

**Product Data – Manipulators****Preston-Eastin Model MA-88 MD****Capacity**

- Weight: 150 pounds on each or either end
- Travel: 8 feet actual vertical and horizontal travel

**Vertical axis**

- Construction: Structural steel with continuously welded roundways
- Motor: 1/2 HP AC brakemotor
- Lift speed: 30 inches per minute
- Rollers: Hardened steel on eccentric shafts
- Safety: Spring-applied locking device limits uncontrolled vertical travel

**Horizontal axis**

- Construction: Structural steel with continuously welded roundways
- Motor: 1/2 HP variable speed DC
- Ram speed: 4.0 to 100 inches per minute
- Ram speed accuracy: 2% of base speed
- Rollers: Hardened steel on eccentric shafts

**Base**

- Construction: Welded steel
- Bearings: Tapered-roller bearings
- Locks: Two friction locks
- Standard base plate: Six 3/4 inch holes on a 13 inch bolt circle

**Control**

- Pendant: Remote pendant with 30-foot cable
- Optional cable lengths: Available
- Ram speed control: One-turn potentiometer
- Ram Weld/Rapid Traverse: Two position selector switch
- Ram Fwd/Off/Rev: Three position selector switch
- Ram Start/Stop: Two individual pushbuttons
- Mast Up/Off/Down: Three position selector switch
- Power: 115 volts, single phase, 60 hertz

**Weight**

- Manipulator: 3000 pounds
- Optional free-standing base: 1270 pounds
- Optional travel car, 20' track: 7100 pounds

**Options**

- Additional travel, vertical or horizontal
- Powered travel car and track, (TCV-39/96 and TSV-1)
- Free-standing, four-leg base
- Digital LED ram speed indicator

