and paint process areas.



EWP/EWT

EW personnel lifts or work tables are ideal for areas with limited space. Compact and portable, these air operated scissor lifts provide a safer and economical alternative to rolling ladders or scaffolds.

Model LPSM & LPSMT: Stationary/Manually Positioned Scissor Lifts

Stationary position & manually positioned personnel scissor lifts for use in paint process booths and other hazardous locations. LPI manufactures a full line of standard scissor lifts that can be customized with many options.



LPSM Stationary Scissor Lift



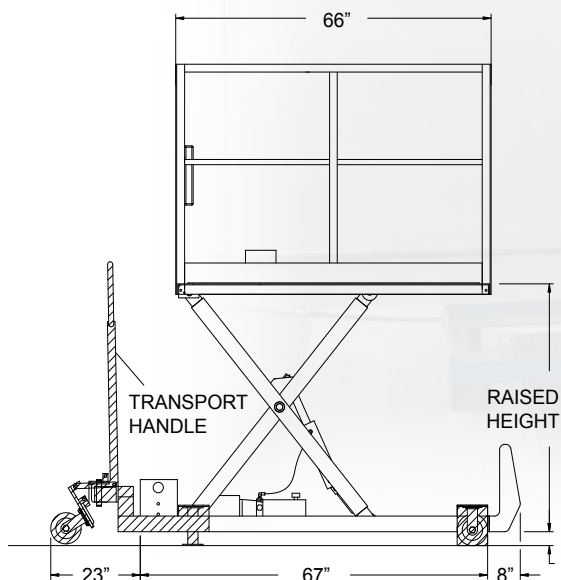
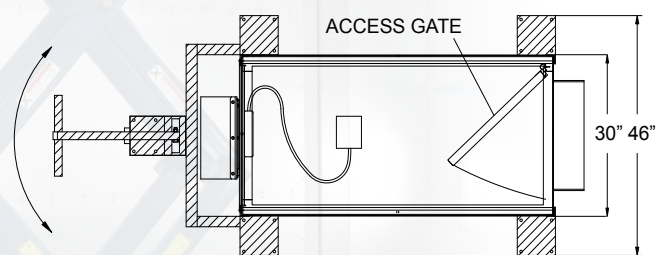
LPSMT (Model shown with Transport Handle)

All LPSM Models Include:

- Raised platform heights ranging from 49" to 143"
- Minimum lowered platform height of 11"
- Operator platform capacity 500#
- Pneumatic/hydraulic power for hazardous areas
- Electric/hydraulic power for non-hazardous areas
- Filter/Regulator/Lubricator (pneumatic version only)
- Platform dimensions 66" long x 30" wide
- Fixed hand control with Emergency Stop
- Base control to raise and lower platform
- 3/8" NPT auxiliary air supply in operator platform
- 42" high guard rail with a self-closing gate
- Vertical speed 15 FPM
- Requires clean, dry, air supply of 50 SCFM at 90 PSI
- Minimal installation - Quick and easy connection to air source, 1/2" NPT

LPSMT Models also Include:

An easy to use Transport Handle Kit (components shaded in gray) for mobility and positioning between work areas. Transport Handle Kit includes: 6" rigid casters and a pull-down handle with retractable steering wheel for maneuverability. Also included is a safety switch to prevent the operator platform from being raised with transport handle in "transport" position.



Model LPSM & LPSMT: Scissor Lifts

Model	Max Work Height	Raised Floor Height	Lowered Floor Height	Overall Length	Overall Width
LPSM-48*	121"	49"	11"	83"	30"
LPSM-96*	164"	92"	16"	83"	30"
LPSM-144*	212"	140"	18"	83"	30"
LPSMT-48	124"	52"	13 1/2"	98"	46"
LPSMT-96	167"	95"	19"	98"	46"
LPSMT-144	215"	143"	21"	98"	46"

* UNIT MUST BE BOLTED TO FLOOR

Slab Type Machine should only be raised on a hard flat level surface.

