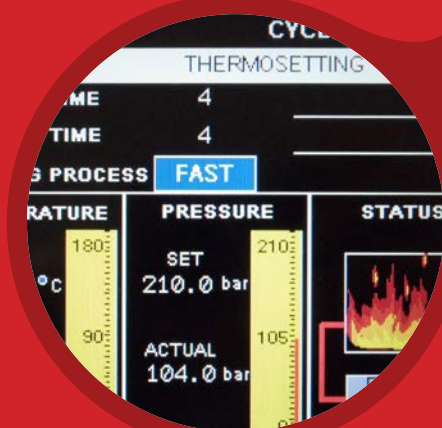


# METPRESS

## MOUNTING PRESS



2 YEAR  
WARRANTY



# METPRESS

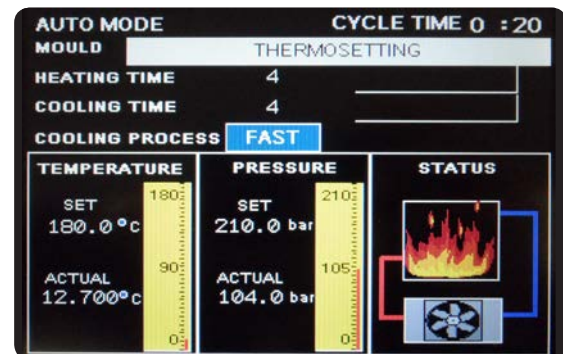
## MOUNTING PRESS

Metpress is a fully automatic mounting press suitable for the production of numerous samples. It operates on electro hydraulic pressure. (requires no air line) HMI LCD display with user friendly touch screen control. Quick interchangeable mould cylinders for desired sizes. Parameters preloaded for quick selection.

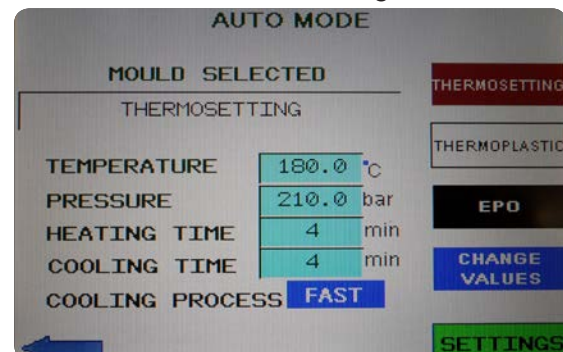


- Fully automatic
- Electro Hydraulic Pressure (no airline required)
- LCD HMI display with user friendly touch screen controls
- Pressure up to 350 Bars (5000 psi)
- Temperature up to 200° C
- Mould Size 1", 1¼", 1½", 2", 25mm, 30mm, 40mm, 50mm
- Intermediate ram included for dual mounts
- Robust bayonet closer
- Heating power of 1000 watts
- Corrosion resistant steel construction
- Cycle completion alarm notification

Parameter Settings



Parameter Settings



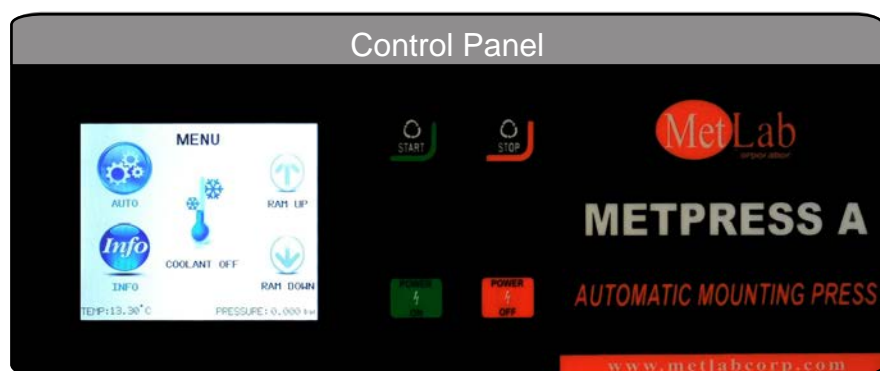
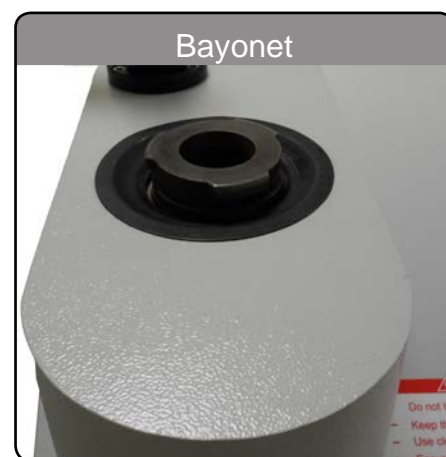
## Technical Specifications

