

MANUAL WORK POSITIONER

Ergo Master®

ERGOTRONIX



Electric and Pneumatic
EM304-400
w/ optional 90° tilt



Pneumatic only

Description

This versatile and safe work positioner enables you to move work to any suitable work position with easy height adjustment, 360° rotation and tilt.

Application

Ergo Master is ideal for secure positioning of any object for any project, no matter what size or shape. This manual work positioner offers unlimited applications in any industry and is advantageous in any shop floor or work area.

Ergonomic Benefit

- Eliminate employee strain, fatigue and injury.
- Create a safer and more productive work environment.

Standard Features

- Designed and built in the USA for the most robust and heavy-duty applications.
- Offers full flexibility to move work to any work positions.
- Adaptable to any work fixtures.
- Solid aluminum construction with stainless steel ball.
- Available in bench (2 axis) or floor pillar mount (3 axis) configurations.
- Four standard load classes: 50 lbs., 150 lbs., 300 lbs., 400 lbs. (2-axis only).
- Provides a positive, safe and secure position lock instantaneously in any desired work position.
- Operator adjustable friction resistance ensures a smooth and balanced transition between positions.
- One foot pedal controls the height position adjustment while the other foot pedal provides release of ball for easy tilt and rotation.

Options

- Slot in top block for 90° tilt.
- Protective dust and weld covers.
- Turn-table with 8 slots.
- Welding ground lug.
- Base casters.

Other Ergo Masters



Vertical Turn-table



Bench Mount

Application Examples

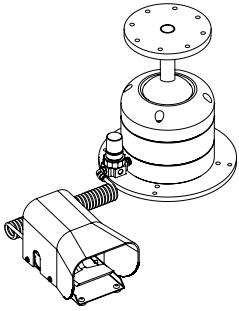


Solutions

CONVEYANDTRANSFER • LIFT • LIFTANDTRANSPORT • POSITION

TECHNICAL INFORMATION

2-Axis (Tilt & Rotation) Bench Mount ERGO MASTER

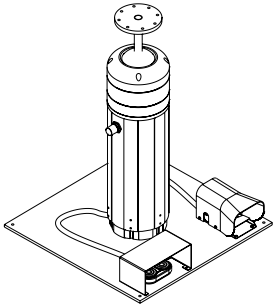


| Model | Max. Dynamic Capacity (lbs.) | Cylinder Diameter (in.) | Cylinder Height (in.) | Overall Height w/Fixture Plate (in.) | Fixture Plate Mounting Hole Pattern | *Base Plate Mounting Hole Pattern |
|----------|------------------------------|-------------------------|-----------------------|--------------------------------------|--|--|
| EM50-F | 50 | 3 7/8 | 3 1/2 | 5 3/4 | (4) 9/32" dia. holes on a 2.375" dia. Bolt Circle | (4) 9/32" dia. holes on a 4.50" dia. Bolt Circle |
| EM50-V** | 50 | 3 7/8 | 3 1/2 | 8 1/4 | N/A | (4) 9/32" dia. holes on a 4.50" dia. Bolt Circle |
| EM150 | 150 | 6 7/16 | 6 1/8 | 11 1/4 | (8) 3/8" 16 tapped holes on a 5.00" dia. Bolt Circle | (4) 9/32" dia. holes on a 8.75" dia. Bolt Circle |
| EM300 | 300 | 7 7/8 | 6 7/8 | 12 7/8 | (8) 3/8" 16 tapped holes on a 5.00" dia. Bolt Circle | (4) 9/32" dia. holes on a 8.75" dia. Bolt Circle |

*For fastening, use bolts with minimum hardness grade of at least 8.8. Screw in at least 1" deep.

