

## TechPress 2™ Mounting Press



- ❖ Prepare Up To 2 Mounts in 9 Minutes
- ❖ Touch-Pad Switches Control All Functions
  - ❖ Programmable Up To 99 Mounting Menus
  - ❖ Easy to Change Mold Assemblies: 25 mm - 2"

# TechPress 2™ Mounting Press

The **TechPress 2™** hydraulic-pneumatic automatic mounting press is used to encapsulate samples for metallographic preparation. The microprocessor based system allows up to 50 mounting steps to be programmed, including cycle start/stop, preheating time and temperature, heating time and temperature, predefined or operator-defined mold pressures and cooling time. Temperature is displayed in both Fahrenheit and Celsius throughout the mounting procedure.

Two mounts can be produced at one time using the duplexing spacer. Depending on mold size, cycle times range from 9-12 minutes.

**Mold assemblies are sold separately and include a duplexing spacer**

## Features:

- ❖ Prepare up to 2 mounts in 9 minutes
- ❖ Programmable up to 99 mounting menus including cycle start/stop, preheat/heating time and temperature, cooling time and pressure
- ❖ Touch-pad switches control all functions
- ❖ Interchangeable mold assemblies from 25 mm through 2 inch, include a duplexing spacer, allowing up to two mounts per cycle
- ❖ Bayonet cap with non-heat conducting handles remain cool during operation
- ❖ Impact, corrosion and heat-resistant cover
- ❖ Visual and audible cycle completion alarm
- ❖ Large heat-sink/holding tray to remove remaining heat from bayonet cap/die
- ❖ Backlit LCD display
- ❖ Password protectable menus
- ❖ Heating power: 1500 W
- ❖ Molding pressure: up to 5500 psi/379 Bar
- ❖ Preheat/molding temp: 0-200 °C/32-392 °F
- ❖ Preheat/molding time: 0-60 minutes
- ❖ Cooling time: 0-60 minutes
- ❖ Dimensions: 18" W x 22" D x 28" H (457 x 559 x 711 mm)
- ❖ Weight: 98 lb. (45 kg)
- ❖ Two (2) year warranty
- ❖ Designed & manufactured by Allied in the USA 



*Prepare up to 2 mounts in just 9 minutes!*



*Duplexing spacer provided with each mold assembly allows 2 mounts to be produced per cycle. Bayonet cap rests on a convenient heat-sink/holding tray between cycles.*

Item	Description
30-1000	<b>TechPress 2™</b> , 115 V
30-1000-230	<b>TechPress 2™</b> , 230 V
<b>Includes:</b> #135-10005 Black Phenolic Mounting Powder, 5 lb., Measuring Scoop, Brass Cleaning Brush and Funnel	

## Mold Assemblies:

30-1005	1" Mount with Duplexing Spacer
30-1010	1¼" Mount with Duplexing Spacer
30-1015	1½" Mount with Duplexing Spacer
30-1020	2" Mount with Duplexing Spacer
30-1025	25 mm Mount with Duplexing Spacer
30-1030	30 mm Mount with Duplexing Spacer
30-1035	40 mm Mount with Duplexing Spacer
30-1040	50 mm Mount with Duplexing Spacer



## Compression Mounting

Hot compression mounting is an economical method of encapsulating samples that can withstand the pressure and heat of the mounting process. A variety of mounting powders and preforms are available for this application.

### Phenolic Powders

Black, green and red phenolic powders are used for routine applications when color-coding for material identification, or as backfill for more expensive mounting powders.

Item	Description
135-10005	Black, 5 lb. (2.3 kg)
135-10007	Black, 25 lb. (11.5 kg)
135-10005-B	Black, 250 lb. (113 kg)
135-10010	Green, 5 lb. (2.3 kg)
135-10012	Green, 25 lb. (11.5 kg)
135-10010-B	Green, 250 lb. (113 kg)
135-10015	Red, 5 lb. (2.3 kg)
135-10017	Red, 25 lb. (11.5 kg)
135-10015-B	Red, 250 lb. (113 kg)

### Phenolic Preforms

Phenolic preforms require no measuring, are cleaner than loose powder and are easier to use.

Item	Description
135-20005	Black, for 30 mm or 1¼" Mold (Pk/500)
135-30005	Black, for 1½" or 40 mm Mold (Pk/500)
135-40005	Black, for 2" or 50 mm Mold (Pk/100)
135-20010	Green, for 30 mm or 1¼" Mold (Pk/500)
135-30010	Green, for 1½" or 40 mm Mold (Pk/500)
135-40010	Green, for 2" or 50 mm Mold (Pk/100)
135-20015	Red, for 30 mm or 1¼" Mold (Pk/500)
135-30015	Red, for 1½" or 40 mm Mold (Pk/500)
135-40015	Red, for 2" or 50 mm Mold (Pk/100)

### Blue Diallyl Phthalate Powder

Glass or mineral-filled mounting material that provides excellent edge retention and chemical resistance.

Item	Description
160-10005	Glass-Filled, 5 lb. (2.3 kg)
160-10010	Mineral-Filled, 5 lb. (2.3 kg)

### Black Glass-Filled Epoxy Powder

Very hard epoxy mounting material with glass fiber filler that provides excellent specimen adhesion and edge retention. Mold release is recommended (see page 20).

Item	Description
150-10105	5 lb. (2.3 kg)
150-10110	25 lb. (11.5 kg)

### Conductive Powder

Mounting material used to make conductive samples for scanning electron microscopy and electrolytic polishing. The copper-based powder provides very good edge retention and should be used for analyzing samples where copper is not a primary constituent. The graphite-based powder offers a higher hardness and is recommended for specimens without carbon as a component.

Item	Description
155-10010	Copper-Based, 1 lb. (0.45 kg)
155-20010	Graphite-Based, 1 lb. (0.45 kg)
155-20015	Graphite-Based, 5 lb. (2.3 kg)

### Transparent Thermoplastic Powder

A clear mounting material for easy sample observation.

Item	Description
165-10005	5 lb. (2.3 kg)

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Equipment is subject to change due to innovations/improvements at any time.

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