

## Additional Mounting Systems



### PR-25

The PR-25 is a semi-automatic mounting press. It's ideal for laboratories with a moderate sample throughput requirement. The semi-automatic features of the PR-25 reduce operator involvement, permitting other tasks to be performed during the next cycle. The pressure display and timer provide convenient monitoring during the cycle. The PR-25 also incorporates an air gun for easy debris removal and clean-up. Mold sizes are 1.00, 1.25, and 1.50 inch.

### PR-32

The PR-32 is an automatic, dual-mount, mounting press. It is generally specified for higher throughput laboratories with already highly utilized manpower. The dual-mount capability, (for 1.25 and 1.50 inch mold sizes only), with a single cycle doubles the output with virtually hands-free operation. The automatic cycle sequence can be conveniently monitored by the indicator lights, and the proper pressure is maintained and displayed throughout the cycle. Mold sizes are 1.25, 1.50, and 2.00 inch. An air gun is included to speed up debris removal and clean-up.



**LECO—Your total source for Metallographic solutions.**



**Sample  
Preparation  
Equipment**

MSX-250



SS2000 (Dual)

**Metallographs**



GX-51 with DP-12  
Digital Camera

**LECO Corporation**

3000 Lakeview Avenue • St. Joseph, MI 49085-2396 • Phone: 800-292-6141 • Fax: 616-982-8977  
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R511-REV0



**PR-4X** Mounting System

# PR-4X Mounting Press

Quality Sample Mounts; Time-Saving Efficiency

No other mounting press allows you to efficiently prepare mounts for microstructural examination or provides your lab with high-caliber samples like the **LECO PR-4X**. With convenient pre-programmed methods to mount various materials and easy-to-remove molds, the automatic PR-4X Mounting Press provides you with quality sample mounts while saving you time and effort. Add up to three auxiliary units (capable of operating independently) to prepare several mold sizes—a practical, economical solution for all laboratory budgets!

- Five interchangeable mold sizes: 1¼ in., 1½ in., 30 mm, 40 mm, and 50 mm
- Tool-steel mold assembly with diamond coating provides excellent wear and release characteristics for minimal flashing
- Pre-programmed methods for different mounting materials
- Integrated heating and cooling
- Sealed electro-hydraulic design—No pneumatic requirements
- Low working mold assembly height—15 in.



Modular Design—Up to 4 units can be independently controlled and configured.



Fluorescent Display with Stainless Keypad—Allows convenient access to all method parameters.



Unique Face-Sealing Closure System—Just push the upper unit

### Design Benefits

The modern styling of the PR-4X Mounting Press creates a small footprint, saving you valuable lab space. Traditional closure mechanisms on older systems, such as bayonet or thread connections, are not utilized on the PR-4X. Instead, the unique Face-Sealing Design allows you to easily remove samples by simply releasing pressure and pushing the upper unit aside. Concerned about downtime? No worry, no hassle—the PR-4X requires minimal maintenance!

### Specifications

#### PR-4X

Available Mold Sizes

1.25 in., 1.50 in., 30 mm, 40 mm, 50 mm

Power Requirements

115V, 60 Hz or 230V, 50 Hz

Maximum Current Draw

15 amps @ 115V; 10 amps @230V

Other Utilities Required

continuously flowing water & drain

Dimensions

21.5 in. H x 8.5 in. W x 20 in. D  
(8.46 x 3.35 x 7.87 cm)

### Part Numbers

#### Mounting Presses

PR40AD .....	PR4X Press (Master Unit), 115V
PR41AD .....	PR4X Press (Master with 1 Auxiliary Unit), 115V
PR42AD .....	PR4X Press (Master with 2 Auxiliary Units), 115V
PR43AD .....	PR4X Press (Master with 3 Auxiliary Units), 115V
PR40AI .....	PR4X Press (Master Unit), 230V
PR41AI .....	PR4X Press (Master with 1 Auxiliary Unit), 230V
PR42AI .....	PR4X Press (Master with 2 Auxiliary Units), 230V
PR43AI .....	PR4X Press (Master with 3 Auxiliary Units), 230V

#### Mold Assemblies

NOTE: A mold assembly must be chosen for each unit, including the master unit and any auxiliary units.

800-980-125 .....	1.25-inch Mold Assembly
800-980-150 .....	1.50-inch Mold Assembly
800-980-30M .....	30 mm Mold Assembly
800-980-40M .....	40 mm Mold Assembly
800-980-50M .....	50 mm Mold Assembly

#### Consumables

800-635 .....	Heavy Duty Gloves
804-120 .....	Engraver
804-099 .....	Carbide Tip Replacement
811-111 .....	Black Bakelite (5 lb.)
811-118 .....	Red Bakelite (5 lb.)
812-122 .....	Black Bakelite (20 lb.)
811-144 .....	Black Epoxy (1 lb.)
811-145 .....	Black Epoxy (5 lb.)
811-145-120 .....	Black Epoxy, Fines (5 lb.)
811-134 .....	Diallyl Phthalate (1 lb.)
811-135 .....	Diallyl Phthalate (5 lb.)
811-132 .....	Lucite™ Powder (1 lb.)
811-133 .....	Lucite™ Powder (5 lb.)