With up to 6000-pounds capacity, Positech’s Vertical Lift Cylinder is ideal for straight line transfer, over-the-assembly line handling and reach-in operations when combined with overhead rail system or a Positech Articulated Jib Boom.

**Smooth**

**Flexible**

The Positech V-Lift system is uniquely designed with a pneumatic or hydraulic lift cylinder. This lift cylinder provides smooth, controlled lift with the flexibility of off-center loading. Control circuits and auxiliary/optional components mount on the cylinder case, keeping the tooling and operator sight lines free of obstructions. The V-lift can be mounted on a monorail trolley, a dual rail bridge, or on the Positech Articulated Jib Boom.

*Standard or customized tooling and controls are available to meet your requirements.*
For Performance and Quality
• Monorail, dual bridge system and Positech Articulated Jib mount options
• Up to 400,000 inch pounds of off-center loading allows side loading and reach in
• Optional 360° continuous rotation around its vertical axis
• Push button or twist-style up/down controls
• Pneumatic includes air filter/regulator system. Does not require line lubrication
• Standard flange plate bottom mounting for adaptability to a variety of special tooling
• Pneumatic units require 90 psi clean dry input pressure. Hydraulic unit requires 240/460 VAC single or three-phase power
• Precision bearing and thrust washers at joints for smooth motion and long life

Safety Features
• 5:1 design factor minimum on all structural components
• Pilot operated lock valves on lift cylinder and gripper cylinders prevent vertical arm movement and loss of payload in the event of a power loss
• Gripper Safety Circuitry available. Prevents accidental release of unsupported parts.
• Narrow design lift assemblies minimize obstructions in the operator’s line of sight

Specifications for Standard Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Lifting Capacity (lbs.)*</th>
<th>Maximum Moment Load (in.-lbs.)</th>
<th>Vertical Lift (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lite Lift</td>
<td>400</td>
<td>0</td>
<td>24-48</td>
</tr>
<tr>
<td>Pneumatic</td>
<td>2,500</td>
<td>24,000</td>
<td>12-72</td>
</tr>
<tr>
<td>Hydraulic</td>
<td>6,000</td>
<td>400,000</td>
<td>12-72</td>
</tr>
</tbody>
</table>

* Includes payload and tooling
Power requirement: 90 psi clean, dry air or 220/440 VAC.