

## AutoPress 2-30/50/120/400 Dual Mold Cylinder Automatic Mounting Press



### Contact us

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## Feature and Application



### Product Feature

- One-touch operation; the whole mounting force including heating, heat preservation, automatic pressure compensation, cooling and unloading is completed automatically.
- High specimen preparation efficiency. Adopting advanced heating technology and optimized cooling system; it takes approximately 7 minutes to mount specimens of  $\Phi 30$  mm (1.18 inches), and about 25 minutes for Model 2-30.
- Dual-Cylinder design with independent operation for each Cylinder.
- Pneumatic pressurization for Model 2-30 & 2-50, hydraulic pressurization for Model 2-120 & 2-400; maximum pressure reaches 400 kgf (Model 2-400).
- Standard specimen size:  $\Phi 30$  mm (1.18"); optional sizes:  $\Phi 40$  mm (1.57 inches) and  $\Phi 50$  mm (1.97 inches); custom sizes are available.
- Max. heating temperature: 180°C for pneumatic models, 200°C for hydraulic models.
- Equipped with pulse cooling technology for adjustable cooling intensity and water conservation.
- Three optional cooling modes: temperature control, time control and manual control.
- Multiple safety protections; power cuts off automatically in case of overheating.
- The housing is made of high-strength high-temperature resistant composite material, featuring rust resistance and corrosion resistance.
- 7-inch color touch screen for user-friendly operation.
- Real-time display of temperature curve.
- Supports up to 20 sets of mounting recipe settings.
- No need to remove the top cover for quick opening of the mold cavity.
- Comes with hot mounting release agent as standard for easy demoulding after mounting.
- External circulating water tank is available as an accessory.
- Compliant with standards: GB/T 13298, ASTM E3-11, ISO 20580.

## Feature and Application

### Product Application

- Uniform mounting of miniature samples to ensure flat surface and intact edges.
- Analysis of hardness gradient, carbide distribution, heat treatment quality and failure analysis.
- Inspection of quenched layer, tempered microstructure, fatigue cracks, coating layer and metallographic consistency of materials.
- Rating of metallographic structure, grain size measurement, inclusion analysis, depth detection of carburized layer/nitrided layer.



## Product Details



**1.Handle**  
**4.Screen**

**2.Mounting Mold Base**

**3.Emergency Stop Button**

## Product Details

### Detailed Structure Display



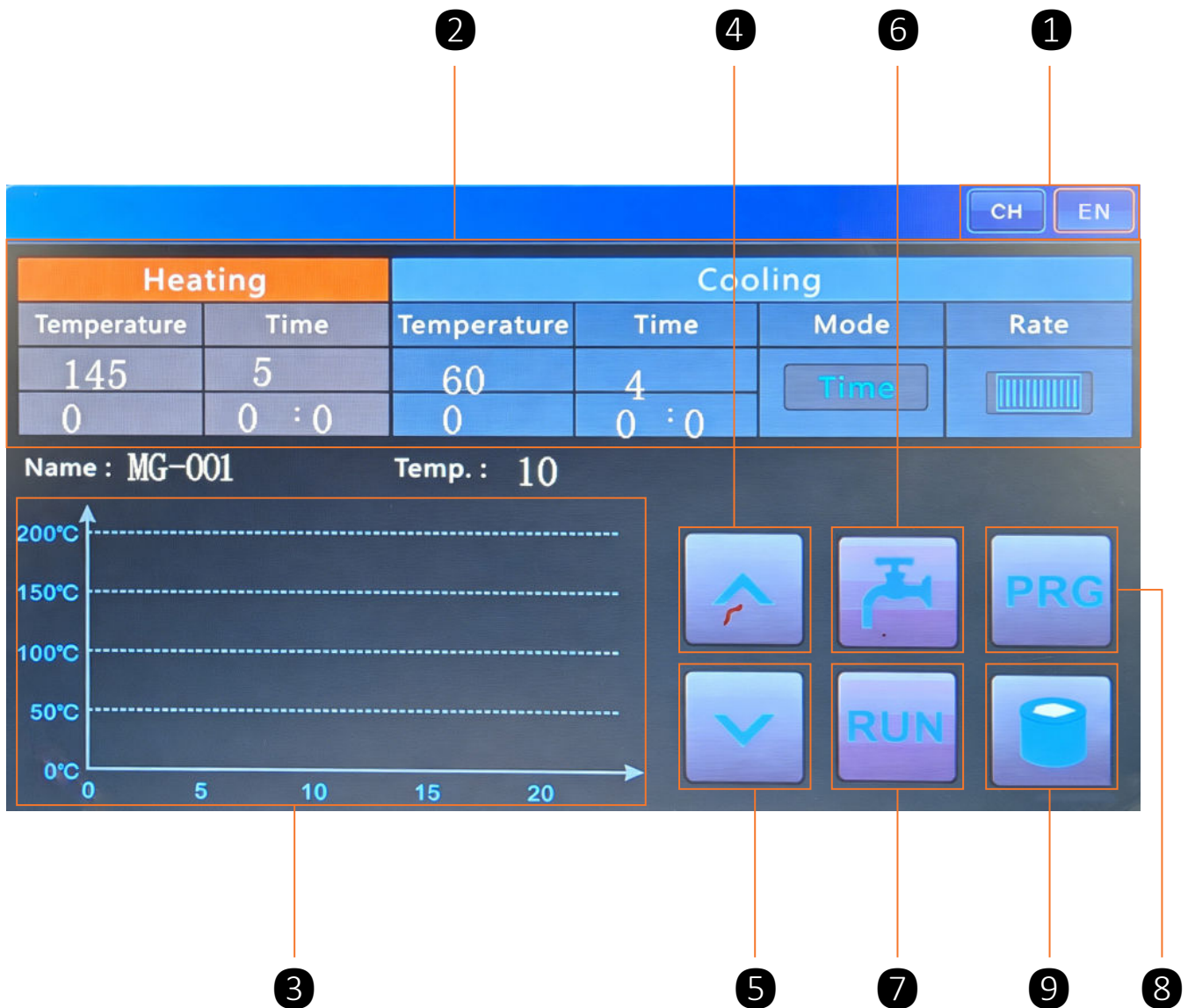
- Snap-type limiting mounting mold base
- Dual U-shaped positioning grooves on side walls; made of red copper with excellent wear resistance and smooth movement.