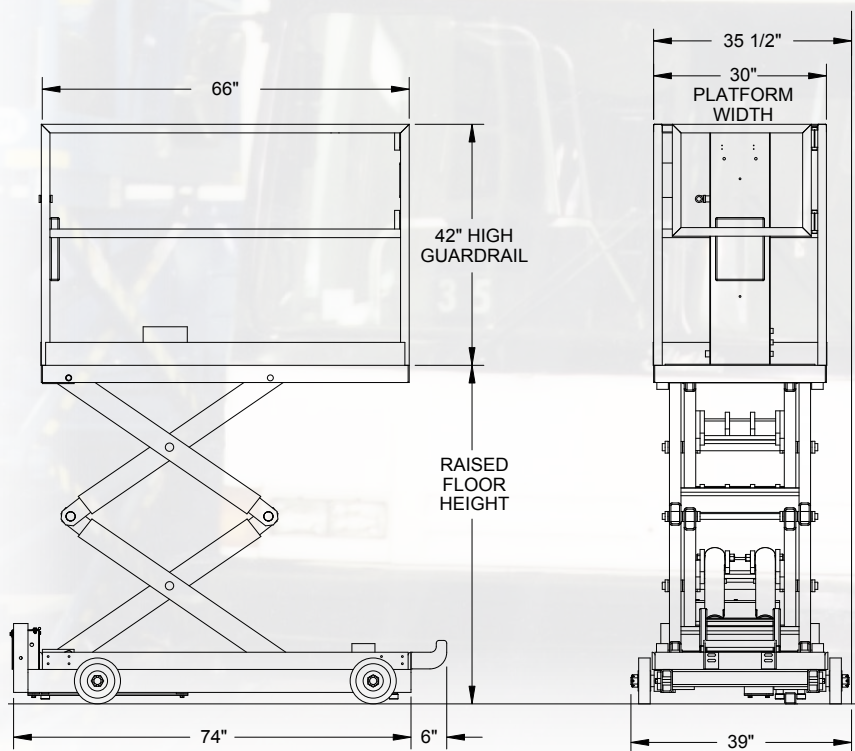
All models meet applicable OSHA/ANSI Standards as interpreted by LPI, Inc.

Model LPST: Rail Guided Lift Systems

Rail guided lifts are designed for use where a work process is performed along a fixed linear work area. Ideal for paint applications with limited booth structure or welding areas and blast media booths where ladders are not a safe alternative. Installation requirements are minimal with many lift options available.

All Models Include:

- Raised platform heights ranging from 53" to 144"
- Minimum lowered platform height of 14 1/2"
- Operator platform capacity 500#
- Pneumatic/hydraulic power for hazardous areas
- Electric/hydraulic power for non-hazardous areas
- Filter/Regulator/Lubricator (pneumatic versions only)
- Platform dimensions 66" long x 30" wide
- Fixed hand control with Emergency Stop
- Base control to raise and lower platform
- 3/8" NPT auxiliary air supply in operator platform
- 42" high guard rail with a self-closing gate
- Horizontal speed variable up to 40 FPM
- Vertical speed 15 FPM
- Requires clean, dry, air supply of 50 SCFM at 90 PSI



Model LPST: Rail Guided Lift Systems					
Model	Max Working Height	Max Platform Height	Lowered Floor Height	Overall Length	Overall Width
LPST-48	125"	53"	14 1/2"	80"	39"
LPST-96	168"	96"	22"	80"	39"
LPST-144	216"	144"	24"	80"	39"

Slab Type Machine should only be raised on a hard flat level surface.

All models meet applicable OSHA/ANSI Standards as interpreted by LPI, Inc.

