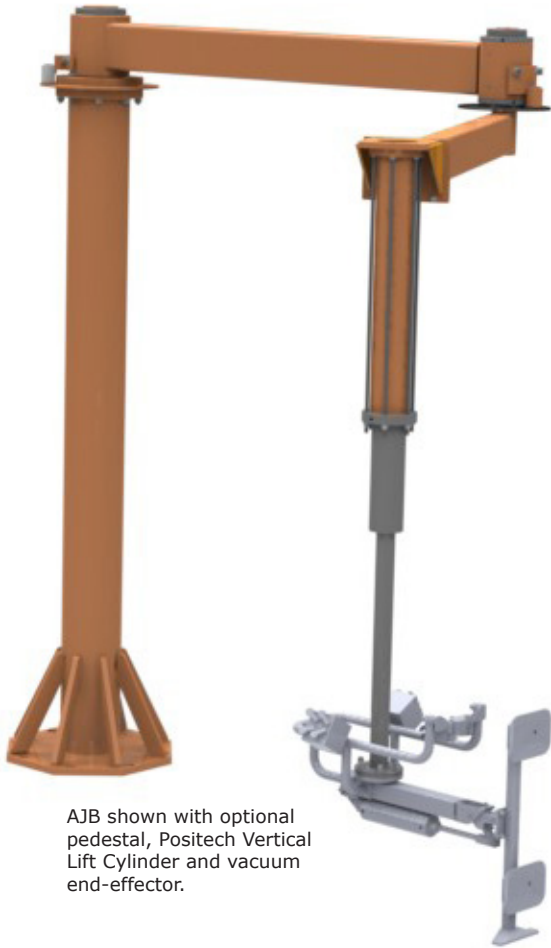


# Articulated Jib Boom

MANIPULATOR

LOW HEADROOM. MANEUVERABILITY. ERGONOMIC.



AJB shown with optional pedestal, Positech Vertical Lift Cylinder and vacuum end-effector.

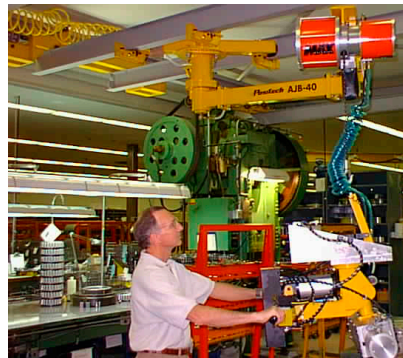
Positech's Articulated Jib Boom (AJB) can be used as an alternative to an overhead rail system or single arm jib. The low headroom design along with two 360 degree rotation axes, allow this handling aid to reach-in and maneuver over or around work cell obstructions. The AJB is available in five model configurations, provides up to 5,000 pounds of payload capacity and spans up to 20 feet.

The AJB can be combined with the Positech Vertical Lift Cylinder to create an ergonomic lift assist that offers rigid vertical movement and off-center moment loading capabilities.

## ❖ Applications



Pedestal mounted AJB with Vertical Lift Cylinder handling rotary dies.



Trolley mounted AJB with balancer handling a bearing race.



Pedestal mounted AJB with Vertical Lift Cylinder handling white goods.

**Positech**  
CORPORATION

# Articulated Jib Boom

## MANIPULATOR

LOW HEADROOM. MANEUVERABILITY. ERGONOMIC.

### For Performance and Quality

- Middle joint leveling to prevent second arm drift
- Precision bearings at rotation axes for smooth motion and long life
- Adjustable friction brakes on all rotation axes allows the operator to set arm motion for ease of operation
- Standard capacities up to 5,000 pounds
- Can be configured with an air or electric hoist, pneumatic balancer, vacuum tube lifter or vertical lift cylinder to fit your material handling need
- Optional electric collector rings or air swivels available to allow 360° continuous rotation
- Mounting options: overhead, trolley, pedestal, wall mount, column, machine or mobile/portable base

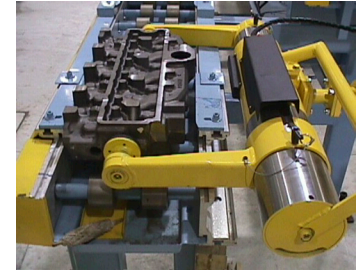
### Positech Advantages

- 5:1 design factor minimum on all structural components
- Floor mounted pedestal provided with concrete anchor bolts, mounting hardware and leveling jacks for ease of installation (No grout required)
- Requires no overhead support when floor mounted
- Complies with CE and other National Standards

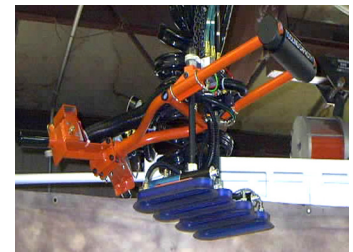
### Technical Specifications

Model	Capacity* lbs (kg)	Reach ft (m)
AJB60	200-1000 (90-450)	4-20 (1-6)
AJB90	300-1500 (130-680)	4-20 (1-6)
AJB150	500-2500 (230-1130)	4-20 (1-6)
AJB300	1000-5000 (450-2270)	4-20 (1-6)

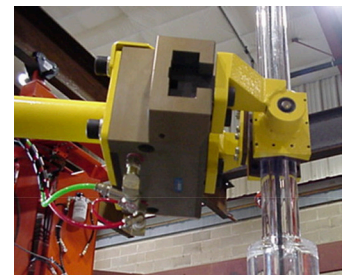
\*Includes payload and end-effector; increasing arm length reduces payload capacity



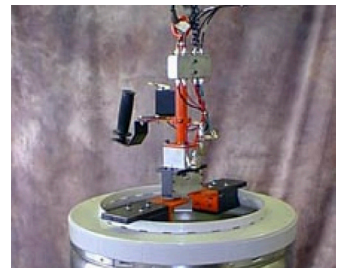
OD gripper end-effector loading a machining center.



Hook hung vacuum end-effector with extended pivoting handle.



OD gripper end-effector handling fiber optic glass rods.



Hook hung ID gripper handling a washer tub in the assembly process.



### Custom End-effectors

Customized end-effectors, operator controls, and specialized pneumatic circuitry are available to meet your requirements.