

iPress-2HA/4HA Auto Metallographic Mounting Press(Hydraulic Pressure)



Contact us

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Product Features and Application

Product Features

- Multi-function mounting.
- Hydraulic control, the cylinder adopts special process design to achieve automatic heating and pressurization, automatic cooling and automatic shutdown after pressing and forming.
- Easy to operate, the inlay process is completed in about 5 minutes (except for transparent acrylic).
- Chinese and English interfaces can be switched.
- Parameters can be adjusted and displayed.
- 10 sets of data can be stored, and parameters such as temperature, time, and pressure can be displayed during operation.
- The cooling method is water cooling.

Product Application

- Material science:
Material samples can be made into specimens of standard size for mechanical property testing, microstructure observation and other experiments.
- Metallurgy industry:
In the production and use of metal materials, metal samples can be made into specimens suitable for microscopic observation, and metallographic analysis, scanning electron microscope observation and other experiments can be carried out to analyze the material's organizational structure, component distribution, etc.
- Geology and mineral resources:
Mineral samples can be made into specimens suitable for microscopic observation, and used for mineralogical research, ore deposit research, etc., to identify and evaluate ores and minerals during the exploration and development of mineral resources.



Instrument Appearance



The Right Side of Machine

1. Upper mold cover 2. Switch button 3. Emergency stop switch 4. Display screen



Machine on the Back

1. Power cord interface 2. Inlet pipe 3. Outlet pipe

Screen Function



Interface

- After powering on, enter this interface, which mainly includes the following functions:
- 1. Display and setting of temperature, pressure, constant temperature time, and cooling time parameters. Touch the parameter part to pop up the numeric keyboard, and enter the value required by the user
 - 2. Equipment status indication
 - 3. Selection of automatic adjustment and manual adjustment
 - 4. Control of equipment lifting and starting and stopping



Interface

The main function of this interface is to set multiple sets of parameter data. Up to 10 sets of data can be set. Click the parameter screen to pop up the numeric keyboard, and enter the required number. Users can directly select the appropriate parameter data on this interface without setting each parameter separately. This interface can also select the display language. This device supports both Chinese and English.



Dual Control Interface

Two interfaces are controlled separately, and samples with different experimental conditions can be prepared simultaneously.

Product Details



The Top of Machine

This machine adopts hydraulic control. The biggest feature of the cylinder is that it adopts special process design. It can mount two samples at one time. The mounting process is completed in about 6 minutes.

