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

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 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

It’s Time To Get Moving...

<table>
<thead>
<tr>
<th>UltiBalance Model</th>
<th>Weight Capacity Lbs.</th>
<th>Maximum Reach Feet</th>
<th>Maximum Vertical Travel Inches</th>
<th>Controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>50S</td>
<td>50 lbs.</td>
<td>6’</td>
<td>30”</td>
<td>Electrical or Pneumatic Controls Available On All Models</td>
</tr>
<tr>
<td>50L</td>
<td>50 lbs.</td>
<td>12’</td>
<td>60”</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>100 lbs.</td>
<td>12’</td>
<td>60”</td>
<td></td>
</tr>
<tr>
<td>250</td>
<td>250 lbs.</td>
<td>10’</td>
<td>60”</td>
<td></td>
</tr>
<tr>
<td>400</td>
<td>400 lbs.</td>
<td>8’</td>
<td>48”</td>
<td></td>
</tr>
<tr>
<td>600</td>
<td>600 lbs.</td>
<td>8’</td>
<td>48”</td>
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</tbody>
</table>

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

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