

MX500

Mounting Press

Speed, versatility, and durability in an easy-to-use fully automatic package. Two mounts can be made simultaneously with quick and easy-to-change mold sizes to meet your laboratory needs.

Features

- Dual-mount capability in 1.25 inch, 1.50 inch, 30 mm, 40 mm, and 50 mm mold size
- Quickly and easily switch between mold sizes
- Novel solid steel crossbar closure design is durable, easy to clean, avoids jamming, and allows for quick, one-handed operation
- Intuitive swipe-and-touch user interface makes it easy to select heating, cooling, and pressure parameters
- Create fully customizable methods or use a LECO-developed method to fit your exact needs
- Variable Modes for mounting delicate samples using all common types of mounting materials
- Low thermal mass for rapid heating and cooling rates for superior productivity



Quickly and easily switch between mold sizes.

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Specifications

Design/Structure	Benchtop style with steel frame
Mold Enclosure	Durable all-steel enclosure
Mold Sizes	1.25 in, 1.50 in, 30 mm, 40 mm, 50 mm; All with included dual-mount capability
Pressure Method	CPU Controlled Fully Automatic Hydraulic System
Pressure Setting	Adjustable from 1200 to 4300 psi by 100 psi increments (80 to 300 bar by 10 bar; 8 to 30 Mpa by 1 Mpa)
Curing Time	0 to 30 minutes; set by 5 second increments
Heating Temperature	90 °C to 200 °C (190 °F to 390 °F); set by 5 degree increments
Heater Capacity	1200W
Cooling Temperature	30 °C to 60 °C (85 °F to 140 °F) by 5 degree increments
Cooling Flow	Adjustable flow from 0.0 to 2.0 L/min (0.0 to 0.5 gal/min) during cooling phase
Water Supply	20 °C (68 °F) or cooler; 20 to 30 psi (138 to 207 kPa); minimum 2.0 L/min (0.5 gal/min) during cooling phase
Drain Requirement	Gravitational, non-restrictive drain; capable of accommodating hot water and periodic steam.
Machine Dimensions Rounded to nearest 5 mm	8 in W x 21 in H x 24 in D (205 mm W x 535 mm H x 610 mm D)
Weight of Machine	112 lb (50.8 kg)
Power Supply	AC 115 V/12 A or 230 V/6 A; 50/60 Hz; Single Phase

Part Numbers

MX500501	MX500 115V
MX500502	MX500 230V

Mold Size Kits

811-710-601	30 mm Mold Kit
811-710-603	1.25 in Mold Kit
811-710-605	1.50 in Mold Kit
811-710-607	40 mm Mold Kit
811-710-609	50 mm Mold Kit

Optional MX-Series Water Recirculator

Connect up to two MX mounting presses to a single water recirculation unit to conserve water and prevent sediment build-up.

Part Numbers

811-710-750	MX Water Recirculator 115V
811-710-760	MX Water Recirculator 230V

Water Recirculator and MX500



Specifications and part numbers may change.
Consult LECO for latest information.

LECO Corporation

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