

123456890
123456890
987875
9876

COMPLETE LINE OF INDUSTRIAL MANIPULATOR ARMS

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

7645667754765
76456677
7675654
875677665

UltiMate™ Precision Manipulator



Designed for
Performance,
Safety and
Productivity

Choose the UltiMate™ Precision Manipulator Arm When:

- There are wide weight variations of product manipulated.
- Work needs to be performed on the product while it is rigidly suspended by the manipulator.
- Precise product placement is desired.
- A electrically powered machine is preferred.

UltiMate™ Precision Manipulator Features

Superior Performance and Safety

- Electric ball screw actuator provides precise product placement and smooth motion
- Regardless of weight variations, no adjustments are required to handle variable payloads
- Custom end-effectors easily adapt to each machine with standard flange mount
- Anti-drift brakes prevent unwanted movement when machine is not in use
- Designed to reach under obstructions and into work areas
- Quiet operation
- Custom-designed controls for optimal user comfort and efficiency
- Safety brake prevents unwanted downward movement
- Safety circuit provided to prevent unwanted movement in event of lost electrical supply
- Fingertip joystick along with variable frequency drive provides speed control for ultimate placement
- Low-maintenance system
- Easy installation

Manipulative behavior you'll thank us for.

Exceptional Quality

- Durable powder coated finish
- Sealed precision bearings provide long life, smooth motion and less maintenance
- Ball screw technology ensures reliability and machine longevity
- 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.



ADVANCED
Manipulator Specialists, Inc.

123 Memorial Drive NW • P.O. Box 65 • Hoffman, MN 56339
Phone 320-986-2194 • Fax 320-986-2193
sales@advancedmanipulator.com www.advancedmanipulator.com

UltiMate™ Precision Manipulator Arms

Manipulate your product with precision and ease using the UltiMate™ Precision manipulator arm. Regardless of product weight variations, no adjustments are required to handle variable payloads. The UltiMate™ Precision lift assist system will inherently maintain a clean and quiet working environment. Standard models will accommodate capacities up to 1000 pounds. 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...*



UltiMate Precision Model	Weight Capacity Lbs.	Maximum Reach Feet	Maximum Vertical Travel Inches	Controls	Power Supply
200	200 lbs.	12'	72"	Single or Variable Speed Controls Available On All Models.	All Models Available With: 120 VAC, 240 VAC, 460 VAC, or 12 VDC, 24 VDC, 48 VDC
400	400 lbs.	10'	60"		
600	600 lbs.	10'	60"		
1000	1000 lbs.	10'	60"		

Examples
of just some
of our
available
custom
end-effectors



ADVANCED
Manipulator Specialists, Inc.

123 Memorial Drive NW • P.O. Box 65 • Hoffman, MN 56339
Phone 320-986-2194 • Fax 320-986-2193
sales@advancedmanipulator.com www.advancedmanipulator.com