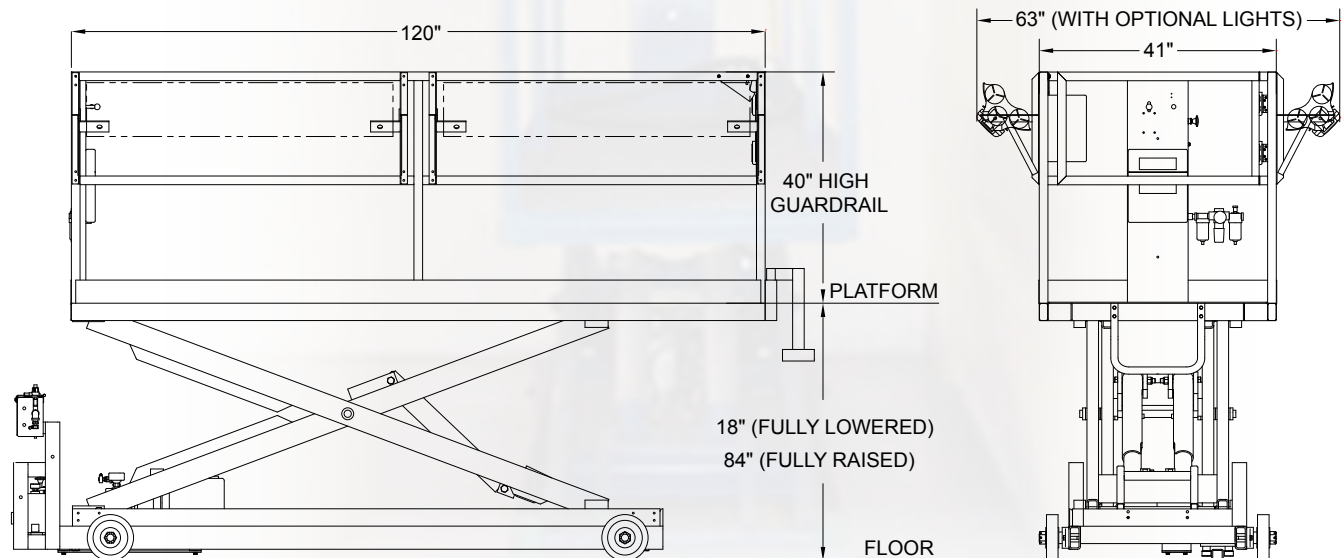
Model TK: Rail Guided Lift Systems

The TK rail guided scissor lift is similar in operation to the LPST lift series but features a longer and wider platform with a higher load capacity. Utilized in maintenance pits for fluid changing this unit can be fitted with explosion proof light fixtures to provide lighting for the underside of vehicles.



- Raised platform height up to 84" maximum
- Lowered platform height of 18" from floor to platform deck
- Maximum capacity 1000#
- Pneumatic/hydraulic power for hazardous areas
- Electric/hydraulic power for non-hazardous areas
- Filter/Regulator/Lubricator (pneumatic versions only)
- Platform dimensions 120" long x 41" wide
- Hand controls for X-axis, Z-axis, and Emergency Stop
- Base controls to raise and lower platform
- Auxiliary air connection in platform with Filter/Regulator/Lubricator for tools and equipment
- 40" high guardrails with 4" toe boards
- Self-closing gate on one end of platform
- Horizontal speed variable up to 40 FPM
- Vertical speed 15 FPM
- Requires clean, dry, air supply of 50 SCFM @ 90 PSI

Platform size and capacity make this a versatile lift system for applications in fabrication and assembly areas. Platform can be modified with roll-outs and entry gate options.



Model TK: Rail Guided Lift Systems						
Model	Max Working Height	Max Raised Floor Height	Min Lowered Floor Height	Platform Length	Overall Platform Width	Overall Width with Lights
TK	156"	84"	18"	120"	41"	63"

Slab Type Machine should only be raised on a hard flat level surface.

All models meet applicable OSHA/ANSI Standards as interpreted by LPI, Inc.

Model LPSPH: Work/Catch Platforms

The LPSPH Work/Catch platform is a versatile and easily modified lift system. The operator platform can be adjusted in length with the roll-outs situated on each end. The base height can be raised or lowered on the adjustable legs to allow for positioning over obstacles.

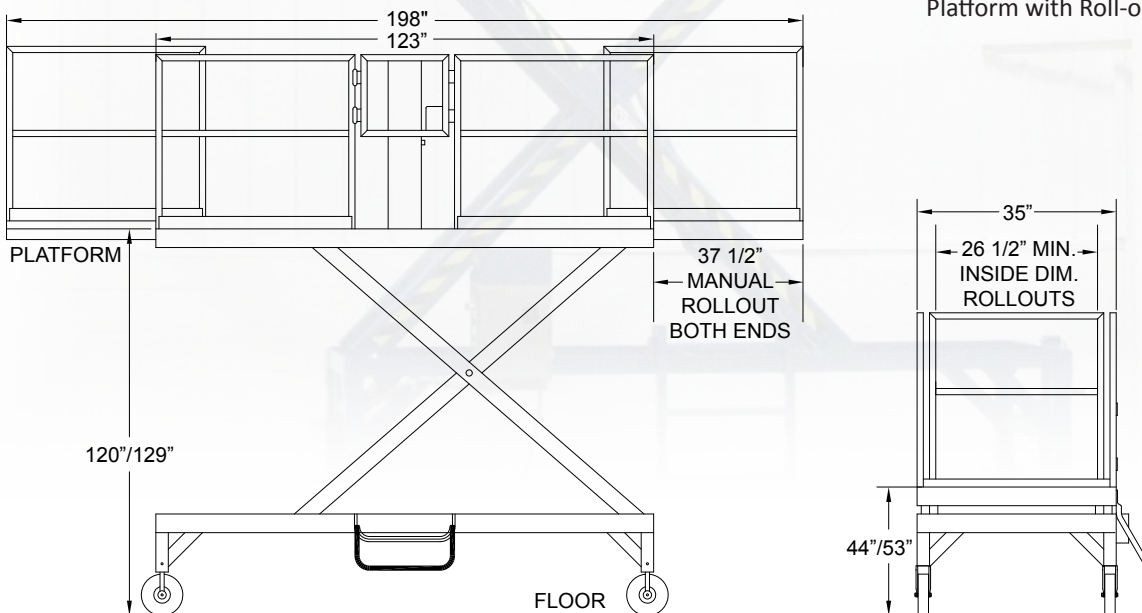
- Raised platform height up to 129"
- Minimum lowered platform height 44"
- Capacity (Maximum): Platform: 1500# Roll-out: 300#
- Pneumatic/hydraulic power for hazardous areas
- Electric/hydraulic power for non-hazardous areas
- Filter/Regulator/Lubricator (pneumatic versions only)
- Platform length 123", extendable to 198"
- Platform width 35", Roll-out width 30"
- Fixed hand controls with Emergency Stop
- Base controls to raise and lower platform
- 3/8 NPT auxiliary air supply in operator platform
- 42" high guard rail with self-closing gate
- Vertical speed 15 FPM
- Platform can be modified for size and entry gate location
- Adjustable leg height for positioning over products or fixtures
- Locking swivel casters
- Requires clean, dry, air supply of 50 SCFM @ 90 PSI



