

# Vertical Lift Cylinder

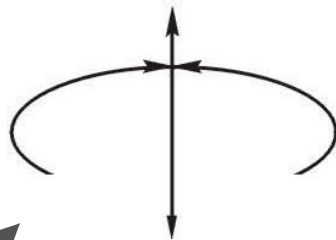
With up to 6000-pounds capacity, Positech's Vertical Lift Cylinder is ideal for straight line transfer, over-the-assembly line handling and reach-in operations when combined with overhead rail system or a Positech Articulated Jib Boom.

**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.*



**Positech**<sup>TM</sup> Corporation  
A Division of American Handling Systems, Inc.

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Quality System Registered  
ISO 9001:2000/Q9001:2000  
Certificate QSR-496

## 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



Tool transfers packaged 150 pound furniture products off end of assembly line.

## 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



This Lite V-Lift with vacuum tool offers an economic solution for simple straight-line transfer.

## Specifications for Standard Models

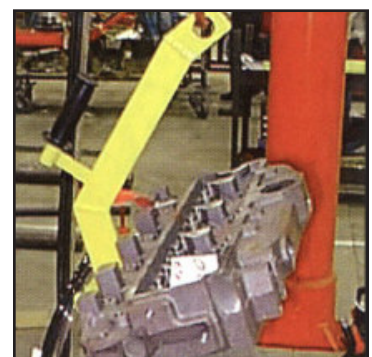
Model	Lifting Capacity (lbs.)*	Maximum Moment Load (in.-lbs.)	Vertical Lift (in.)
Lite Lift	400	0	24-48
Pneumatic	2,500	24,000	12-72
Hydraulic	6,000	400,000	12-72

\* Includes payload and tooling

Power requirement: 90 psi clean, dry air or 220/440 VAC.



This specialized tool allows for the installation of 2,800 pound tires onto a tractor.



Simple hook tool transfers engine heads during the machining process.

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