

# Technical Specification

## Model: Etos-100 Auto Hot Mounting Press

<b>Space</b>	Table 0.7m x 0.7m x 1m (W, D, H)
<b>Electric</b>	Single phase, 220V, 14A
<b>Coolant</b>	Water supply and drainage facilities essential
<b>Remark</b>	- Space of movement

### **Etos-100, Auto Hot Mounting Press**

Etos-100 is a specimen molding machine for tiny and unwieldy specimens to make a fixed size for easy handling. Etos-100 can be mold various material such metal, plastic, ceramic, etc. Etos-100 consists of a hydraulic device, 5.6" touch screen, and soft touch button for easy command input mode and progress checking. And also, this has all-in-one device (a heater and a cylinder) for efficiency.

#### **Features**

- **Rapid molding using all-in-one type heater & cylinder**
- **Noise prevention and high molding ability using accumulator**
- **High space efficiency using embedded resin storage**
- **High usability using 5.6" TFT Touch LCD screen**
- **Fast control using touch button**
- **Falling damage prevention using mold cap cradle**
- **Improved convenience using specimen storage**
- **Emergency measures using emergency stop button**
- **Limit set-up for temperature and pressure**

## 1. Specification

- Size: 560mmW X 560Dmm X 530mmH
- Electric: 220V, 60Hz, Single phase, 14A
- Pressure method: Automatic hydraulic method
- Pressure: Maximum 3,000psi
- Automatic hydraulic cylinder control (On/Off)
- Mold type: Cylindrical type
- Mold size: 25~38mm diameter (User selection)
- Thermocouple: K type
- Upper cap storage
- Hot mounting resin storage space
- Molded specimen storage
- Automatic pressure removal after molding completion
- Touch button: START, STOP, RAM UP/DOWN
- Maximum heating temperature: Maximum 250°C
- Cooling method: Water cooling by solenoid valve
- Control panel: 5.6" Touch screen type
- Molding condition set-up and checking (Cooling, Pre-heating, Load, Maintenance)
- Molding progress status
- Languages (Korean, English, Chinese)
- Cylinder manual Up/Down
- Manual coolant and cooling fan On/Off
- Pressure and temperature limit
- Saving memory: 30 channels
- Emergency stop: All stop



## 2. Service and Remark

- 1 year warranty
- Operation manual (1copy)
- Basic consumables (2kg acrylic resin, Spoon, Funnel)
- Installation and education at the shipping place

## Option Part

### 1. Mold size 40mm option

- Mold size 40mm
- Mold cap, Ram 40mm

### 2. Mold size 50mm option

- Mold size 50mm
- Mold cap, Ram 50mm

### 3. Individual specimen cradle

- Material: AL6061
- Number of specimen storage: 10 spaces each (40~50mm is 8 spaces each)

