

LodeArm™ & LodeArm II™



Our LodeArm and LodeArm II lightweight manipulators provide excellent maneuverability of payloads up to 225 pounds, increasing employees' capacity to perform physically stressful, repetitive lifting tasks.

Lightweight
Compact

Easily adjustable to fit almost any work cell, Positech's LodeArm and LodeArm II is a high-capacity lift system in a very compact package. These unit provide rigid support and reach-in capability.

The LodeArm 4500 functions in low headroom spaces, with a horizontal lift arm that swings downward 45°. Model 3030's horizontal lift arm travels 30° up and down. The LodeArm II is mounted on an overhead light rail trolley.

Standard or customized tooling and controls are available to meet your requirements.

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

For Performance and Quality

- Lightweight and easy to position
- Push-button up/down valve controls lift and lower for ease of operation
- Up and down speed valves for precise load controls
- Optional balance controls allow operator to achieve critical load positioning by hand, without activating up/down valve
- 360° rotation at main post
- Radial reach up to 113 in.
- Vertical travel up to 54 in.
- Parallel link standard supports loads beyond end of arm
- Pneumatic is designed to be operated with clean and dry air
- 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 valve on lift cylinder and gripper cylinders prevents vertical arm movement and loss of payload if supply pressure is interrupted
- Gripper Safety Circuitry available. Prevents accidental release of unsupported parts
- Lost Load Cylinder is a separate, sealed hydraulic device that protects the operator from any sudden, uncontrolled vertical motion of the manipulator's arms

Specifications for Standard Models

Model	Maximum Lifting Capacity at 77 in. (lbs.)*	Vertical Lift (in.)**	Maximum Reach (in.)
LA-3030	225	54	113
LA-4500	225	38	113
LAI-3030	225	54	61
LAI-4500	225	38	61

Requires 80 psi clean and dry air to operate at rated lift capacity

* Maximum capacity at 36" lift arm length. Capacity varies according to arm length.

Includes payload and tooling

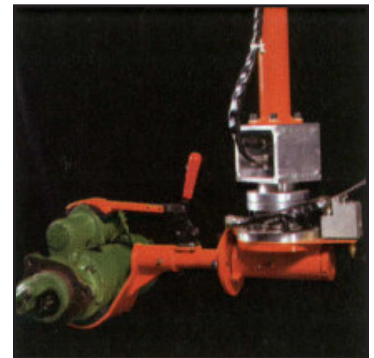
** Vertical lift varies according to lift-arm length



Vacuum tool handles picture tube funnels during the manufacturing process.



Tool positions engine heads for placement into a 5-axis machining center.



Manually-operated tool picks up 125-pound starters and transfers to the engine during final assembly of a tractor engine.



Tool manipulates disk brake hubs through the various manufacturing and machining operations.

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