



# METPRESS 2

HYDRAULIC HOT  
MOUNTING PRESS AUTO  
WITH DUAL CYLINDERS



**MetLab**  
Corporation



# METPRESS

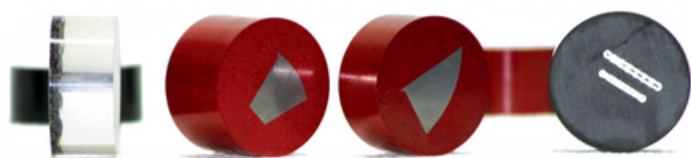
## 2

### HYDRAULIC HOT MOUNTING PRESS AUTO WITH DUAL CYLINDERS

**METPRESS A** To mounting the specimen after sectioning. It is often necessary for subsequent handling and metallographic polishing, especially in hand polishing when specimen flatness and edge retention are important

#### Metpress Benefits

Uniform flatness for either manual or automatic grinding and polishing machine  
Easier handling of specimens that are too small and fragile



#### Automatic Water Cooling System

Fully Automatic Hydraulic Hot Mounting Press with dual cylinders  
Corrosion resistant steel Cabinet with built in Electro Hydraulic system  
Electro Hydraulic Fully Automatic with twin Hydraulic cylinder

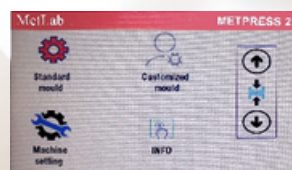
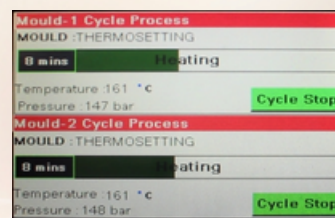
*It operates on electro hydraulic pressure. (requires no air line)*

7" PLC User Friendly advanced LCD Touch Screen System  
Pre Set Programming & Data Storage of Mounting Parameters up to 100  
Setting of Heating Time, Cooling Time, Mount Temperature, Mounting Pressure, Ram up and down, Cycle Start can be done and controlled through the Touch Screen Pad  
Cooling Process- Slow Cooling, Medium Cooling & Fast Cooling Mechanism.  
Stainless steel body Pressure Transmitter  
Quick Ram return to speed up reloading  
Dovetail slot for easy changeability of Mould Assemblies  
Slide Locking Mechanism  
Timer-Buzzer indication for heating and cooling cycles



Simultaneous mounting in both cylinders

#### Parameter Settings





## TECHNICAL SPECIFICATIONS

### MODEL: METPRESS 2

Mould Size	1", 1¼", 1½", 2" (25mm, 30mm, 40mm, 50mm)
Temperature	up to 200°
Pressure	up to 350 Bars (5000 psi)
Heating Power	1600 Watts
Water cooling	Automatic
Dimensions	23" X 30" X 20"
Weight	220 Lbs (100 kg)
Main	110V, 1Phase, 50/60 Hz
Colour	Enclosure RAL 9016, Base RAL 7016

## ACCESSORIES

25 01-M1	Mould assembly with ram 1"
25 01-M125	Mould assembly with ram 1 ¼"
25 01-M150	Mould assembly with ram 1 ½"
25 01-M2	Mould assembly with ram 2"
25 01-M25	Mould assembly with ram 25 mm
25 01-M30	Mould assembly with ram 30 mm
25 01-M40	Mould assembly with ram 40 mm
25 01-M50	Mould assembly with ram 50 mm



RAM



Mould  
Assembly

## MOUNTING SUPPLIES

Type	Description	QTY	Catalog#
Mounting Clips	Met-clips (metal)	100/PKG	M163
Silicone Lubricant	Spray or Brush Bottle	8 oz 16 oz 32 oz	M167 M167-16 M167-32
Specimen Cups	1.0" I.D.	25/PKG	M171
	1.25" I.D.	25/PKG	M172
	1.50" I.D.	25/PKG	M173
	2.0" I.D.	25/PKG	M173-2Z

## CONSUMABLES

Name	Colour	5 lbs	25 lbs
LUCITE	TRANSPARENT	M125	M125-25

LUCITE THERMOPLASTIC provides an economical transparent mount for specimens. Allow the operator to see areas of interest in the mount. Good edge retention & med hardness.

PHENOLIC THERMOSETTING	BLACK	M126	M126-25
	RED	M127	M127-25
	GREEN	M128	M128-25

PHENOLIC THERMOSETTING These are the most popular and economical materials to use. It's fast, has a med shrinkage, med edge retention and low hardness.

DIALLYL PHTHALATE SHORT GLASS	BLUE	M131	
	GREEN	M132	

DIALLYL PHTHALATE SHORT GLASS used for a harder surface finish. Chemical resistant. excellent edge retention.

DIALLYL PHTHALATE MINERAL FILLED	BLUE	M130	
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DIALLYL PHTHALATE MINERAL FILLED provides moderate shrinkage and chemical resistance. Excellent retention, high hardness.

BLACK EPOXY COARSE/GLASS FILLED	BLACK	M129C	M129C-25
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BLACK EPOXY FINE/GLASS	BLACK	M129	M129-25
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BLACK EPOXY THERMOSETTING has superior edge retention, tough grinding and excellent flow characteristics. Chemical resistant. High hardness.

## PHENOLIC PREFORMS

Color	QTY	1"	1.25"	1.50"
BLACK	500	M126LA	M126LB	M126LC
RED	500		M127LB	M127LC
GREEN	500		M128LB	M128LC

PHENOLIC PREFORMS involves a combination of pressure and high temperature to mount the specimen in a form. Phenolic preforms are a convenient form for increased speed and production. Exhibits medium edge retention and hardness properties.



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