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COMPLETE LINE OF INDUSTRIAL MANIPULATOR ARMS

UltiBalance™
UltiRail™
UltiHydra™
UltiMate PN™
UltiMate Precision™

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UltiRail™ Manipulator

Choose the UltiRail™ Manipulator Arm When:

- Precise product placement is desired.
- There are wide weight variations of product to be lifted.
- Work needs to be performed on the product while it is rigidly suspended by the manipulator.
- There is limited horizontal reach but maximum vertical travel is desired.

Designed for
Performance,
Safety and
Productivity



UltiRail™ Manipulator Features

Superior Performance and Safety

Chain Hoist: Electric or Pneumatic
Ball Screw: Electric or Pneumatic

- Designed to reach under obstructions and into work areas
- Custom end-effectors easily adapt to each machine with standard flange mount
- Pilot operated lock valves on clamp cylinders prevent loss of payload if supply pressure is interrupted
- Custom-designed controls for optimal user comfort and efficiency
- Safety circuit and brakes prevent unwanted downward movement
- Quiet operation
- Inherent machine qualities provide precise product placement
- Anti-drift brakes prevent unwanted movement when machine is not in use
- Low-maintenance system
- Easy installation

Exceptional Quality

- Durable powder coated finish
- Sealed precision bearings provide long life, smooth motion and less maintenance
- Engineered for minimal deflection
- Designed with 3D modeling software for customer pre-approval and manufacturing reliability
- Ball screw technology ensures reliability and machine longevity
- Chain hoist provides reliable and proven lifting solutions

Manipulative behavior you'll thank us for.



ADVANCED
Manipulator Specialists, Inc.

Scan with your
SmartPhone to
learn about our
full product line.



123 Memorial Drive NW • P.O. Box 65 • Hoffman, MN 56339
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UltiRail™ Manipulator Arms

Easily accommodate up to 2500 lbs. with the UltiRail industrial manipulator arm. The UltiRail is an optimal lift assist system when there is limited horizontal reach but maximum vertical travel is desired. Regardless of product weight variations, no adjustments are required to handle variable payloads. This robust low-maintenance machine provides rigid and reliable solutions.

Versatile mounting options and customized capabilities allows this system to fit into any work environment.

Customization to machine and/or end-effector will accommodate virtually any product, weight or application.

Mounting Options:

- Floor pedestal
- Fixed overhead
- Overhead trolley
- Building column
- Portable base

Custom End-Effectors:

- Gripper
- Probe
- Vacuum
- Clamp
- Hook

100% Designed,
Manufactured &
Assembled in USA

Made in USA



UltiRail Model	Weight Capacity Lbs.	Maximum Horizontal Reach Feet	Maximum Vertical Travel Feet	Controls	Power Supply
200 CH	200 lbs.	10'	8'	Single or Variable Speed Controls Available On All Models.	All Models Available With: 120 VAC, 240 VAC, 460 VAC, or Pneumatic
200 BS	200 lbs.	10'	8'		
400 CH	400 lbs.	10'	6'		
400 BS	400 lbs.	10'	6'		
650 CH	650 lbs.	8'	6'		
650 BS	650 lbs.	8'	6'	All Models Electric or Pneumatic	
1000 CH	1000 lbs.	8'	6'		
1000 BS	1000 lbs.	8'	6'		
1500 CH	1500 lbs.	8'	4'		
1500 BS	1500 lbs.	8'	4'		
2500 CH	2500 lbs.	8'	4'		
2500 BS	2500 lbs.	8'	4'		

*CH denotes Chain Hoist,
BS denotes Ball Screw

*It's Time To
Get Moving...*



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