

## MX2 Motorized Test Stands

(Optional Distance Meter Available, Please Inquire)

### Standard Features

- Ultra rigid, 0.5mm deflection at maximum load
- Manual, Increment, Single Cycle, Continuous Cycle and Force Control (with ZT Series gauges) selectable
- Easy-to-use program dial and menu screens control mode, speed, timer and cycles
- Programmable timer up to 99' 59.9 sec in 0.1 sec increments
- One stand for both compression (push) and tension (pull) tests
- Force Controlled operation with Imada ZT Series force gauges
- Optional digital distance meter available
- Conditional Overload Prevention

MX2 Motorized Test Stands offer advanced force testing features such as digital speed control, timer control, and cycle counter. The MX2 force measurement test stand incorporates an easy to read LCD screen onto the base. Use the intuitive program dial to set the mode, speed, test duration time, number of cycles and change other available test settings. With numerous customizable test settings, the test stand can be used for a variety of tests including: destructive, non-destructive testing, limit testing to a force value, cycle testing and more.

### Force Control Capable

Force controlled non-destructive tests are also easy to setup and program. Connect an Imada ZT Series force gauge to the MX2 test stand to enable two force controlled modes and Conditional Overload Prevention. Force control allows users to program the test stand to move until a certain force value is reached. For more information see the force control tab below.

### Unparalleled Utility

The MX2 accepts any of the standard range Imada force gauges. Imada recommends using ZT Series gauges to take advantage of all of the features of the MX2. Optional digital distance meters are available in both standard and high speed variety. Both digital distance meters have PC output capabilities, for more information click [here](#).

AP-002 Adapter Plate is available to mount most other force gauges to IMADA test stands. Optional extender adds 5" of clearance.



#### SPECS. AND RANGES

Model	<a href="#">MX2-110</a>	<a href="#">MX2-110-S</a>	<a href="#">MX2-110-FA</a>	<a href="#">MX2-275</a>	<a href="#">MX2-275-S</a>	<a href="#">MX2-275-FA</a>	<a href="#">MX2-275-FA</a>
<b>Capacity</b>	110 lbf	110 lbf	110 lbf	275 lbf	275 lbf	275 lbf	55
<b>Distance Meter</b>	None	Standard	High Speed	None	Standard	High Speed	Nc
<b>Stroke</b>	9.4" (240mm)	9.4" (240mm)	9.4" (240mm)	12.2" (300mm)	12.2" (300mm)	12.2" (300mm)	12
<b>Jog Mode Minimum Movement Distance (One Click)</b>	~.015mm	~.015mm	~.015mm	~.01mm	~.01mm	~.01mm	~.0

#### FORCE CONTROL OPERATION

Maintain Force Between High/Low Setpoints

Initial cross head speed is controlled by the start speed setting. Force control activates when applied force exceeds the low setpoint (and below the high setpoint) on the ZT series force gauge. The cross head maintains force between the low and high setpoint for the specified hold time, and then returns to the start position.

**Increase Force to High Setpoint and Stop**

Initial cross head speed is controlled by the start speed setting. When the applied force reaches the low set point of the ZT series force gauge, the test stand engages the measuring speed setting. The gauge stops when the applied force reaches the high set point on the ZT series force gauge. Ideal for non-destructive or creep testing. The cycle is repeated until the counter limit is reached.

**SPEED CONFIGURATIONS**

Model	in/min (mm/min)
<b>MX2-110</b>	<b>0.4~12 (10~300)</b>
MX2-110-V600	0.8~24 (20~600)
MX2-110-V90	0.12~3.6 (3~90)
MX2-275	0.4~12 (10~300)
MX2-275-V750	1~30 (25~750)
MX2-275-V75	0.1~3 (2.5~75)
MX2-550	0.4~12 (10~300)
MX2-550-V75	0.1~3 (2.5~75)
MX2-1100	0.02~12 (0.5~300)

Other speed configurations are available, please inquire for more information.

**DISTANCE METER SPECS.**

Display	Push button for inch/mm, zero set and on/off	
Resolution	0.0005"/0.01 mm	
Accuracy	0.1% of reading or 0.005"/0.1 mm whichever is greater	
Range	280.00 mm	11.00"
Resolution	0.01 mm	0.0001"
Accuracy	0.1 mm	0.004"

**DIMENSIONS**

[MX2 Motorized Test Stand Dimensions](#)

