

HYDROPRESS® is a microprocessor controlled hot compression mounting press with large LCD display. It uses fully electrohydraulic pressure (no air required) with high and fast sample ejection capacity. HYDROPRESS® has pre-programmed moulding sequences with microprocessor control and it is a fully automatic high capacity instrument suitable for all known hot mounting compounds for materialographic applications.

- **Preprogrammed moulding sequences with micro-processor control ...**
- **High productivity ...**
- **Easy exchange of moulds...**

#### **User-friendly programming**

**Pressure programmable up to 330 bar (4785 PSI)**

**Temperature programmable up to 240 °C (464 °F)**

**Operation time programmable up to 59 minutes**

**Programmable preheating and preloading**

**Selectable mould sizes of 1", 1 1/4", 1 1/2", 2", 25mm, 30mm, 40mm and 50mm**

**Hydropress 70 - 60mm and 70mm**



#### **Automatic Operation**

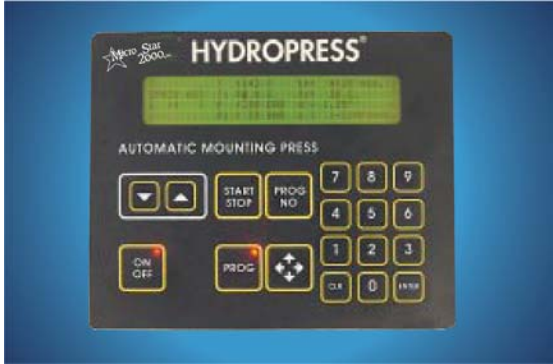
HYDROPRESS® has electrohydraulic operation which does not require pressurized air. The sample is ejected fast and very smoothly. All hydraulic components are housed in a GRP glass reinforced plastic cabinet which is ergonomically designed. HYDROPRESS® has preprogrammed moulding sequences built-in (factory set) from which you can choose according to your own applications. You only need to place the sample in the mould, select the program number for your specific application and depress the "Start" touch-pad button. That's it! HYDROPRESS® does the rest for you! The pressure, heating and cooling are automatically controlled and the total cycle time of a complete cool mount takes 8 to 10 minutes. HYDROPRESS® has additional capacity to store up to 190 operator-created programs. User-friendly program data and instructions are displayed on a large LCD screen and touch-pad keyboard on the front-panel.

#### **Heating and Cooling**

The high efficiency combined heater/cooler is housed in the upper part of the HYDROPRESS®. With 1400 W of thermostatically controlled heating power, molding times are kept to a minimum. At the end of the heating cycle the cooling water is automatically switched on and will turn off once the "Cooling Temperature" is reached. Two modes of cooling rate (fast cooling and slow cooling) are available. Slow cooling is used especially with thermoplastic compounds.

#### **Moulds**

HYDROPRESS® can accept several mould sizes from 25 mm to 50 mm. All moulds can be exchanged simply and easily. An intermediate ram can be used to double the production capacity. Under such conditions, HYDROPRESS® can produce from 10 to 15 mounts per hour.



Front panel consisting of large LCD display/touch-pad keyboard which is insensitive to dust and dirt.



Built-in combined heating and cooling unit with threaded mould closure.

## Ordering Specifications:

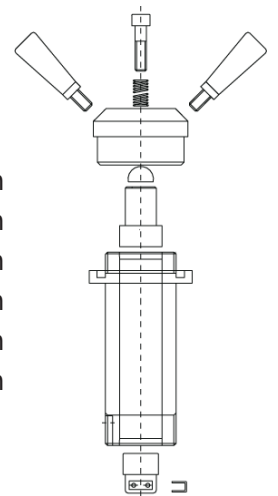
Order No.: 68 04 41 HYDROPRESS® Programmable Automatic Mounting Press, Microprocessor controlled, program based mounting sequences, electrohydraulic pressure and drive system (requires no air), programmable pressure up to 330 bar, programmable temperature up to 240 °C and programmable operation time up to 59:99 minutes, short cycle time, thermostatically controlled heating power of 1400 W, automatic cooling cycle with two modes of cooling rates (fast cooling and slow cooling), programmable preheating and preloading, selectable mould sizes from 25 mm to 50 mm, audible warning signal, large LCD screen and touch-pad front panel. 115 V, 1-phase, 60 Hz

## Molds:

|           |          |                      |
|-----------|----------|----------------------|
| Order No: | 68 04 00 | Mold Assembly 1"     |
|           | 68 04 10 | Mold Assembly 1¼"    |
|           | 68 04 20 | Mold Assembly 1½"    |
|           | 68 04 90 | Mold Assembly 2"     |
|           | 68 04 30 | Mold Assembly 25 mm  |
|           | 68 04 40 | Mold Assembly 30 mm  |
|           | 68 04 50 | Mold Assembly 40 mm  |
|           | 68 04 60 | Mold Assembly 50 mm  |
|           | 68 04 70 | *Mold Assembly 60 mm |
|           | 68 04 80 | *Mold Assembly 70 mm |
|           |          | *Hydropress 70       |

## Intermediate Rams:

|           |          |                        |
|-----------|----------|------------------------|
| Order No: | 68 04 02 | Intermediate Ram 1"    |
|           | 68 04 12 | Intermediate Ram 1¼"   |
|           | 68 04 22 | Intermediate Ram 1½"   |
|           | 68 04 32 | Intermediate Ram 25 mm |
|           | 68 04 42 | Intermediate Ram 30 mm |
|           | 68 04 52 | Intermediate Ram 40 mm |
|           | 68 04 62 | Intermediate Ram 50 mm |
|           | 68 04 72 | Intermediate Ram 60 mm |
|           | 68 04 82 | Intermediate Ram 70 mm |



## Technical Data:

|                                 |                         |
|---------------------------------|-------------------------|
| 115 V, 60 Hz, single-phase AC   | Heating Power : 1400 W  |
| Max. Temperature: 240 °C        | Max. Pressure : 330 bar |
| Dimensions : 370 x 740 x 460 mm | Weight : 53 kg.         |

Please state mains voltage  
All specifications are subject to change without notice.



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