** V indicates Vice mounted on top.

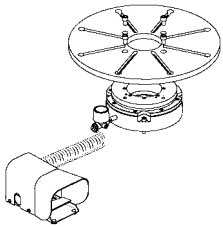
3-Axis (Up/Down, Tilt & Rotation) Floor Mount ERGO MASTER



| Model | Max. Dynamic Capacity (lbs.) | Retracted Height (in.) | Max. Height (in.) | Stroke (in.) | Pillar Sections | Lift Speed (in./sec.) | Pillar Voltage (V) | Pillar Amperage (A) | Pillar Duty Cycle (at 68°F) |
|-------------|------------------------------|------------------------|-------------------|--------------|-----------------|-----------------------|--------------------|---------------------|-----------------------------|
| EM153 | 150 | 30 3/4 | 42 3/4 | 12 | 2 | 1.2 | 110/60Hz | 5.0 | Intermittent Service 20% |
| EM153-PNEUM | 150 | 34 3/4 | 50 3/4 | 12 | 2 | Adjustable | - | - | 100% |
| EM154 | 150 | 34 3/4 | 50 3/4 | 16 | 2 | 1.2 | 110/60Hz | 5.0 | Intermittent Service 20% |
| EM303 | 300 | 32 3/8 | 44 3/8 | 12 | 2 | 1.2 | 110/60Hz | 5.0 | Intermittent Service 20% |
| EM303-PNEUM | 300 | 36 3/8 | 52 3/8 | 12 | 2 | Adjustable | - | - | 100% |
| EM304 | 300 | 36 3/8 | 52 3/8 | 16 | 2 | 1.2 | 110/60Hz | 5.0 | Intermittent Service 20% |

For fastening to floor, use bolts with minimum hardness grade of at least 8.8. Screw in at least 1" deep.

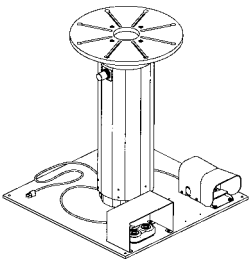
1-Axis (Rotation) Bench Mount ERGO MASTER



| Model | Max. Dynamic Capacity (lbs.) | Height (in.) | Turntable Diameter (in.) | Turntable Thickness (in.) | Turntable Slot Size | Bolt Head Opening (in.) | *Mounting Hole Pattern |
|-------|------------------------------|--------------|--------------------------|---------------------------|--------------------------|-------------------------|---|
| EM400 | 400 | 3 3/4 | 15 5/8 | 5/8 | (8) 0.39" wide 45° apart | 0.68 | (4) 3/32" dia. holes on a 7.75" Bolt Circle |

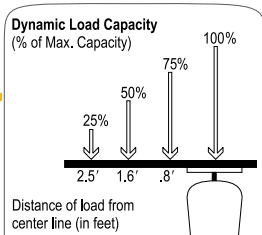
*For fastening, use bolts with minimum hardness grade of at least 8.8. Screw in at least 1" deep.

2-Axis (Up/Down & Rotation) Floor Mount ERGO MASTER



| Model | Max. Dynamic Capacity (lbs.) | Retracted Height (in.) | Max. Height (in.) | Stroke (in.) | Pillar Sections | Lift Speed (in./sec.) | Pillar Voltage (V) | Pillar Amperage (A) | Pillar Duty Cycle (at 68°F) |
|-------------|------------------------------|------------------------|-------------------|--------------|-----------------|-----------------------|--------------------|---------------------|-----------------------------|
| EM403 | 400 | 23 | 35 | 12 | 2 | 1.2 | 110/60Hz | 5.0 | Intermittent Service 20% |
| EM403-PNEUM | 400 | 27 | 43 | 12 | 2 | Adjustable | - | - | 100% |
| EM404 | 400 | 27 | 43 | 16 | 2 | 1.2 | 110/60Hz | 5.0 | Intermittent Service 20% |

NOTE: All models operate from standard shop air at minimum 80 psi.



Call us today at 877-SEE-ERGO (877-733-3746) • sales@ergotronix.com • www.ergotronix.com

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