|                      |  |
|----------------------|--|
| <b>Part #</b>        | 25 01                                    |
| <b>Temperature</b>   | up to 200° C                             |
| <b>Pressure</b>      | up to 350 Bars (5000 psi)                |
| <b>Mould Sizes</b>   | 1", 1¼", 1½", 2", 25mm, 30mm, 40mm, 50mm |
| <b>Heating Power</b> | 1200 watts                               |
| <b>Size</b>          | 17" W x 25" D x 18" H                    |
| <b>Weight</b>        | 143bs (65 kg)                            |
| <b>Main</b>          | 110V, 1-phase, 50/60/Hz.                 |



## Accessories

|                   |                               |
|-------------------|-------------------------------|
| <b>25 01-M1</b>   | mould assembly with ram, 1"   |
| <b>25 01-M125</b> | mould assembly with ram, 1¼"  |
| <b>25 01-M150</b> | mould assembly with ram, 1½"  |
| <b>25 01-M2</b>   | mould assembly with ram, 2"   |
| <b>25 01-M25</b>  | mould assembly with ram, 25mm |
| <b>25 01-M30</b>  | mould assembly with ram, 30mm |
| <b>25 01-M40</b>  | mould assembly with ram, 40mm |
| <b>25 01-M50</b>  | mould assembly with ram, 50mm |



# Compression Mounting Properties & Comparison

|                | PHENOLIC           | LUCITE             | EPOXY              | DIALLYL PHTHALATE  |
|----------------|--------------------|--------------------|--------------------|--------------------|
| MOLDING TEMP   | 350° F / 176° C    | 300° F / 148° C    | 350° F / 176° C    | 300° F / 148° C    |
| MOLDING PRESS  | 4200 PSI / 290 BAR | 3000 PSI / 206 BAR | 4200 PSI / 290 BAR | 3000 PSI / 206 BAR |
| COLORS         | BLACK, RED, GREEN  | CLEAR              | BLACK              | BLUE, GREEN        |
| CYCLE TIMES    | EXCELLENT          | MODERATE           | GOOD               | GOOD               |
| EDGE RETENTION | FAIR               | GOOD               | EXCELLENT          | EXCELLENT          |
| CLARITY        | NONE               | EXCELLENT          | NONE               | NONE               |
| HARDNESS       | LOW                | GOOD               | HIGH               | HIGH               |

## Consumables

| Name  | Color       | 5 lbs | 25 lbs   |
|---|-------------|-------|----------|
| LUCITE  | TRANSPARENT | M125  | M125-25  |
| LUCITE THERMOPLASTIC provides an economical transparent mount for specimens. Allows 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. Its 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  |          |
| DIALLYL PHTHALATE MINERAL FILLED provides moderate shrinkage and chemical resistance. Excellent edge retention, high hardness.  |             |       |          |
| BLACK EPOXY COURSE/GLASS FILLED   | BLACK       | M129C | M129C-25 |
| BLACK EPOXY FINE/GLASS  | BLACK       | M129  | M129-25  |
| 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.



# Mounting Supplies

| Type           | Description        | Qty          | Catalog # |
|----------------|--------------------|--------------|-----------|
| Mounting Clips | Met-clips (metal)  | 100/PKG      | M163      |
| Spray Cans     | Silicone lubricant | 12 oz / EACH | M167      |
| Specimen Caps  | 1.0" I.D.          | 25/PKG       | M171      |
|                | 1.25" I.D.         | 25/PKG       | M172      |
|                | 1.50" I.D.         | 25/PKG       | M173      |
|                | 2" I.D.            | 25/PKG       | M173-2    |



[www.metlabcorp.com](http://www.metlabcorp.com)



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