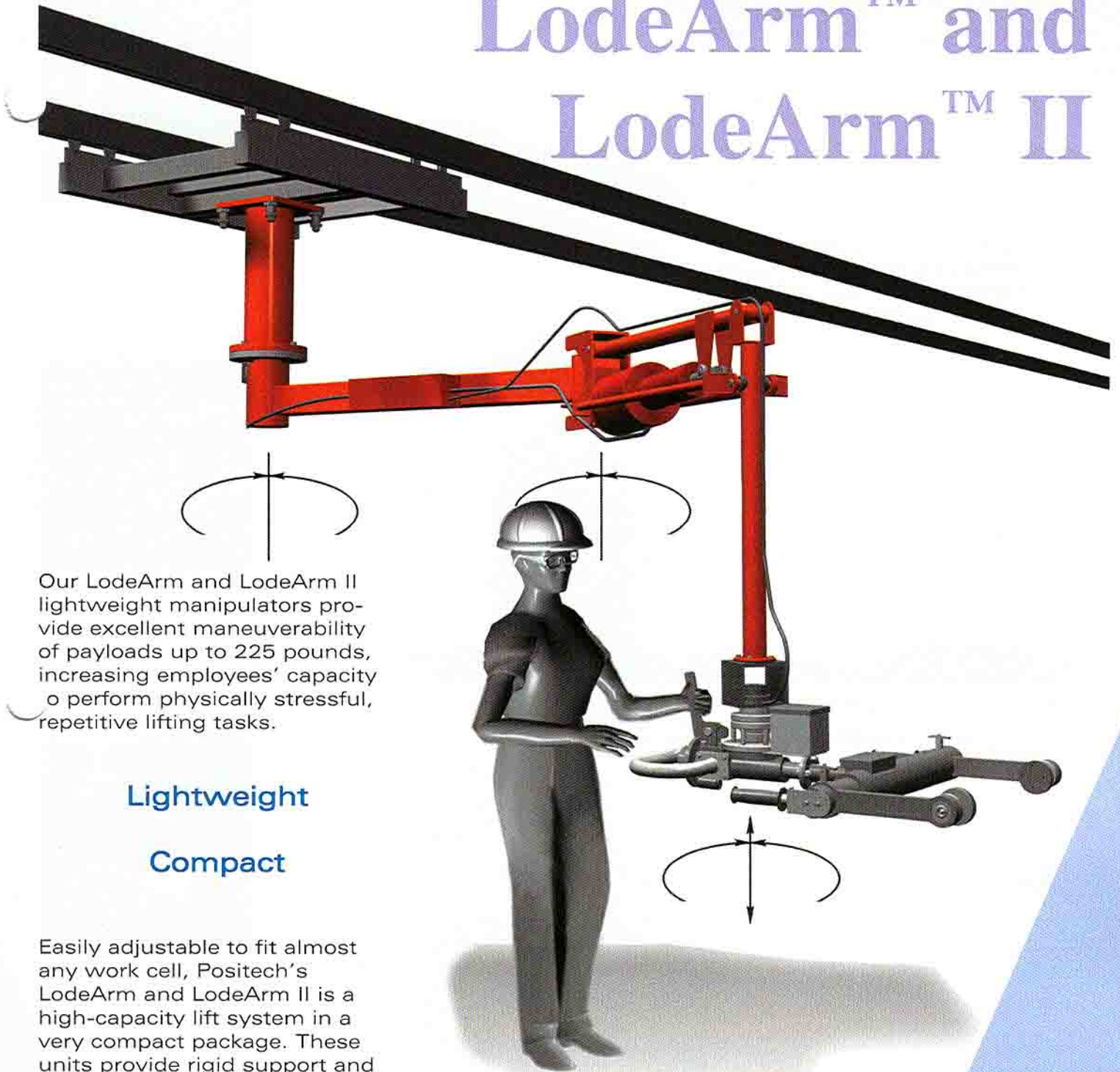


# LodeArm™ and LodeArm™ II



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 units 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.*

**Positech™**  
A Division of Columbus McKinnon Corporation



Quality System Registered  
ISO 9001:2004/Q9001:1994  
Certificate QSR-498

## 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 control
- 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 available to support loads beyond end of arm
- Pneumatic is designed to be operated with clean and dry air
- Precision bearings 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 senses the pressure in the cylinder and does not allow the part to be released from tooling unless it is supported
- Lost Load Cylinder is a separate, sealed hydraulic device that protects the operator from any sudden, uncontrolled vertical motion of the manipulator's arms

## LodeArm 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
LAll-3030	225	54	61
LAll-4500	225	38	61

Requires 80-psi clean and dry air to operate at rated lift capacity  
 \*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.