

# Monarch Hydraulic Lab Presses

## 30, 50, 75, 100 TON CAPACITY

Carver's Monarch laboratory presses with integral hydraulic system and high technology options are based on standard production press models adapted to precision laboratory requirements.

Recommended for testing or research, compacting, molding rubber or plastic, laminating and assembly where stripping force is required.

Standard features include double-acting NFPA style cylinder for power open and power close. An integral hydraulic reservoir is easily

accessible for cleaning and includes a strainer or cartridge filter, air filter/breather, oil level indicator and oil cooler. A programmable controller with access module is standard.

Optional equipment includes electrically heated platens to 500°, 650°, 800° or 1200°F, with digital temperature controllers, low pressure system, pressing speed control and automatic platen cooling.

**Guards** – Improved protection for operator and by-standers

**Solid Steel Bolsters** – Minimize deflection

**Stress-Proof Tie Rod** – Extra threads for adjustment of daylight opening

**Heated Platens** – Electric cartridge heaters with individual digital temperature controllers

**Hydraulic System** – Self-contained, quiet operation

**Unitized Base** – Rapid installation

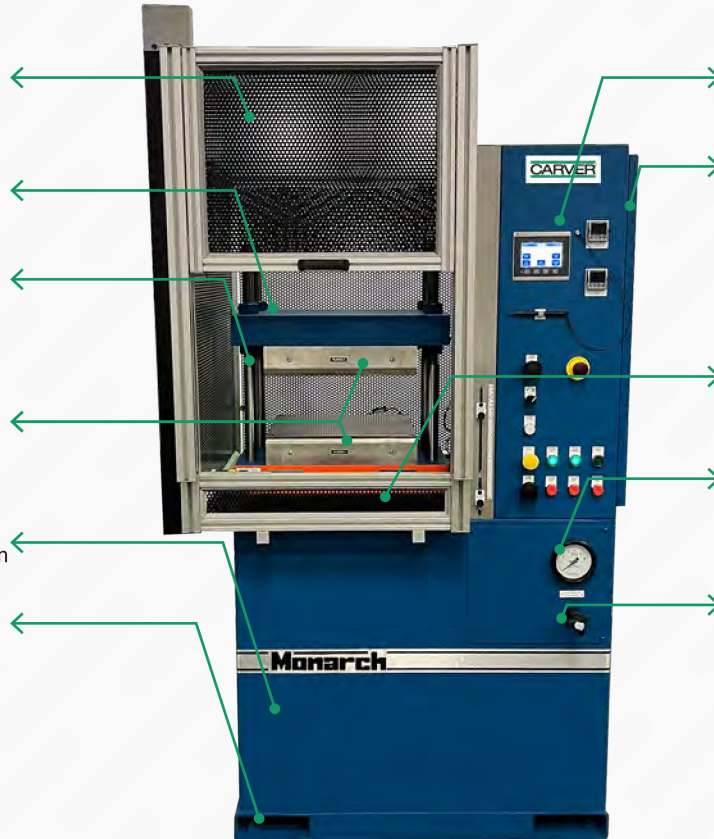
**Access Module** – Program press functions

**Control Cabinet** – NEMA rated enclosure protects operator and components

**Powerful Hydraulic Cylinder** – Double-acting NFPA design

**Pressure Gauge** – 4" gauge displays operating force in tons

**Pressure Control Valve** – Adjust clamping force



## SPECIFICATIONS

| Model           | Maximum Capacity (U.S. tons) | Nominal Work Area (in) | Adjustable Daylight Opening* | Cylinder Stroke (in) | Tie Rod Diameter (in) | Dimensions W x D (in) | Height (in) | Approx. Weight (lb) |
|-----------------|------------------------------|------------------------|------------------------------|----------------------|-----------------------|-----------------------|-------------|---------------------|
| CMG 30H-15      | 30                           | 15 x 15                | 6 to 12                      | 6                    | 1.25                  | 42 x 40               | 72          | 1,850               |
| CMG 30H-12 ASTM |                              | 12 x 12                |                              |                      |                       | 43 x 40               |             | 1,850               |
| CMG 50H-12      | 50                           | 12 x 12                | 8 to 16                      | 8                    | 1.75                  | 60 x 48               | 78          | 4,800               |
| CMG 50H-15      |                              | 15 x 15                |                              |                      |                       | 60 x 48               |             | 4,800               |
| CMG 50H-18      |                              | 18 x 18                |                              |                      |                       | 60 x 48               |             | 5,000               |
| CMG 50H-24      |                              | 24 x 24                |                              |                      |                       | 66 x 50               |             | 5,600               |
| CMG 75H-15      | 75                           | 15 x 15                | 8 to 16                      | 8                    | 2                     | 63 x 52               | 78          | 5,300               |
| CMG 75H-18      |                              | 18 x 18                |                              |                      |                       | 69 x 52               |             | 5,500               |
| CMG 75H-24      |                              | 24 x 24                |                              |                      |                       | 69 x 54               |             | 6,100               |
| CMG 100H-15     | 100                          | 15 x 15                | 12 to 22                     | 12                   | 3                     | 66 x 54               | 83          | 7,000               |
| CMG 100H-18     |                              | 18 x 18                |                              |                      |                       | 66 x 54               |             | 7,200               |
| CMG 100H-24     |                              | 24 x 24                |                              |                      |                       | 72 x 54               |             | 7,500               |