

Motorized Vertical Test Stand

MX-500S with Distance Meter
MX-500-TM with Timer

MX-500 without Distance Meter
MX-500S-TM with Timer & Distance Meter

- One stand for both compression (push) and tension (pull) tests
- Stroke: 13"
- Maximum load 500 lbf
- Jog, Single Cycle, Continuous Cycle (72 hour max.), Force Control
- Combination screw drive system and high performance brushless motor provides extremely smooth and powerful operation over the entire speed range.
- Wide speed range: 0.2 – 7 in/min (optional speed ranges available)
- Force Controlled operation with Imada Z Series force gauges
- Optional digital distance meter, timer and speed indicator
- Conditional Overload Prevention

MX-500 test stands offer consistent testing and force control capability. The combination of screw drive system and state-of-the-art brushless motor provides extremely smooth and powerful operation over the entire speed range.

Connect the MX-500 with an Imada Z Series force gauge to enable force controlled testing and Conditional Overload Prevention.

High/Low Set Point Force Control

Force control is activated when the applied force is at or between the high and low set point(s) of the Z Series force gauge and is deactivated by the digital timer. Initial carriage speed is controlled by the variable or fixed speed settings.

One Way Force Control

Initial carriage speed is controlled by the variable or fixed speed settings. When the applied force reaches the low set point of the Z Series force gauge, the test stand's carriage speed is adjusted to 20% of maximum and decreases to zero as the applied force reaches the high set point. Ideal for creep or non-destructive testing.

The MX-500 accepts any of the standard range Imada force gauges. Quick switch and Emergency Stop features are also included.

AP-002 Adapter Plate is available to mount most other force gauges to IMADA test stands.

Specifications subject to change without notice.

| Distance Meter Specifications | |
|-------------------------------|---|
| Display | Push button for inch/mm, zero set and on/off |
| Resolution | 0.0005"/0.01mm |
| Accuracy | 0.1% of reading or 0.005"/0.1mm, whichever is greater |

| Speed Configurations | |
|----------------------|---------------|
| Standard Speed | 0.2-7.0"/min |
| Optional Speeds | |
| MX-500-M | 0.4-11.8"/min |
| MX-500-F | 0.8-23.6"/min |
| MX-500-WF | 1.2-35.4"/min |
| MX-500-TF | 2.3-70.8"/min |
| MX-500-O | 0.1- 3.5"/min |

Custom Configurations Available
Specify speed when ordering.

| Timer Specifications | |
|----------------------|--|
| Range | 1 sec ~ 99 min, 59 sec |
| Accuracy | ±0.01%, ±0.05 sec; in 1 second intervals |



MX-500 with Timer
Force gauges and attachments are sold separately.