Platform with Roll-outs Retracted



Platform with Roll-outs Extended



Model LPSPH: Work/Catch Platforms						
Model	Max Working Height	Max Raised Floor Height	Min Lowered Floor Height	Platform Length	Overall Platform Width	Inside Width of Roll-outs
LPSPH35123120	201"	129"	44"	123"/198"*	35"	26 1/2"

Slab Type Machine should only be raised on a hard flat level surface.

All models meet applicable OSHA/ANSI Standards as interpreted by LPI, Inc.

* Platform with Roll-outs in retracted/extended position.

Model EWT & EWP: Elevating Work Tables and Platforms

EWT & EWP scissor lifts are compact and versatile. EWT is an air/hydraulic powered adjustable height work table suitable for use in hazardous environments to ergonomically position products or material. The EWP is a handy air/hydraulic personnel lift that's ideal for use in confined or narrow work areas.



EWP-4 Shown with Caster Kit



EWT-4 Work Table

- Platform dimensions 66" long x 20" wide
- Maximum raised platform height 46"
- Lowered platform height 10"
- Platform capacity EWT = 1000#
- Platform capacity EWP = 500#
- EWP: guardrails 42" high with 4" toe boards
- Pneumatic/hydraulic power unit
- Requires clean, dry, air supply of 8 SCFM @ 100 PSI
- Travel speed up: 5 FPM
- Travel speed down: 15 FPM
- EWT reduces fatigue and minimizes excessive movement associated with manual lifting and positioning

Options:

- Caster Kit**
- Bolt Down Kit**
- T-Bar Transport Kit
- Access Ramp Kit*

*Can only be used with bolt down kit

**Cannot be used together

Caster Kit and T-Bar Transport Options



T-Bar Transport Kit



Caster Kit

Model EWT & EWP: Elevating Work Tables and Platforms						
Model	Max Working Height	Raised Floor Height	Lowered Floor Height	Platform Capacity	Overall Length	Overall Width
EWT-4 (Work Table)	10'	46"	10"	1000#	66"	20"
EWP-4 (Work Platform)	10'	46"	10"	500#	66"	20"

SLAB TYPE MACHINE SHOULD ONLY BE RAISED ON A HARD FLAT LEVEL SURFACE.

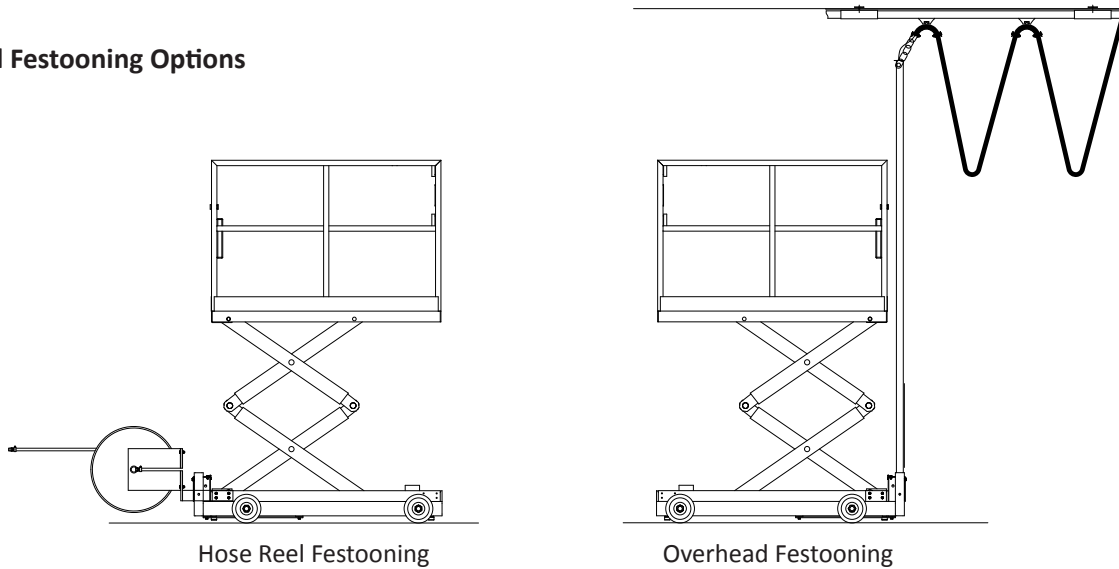
All models meet applicable OSHA/ANSI Standards as interpreted by LPI, Inc.

