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COMPLETE LINE OF INDUSTRIAL MANIPULATOR ARMS

UltiBalance™

UltiRail™

UltiHydra™

UltiMate PN™

UltiMate Precision™

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UltiBalance™ Manipulator



Designed for
Performance,
Safety and
Productivity

Choose the UltiBalance™ Manipulator Arm When:

- Precise product placement is crucial.
- There are minimal weight variations of product lifted.
- Effortless flotation of product is desired.
- A pneumatically powered machine is preferred.

UltiBalance™ Manipulator Features

Superior Performance and Safety

- Standard float mode for ultimate product placement
- Custom end-effectors easily adapt to each machine with standard flange mount
- Anti-drift brakes prevent unwanted movement when machine is not in use
- Custom-designed controls for optimal user comfort and efficiency
- Pressure switch controlled valves prevent unwanted downward motion in event of lost air supply
- Pilot operated check valves on gripper cylinder prevent loss of payload if air supply is interrupted
- Designed to reach under obstructions and into work areas
- Ultimate stability and product placement achieved with rigid support and customized engineering
- Low-maintenance system
- Easy installation

Exceptional Quality

- Durable powder coated finish
- Sealed precision bearings provide long life, smooth motion and less maintenance
- Includes air regulator/filter with lockout valve
- Engineered for minimal deflection
- Designed with 3D modeling software for customer pre-approval and manufacturing reliability

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



Manipulative behavior you'll thank us for.



ADVANCED
Manipulator Specialists, Inc.

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UltiBalance™ Manipulator Arms

Fluid movement and zero-gravity flotation allows operators to achieve precise product placement with the UltiBalance lift assist system. Standard models accommodate loads up to 600 lbs. Utilize a customized machine for unique applications.

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



It's Time To Get Moving...

UltiBalance Model	Weight Capacity Lbs.	Maximum Reach Feet	Maximum Vertical Travel Inches	Controls
50S	50 lbs.	6'	30"	Electrical or Pneumatic Controls Available On All Models
50L	50 lbs.	12'	60"	
100	100 lbs.	12'	60"	
250	250 lbs.	10'	60"	
400	400 lbs.	8'	48"	
600	600 lbs.	8'	48"	

Applications outside the boundaries of standard machines will be custom designed; there are virtually no product and weight limitations.



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