Ordering Information



Metallographic Automatic Hydraulic Mounting Press

iPress-2HA

Single Mounting Cylinder

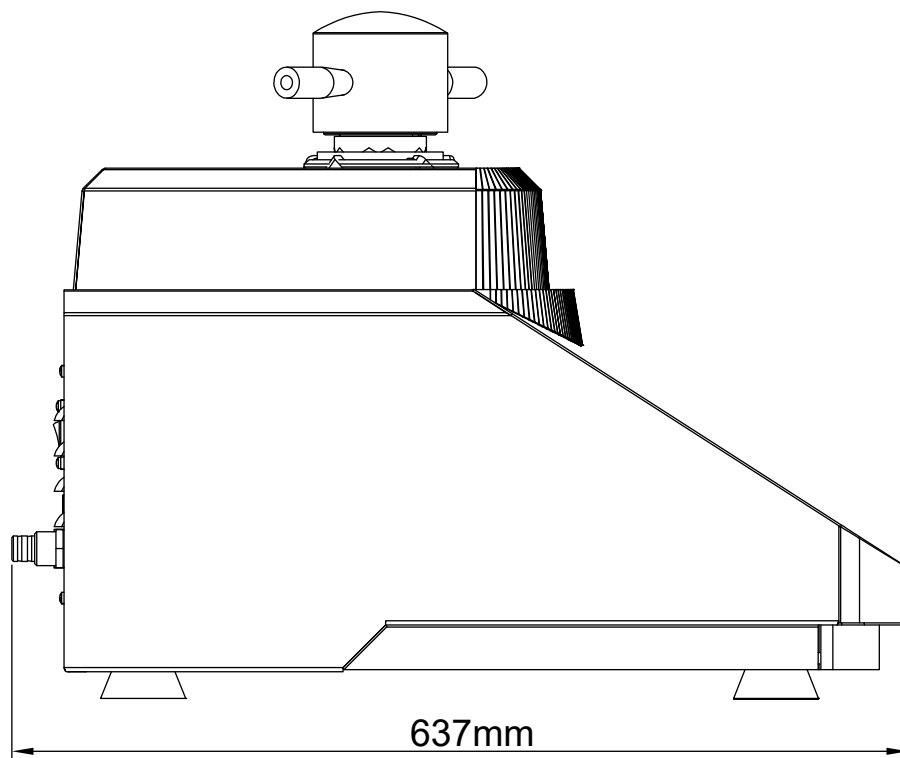
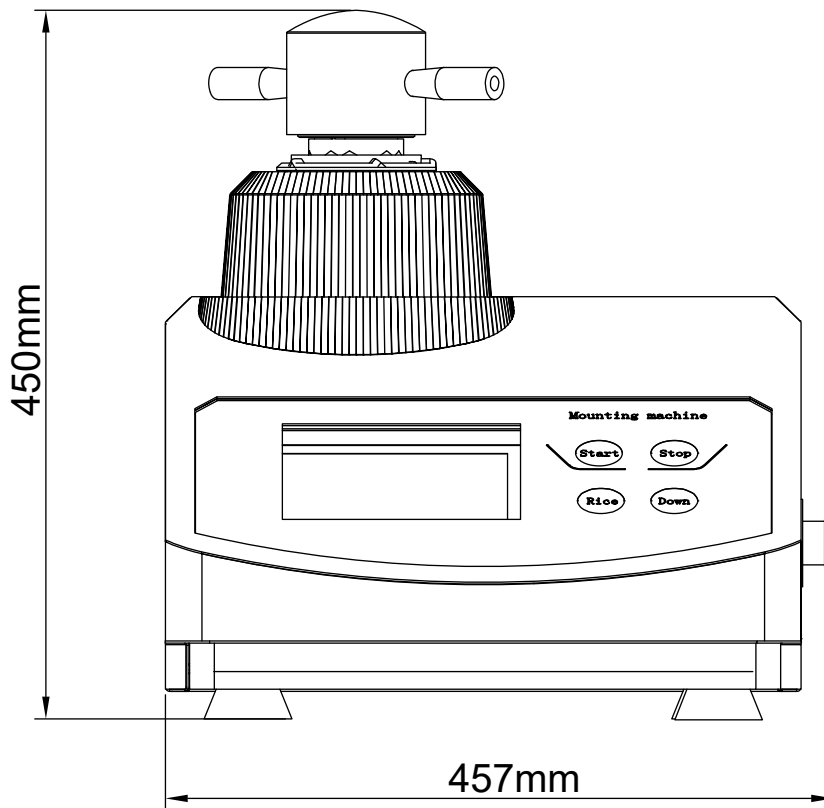