INSTALLATION KITS FOR SCISSOR LIFTS

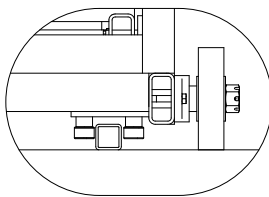
Standard Installation Kits Include:

- Lower guide rail, 2" x 2" x ¼" tube, is pre-drilled for concrete anchors
- Concrete anchors for securing guide rail and rail stops for the ends of lift travel
- Main air line assembly including main air hose, NPT couplers, strain relief, and hose clamps
- Hose reel festooning kit includes a lift mounted, retractable hose reel with main air line
- Overhead festooning kit includes festooning track for mounting to ceiling or wall and hose trolleys/carriers
- Length of installation kit rails and hose available in 10' increments

Standard Festooning Options

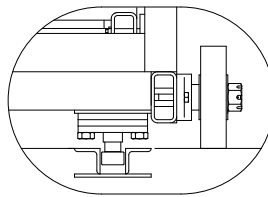


Standard Guide Rail Mounting

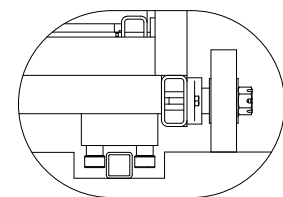


Surface Mounted

Optional Guide Rail Mounting configurations



Recessed



Floor Slot

Guide Rail Options:

- Mounting plates, anchoring tabs or spacers (to elevate rail for drainage)
- Optional bumper and end rail stops
- In floor guide or recessed channel for lower guide rail (consult LPI for options and included material)
- Rail shape/material may change depending on customer or application requirements

Custom design options available - Consult Factory

LPI can offer a technician to assist with installation of our equipment. Contact LPI for more information.

SCISSOR LIFTS & WORK PLATFORMS

Scissor Lift Modifications

STANDARD LIFT OPTIONS:

- Foot control for vertical or horizontal travel
- Accordion skirt/bellows
- Explosion proof lights and switch (TK only)
- Platform roll-outs/extensions
- Electric/hydraulic power unit
- Rubber bumper stops (rail guided lifts only)
- Specialty paint color and types

Above is a partial list of modifications that LPI can make to your lift to better fit your application. We will involve you in all aspects of the design process to find the best fit of features to address your specific process and needs.



Foot Control



Accordion Skirt/Bellows



Platform Roll-outs/Extensions

TYPICAL APPLICATIONS:

- Paint/Powder/Coating Application
- Blast Booth/Room (Stripping & Surface Prep)
- Welding/Fabrication/Assembly
- Wash/Rinse (Prep)
- Fall Protection/Safety/Ergonomics
- Maintenance/Inspection
- Material Handling/Loading Bays
- Clean Room



COMMON INDUSTRIES SERVED:

- Aircraft & Aerospace
- Agricultural & Construction Equipment
- Electrical Power and Distribution
- Light Rail and Bus Manufacturing/Maintenance
- Military Equipment
- Rail Car and Locomotive Manufacturing/Maintenance
- Rail Systems
- Transit Authorities
- Trucks and Recreational Vehicles

OTHER LPI PRODUCTS

Multi-Axis Lifts

Standard and custom multi-axis personnel lifts



Multi-Axis Paint Booth Lift



Multi-Axis Extended Reach Lift



Multi-Axis Blast Booth Lift

Custom Design

Custom lift systems for specific applications



Large Work Platform



Dual Mast Work Platform



Overhead Lift System

Material Handling

Custom Solutions to meet your material handling needs



Flatbed Loading Platform



Material Retrieval System



Material/Product Pick Unit

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Designed To Increase Productivity
and Improve Personnel Safety



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