imada.com®
FORCE & TORQUE MEASUREMENT
ISO 9001 & ISO/IEC 17025 ACCREDITED

IMADA, Inc.®
3100 Dundee Rd., Suite 707, Northbrook, IL 60062
Tel: 847-562-0834 Fax: 847-562-0839
www.imada.com E-mail: imada@imada.com

High Performance Program Dial Motorized Vertical Test Stand

with Speed Control, Timer & Cycle Counter

MX2-110: 110 lbf max; **MX2-275:** 275 lbf max

Program Dial
Force Controlled Test Stand for Non Destructive Testing

MX2-110 with Z Series force gauge
Force gauges and attachments are sold separately.

- Ultra rigid, .5 mm deflection at maximum load
- Manual, Increment, Single Cycle, Continuous Cycle and Force Control (with Z 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
- Wide speed range: 0.4 – 11.8 in/min (optional speed ranges available)
- Optional digital distance meter available
- Conditional Overload Prevention
- Max clearance 9" (with extender 14")

MX2 Vertical Motorized Test Stands use maintenance-free, brushless, DC motors that provide smooth and powerful operation to ensure consistent force testing results.

Speed Configurations	
Model	in/min (mm/min)
MX2-110	**.4~11.8 (10~300)**
MX2-110-V600	**.8~23.5 (20~600)**
MX2-110-V90	**.1~3.5 (3~90)**
MX2-275	**.4~11.8 (10~300)**
MX2-275-V750	**.9~23.5 (20~750)**
MX2-275-V75	**.1~2.9 (2~75)**

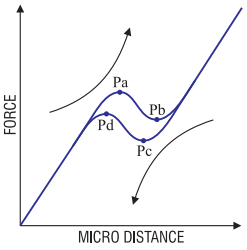
Custom speeds available, specify when ordering.

Precise Increment Mode

MX2 features a unique jog movement control, for precise increment testing. In jog mode, each click of the program dial moves the cross head approximately .015mm for MX2-110 and .01mm for MX2-275 (standard speed, under no load).

Cycle Mode

In cycle mode, automated fatigue tests are easy to setup. Press the unique program dial and turn, to make selections from the menu screens and set mode, speed, test duration, units and cycles. Set start and return speeds independently.



Note: Requires distance meter and data acquisition kit.

Force Control

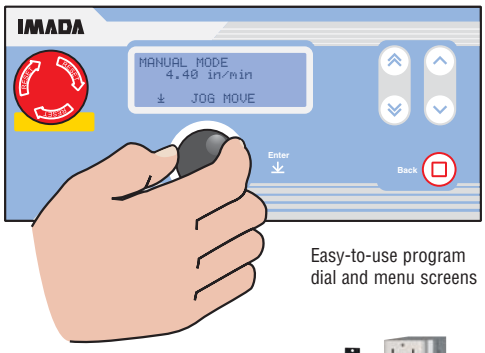
Force controlled non-destructive tests are also easy to setup and program. Connect an Imada Z Series force gauge to the MX2 test stand to enable the following force controlled tests and Conditional Overload Prevention.

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 Z Series force gauge. The cross head maintains that force for the programmed interval and then uses return speed to reset for the next cycle.

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 Z Series force gauge, the test stand engages the measuring speed setting and stops when the applied force reaches the high set point on the Z series force gauge. Ideal for non-destructive or creep testing. The cycle is repeated until the counter limit is reached.



Easy-to-use program dial and menu screens

Optional Digital Distance Meter

Distance Meter Specifications	
Display	Push button: 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

Specifications subject to change without notice.