- The compression cover rotates left and right around the support column as the pivot.
- Quick-opening design; top cover disassembly is not required.



## Operation Interface

### Screen Interface



**1.Language**

**2.Parameter Display**

**3.Real-time Temperature Curve**

**4.Up**

**5.Down**

**6.Cooling Water**

**7.Operation**

**8.Program Editing**

**9.Mounting Material Selection**

## Operation Interface

### Screen Interface

No.	Name	Heat Temp	Pressure	Hold Time	Cool Temp	Cool Time	Cool Mode	Cool Rate	Load
1	MG-001	140	10.0	6	40	5	Time		<input checked="" type="checkbox"/>
2	MG-002	120	5.0	5	60	4	Time		<input type="checkbox"/>
3	MG-003	120	5.0	5	60	4	Time		<input type="checkbox"/>
4	MG-004	120	5.0	5	60	4	Time		<input type="checkbox"/>
5	MG-005	120	5.0	5	60	4	Time		<input type="checkbox"/>

Temp. unit: °C    Pressure unit: MPa

No.	Name	Heat Temp	Pressure	Hold Time	Cool Temp	Cool Time	Cool Mode	Cool Rate	Load
6	MG-006	120	5.0	5	60	4	Time		<input type="checkbox"/>
7	MG-007	120	5.0	5	60	4	Time		<input type="checkbox"/>
8	MG-008	120	5.0	5	60	4	Time		<input type="checkbox"/>
9	MG-009	120	5.0	5	60	4	Time		<input type="checkbox"/>
10	MG-010	120	5.0	5	60	4	Temp.		<input type="checkbox"/>

Temp. unit: °C    Pressure unit: MPa

- Built-in 20 sets of common parameters, including heating temperature, pressure, holding time, cooling temperature, cooling mode and cooling grade.
- Parameters can be selected quickly without repeated configuration.

## Ordering Information



**AutoPress 2-30**  
Automatic Mounting Press



**AutoPress 2-50**  
Automatic Mounting Press



**AutoPress 2-120**  
Automatic Mounting Press












**AutoPress 2-400**  
Automatic Mounting Press

# Technical Specification

<b>Name</b>	Dual Mold Cylinder Automatic Mounting Press			
<b>Model</b>	AutoPress 2-30	AutoPress 2-50	AutoPress 2-120	AutoPress 2-400
<b>Maximum Pressure</b>	30MPa	50MPa	120MPa	400MPa
<b>Power</b>	1.2kw	2.4kw	2.4kw	3kw
<b>Net Weight</b>	45kg (99.21lb)	45kg (99.21lb)	65kg (143.30lb)	77kg (169.76lb)
<b>Pressurization Mode</b>	Pneumatic		Hydraulic	
<b>Maximum Temperature</b>	180°C		200°C	
<b>Air Water Filter</b>	Standard Accessory		Not Equipped	
<b>Air Supply</b>	Required		/	
<b>Working Mode</b>	Automatic			
<b>Cooling Mode</b>	Water Cooling			
<b>Specification Size</b>	Standard: 1.18inches(Φ30 mm); Optional: Φ1.57inches (40 mm), 1.97inches(Φ50 mm)			
<b>Cooling Water</b>	Required			
<b>Power Supply</b>	220V 50Hz/110V 60Hz			
<b>Overall Dimensions</b>	23.62 x 22.05 x3 inches(600*560*430mm)			

## Standard Delivery

Name	Qty	Photo
Main Unit	1pc	
Graduated Cylinder	1pc	
Funnel	1pc	
Spoon	1pc	
General Hot Mounting Compound	1pc	
Hot Mounting Release Agent	1pc	
Operation Manual	1copy	
Certificate of Conformity	1copy	
Warranty Card	1copy	

## Optional Delivery

Optional

Edge Retaining Hot Mounting Compound

Transparent Hot Mounting Compound

Conductive Hot Mounting Compound

Section Clamp

### Mikrosize Precision Instrument Co.,Ltd

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