Metallographic Automatic Hydraulic Mounting Press

iPress-4HA

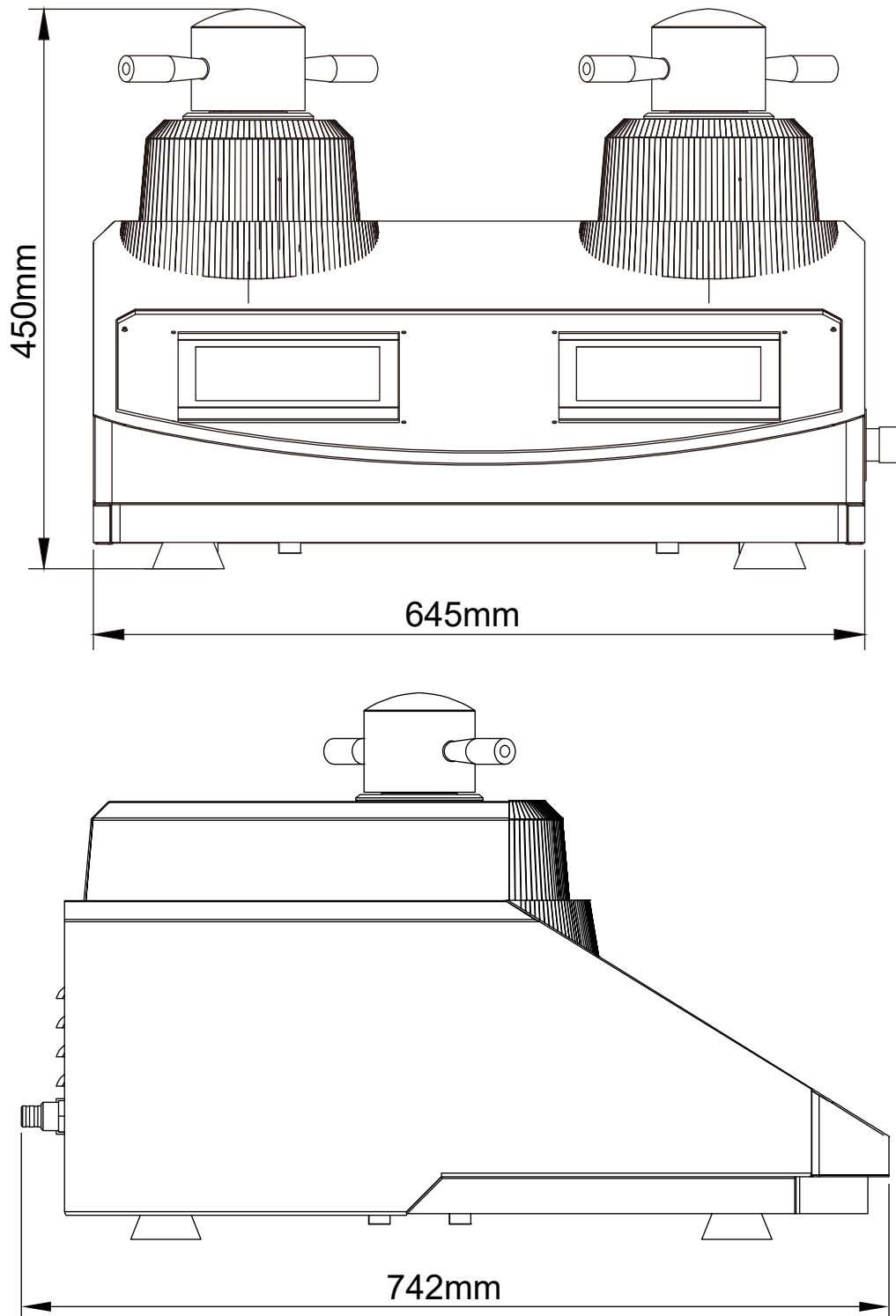
Dual Mounting Cylinder

Instrument Dimension



Metallographic Automatic Hydraulic Mounting Press
iPress-2HA Single Mounting Cylinder

Instrument Dimension







Metallographic Automatic Hydraulic Mounting Press
iPress-4HA Dual Mounting Cylinder



Technical Specification

Product Name	Metallographic Automatic Hydraulic Mounting Press	
Model	iPress-2HA	iPress-4HA
Machine Type	Single Mounting Cylinder	Dual Mounting Cylinder
Mounting Diameter	Φ22mm, Φ30mm, Φ45mm	
Heater	220V 1600W (Φ22mm, Φ30mm) /2000W(Φ45mm)	
Sample Preparation Pressure	0-10MPa	
Heating Temperature Range	35-300°C	
Sample Preparation Time	About 6min	
Cooling Mode	Water cooling	
Machine Dimension	435*610*430mm	650*700*560mm
Net Weight	52KG	100KG
Gross Weight	64KG	111.5KG

Standard Delivery

Name	Qty	Picture
Machine Mainframe	1 set	
Mounting Powder	1 bottle	
Thermocouple	1 pc	
Plastic Spoon	1 pc	
Inlet Pipe	1 pc	
Outlet Pipe	1 pc	
Pipe Hoop	2 pcs	
Filter	1 pc	
Instruction Manual	1 copy	
Product Certificate	1 copy	
Warranty Card	1 copy	