

# TMTECK

## Metallographic Mounting Press



## **XQ-2B Metallographic Sample Mounting Press**

Mounting press, Inlay machine, metallographic sample preparation equipment price



### **Features and Applications:**

1. Applicable to the thermos-hardening plastic pressing of the small metallographic specimen

Working conditions:

- 1) The height is no more than 1000m;
- 2) The temperature of surrounding medium can not be lower than -10 °C or over 40 °C;
- 3) The relative humidity of air should be no more than 85% (20 °C).
- 4) The voltage fluctuation should be no more than 15% and there should be no obvious vibration source around.
- 5) There should be no current conducting dust, explosive and corrosive air.

### **Product Specifications:**

#### **Specification**

Specification of the Sample	22*15mm, 30*15mm, 45*18mm
Heater Specifications	650W,220V,50Hz
Range of Temperature Adjusted	100~180°C
Power supply	Voltage fluctuations within $\pm 15\%$ , 220V,50Hz
Dimension	330*260*420mm
Net Weight	33 Kg

## **ZTQ-30 Hydraulic Sample Mounting Metallographic Machine**



7-inch touch screen Automatic metallographic Sample Mounting Electrical Hydraulic System

### **Product description:**

Human machine interface and single-chip control, the system is stable and reliable.

8-inch touch screen display operation interface, easy to operate, parameter setting is convenient and intuitive.

One-button start automatically completes the sample preparation process without the need for operator guard.

Efficient heating/cooling systems are connected to the mold to maximize heat transfer for fast cycle times.

The preheating function maintains a constant standby temperature of the device, which reduces heating time, shortens sample preparation time, and improves efficiency for work. The electro-hydraulic system is safely loaded with pressure and the pressure is stable and reliable.

Insert two samples at the same time, double the efficiency;

Choose four diameter molds for easy replacement.

### Technical Parameter

Name	Specifications	
	ZTQ-30S	ZTQ-30SD
Mold diameter	Standard $\phi$ 30mm (optional $\phi$ 25mm/ $\phi$ 40mm/ $\phi$ 50mm) custom 1in/1.25in/1.5in	
Inlay programming	Editable database, can store 99 sets of mosaic methods	
Heaters	2000W	4200W
Inlay temperature range	0~200°C adjustable	
Setting time range	0~30min	
pressure range	0-6Mp adjustable	
Pressure method	Automatic (Electrical Hydraulic System)	
Cooling method	Automatic water cooling	
Operation and display method	7-inch touch screen operation and display	
Work mode	Automatically and manually can be switched	
Total power:	2200W	4200W
Power	AC220V 50HZ	
Dimensions	680×570×530mm;	

weight	90Kg	100Kg
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### Standard attachments

Name	Quantity	Name	Quantity
Inlay (HM1 black)	1 bottle	Hose Hoop (13-19)	1
Inlet pipe	1 root	raw strip	1 volume
Drainage pipe	1 root	spoon	1
Funnel 1.5cm	1	Hexagon M2.5	1"
Technical documents	1. A copy of the product manual 2. A product certificate		

# ZXQ-1 Automatic Metallographic Sample Mounting Press



### Features and Applications:

1. Used to mount small specimens, specimens in irregular shapes, or difficult to take up.
2. Serves to facilitate grinding and polishing operations and the routine observation under the metallographic microscope.
3. The machine is heated, and intensified with pressure automatically. After the formation of the specimen under pressure, it stops the operation and discharges the pressure also in an automatic way.
4. With another press of the knob, the machine automatically turns up the specimen, which may be taken away.

Note: It is only for the hot and solid materials (such as jade powder and bakelite powder) with the temperature automatically regulated and controlled.

### Specification:

Specification of the Sample	φ22mm, φ30mm, φ45mm
Heater Specifications	650W,220V,50Hz
Total power	1000W
Dimension	380×350×420mm
Net Weight	50 Kg
Standard accessories	1 piece of thermoelement, 1 bag of Mosaic powder, 1 funnel

## **ZXQ-3 Metallurgical Sample Preparation Equipment**

### **220v 850w Automatic Water Cooling**



**ZXQ-3 Automatic Metallographic Sample Mounting Press Mounting press, Inlay machine, metallographic sample preparation**

#### **Product description:**

Inlaying is a very important process of metallographic sample preparation, especially for some difficult holding tiny samples, irregularly shaped samples, or what needs for protecting edge and automatic grinding and polishing, inlaying is an essential step before sample preparation.

ZXQ-3 automatic double head mounting press is an advanced hydraulic water-cooling machine

The whole process of inlaying is controlled by program, realizing one button operation of the process of heating, loading, holding, cooling and unloading.

No need for operation personnel on duty, automatically complete the sample inlaying.

ZXQ-3 automatic double head mounting press has solidified the inlaying program, especially suitable for thermosetting materials, such as electricity jade powder and Bakelite powder materials.



To use ZXQ-3 automatic double head mounting press makes your sample preparation work more easily and more labor-saving and the inlaying quality better and more stable.

### Technical Parameter

Mould Specification	φ25 φ30 φ40 φ50 (choose two)
Heater	220V 850W
Pressure	0~18MPa(factory set pressure 16 MPa)
Power	1800W
Cooling method	Automatic water cooling
Heat holding time	140S
Overall Dimension	664*584*504
Net Weight	93KG

# ZXQ-5 Automatic Metallographic Sample Mounting Press

## Mounting press, automatic metallographic mounting press price



### Features and Applications:

1. Used to set up irregular specimen so that it can fix in with the request of the surface.
2. It also can protect the edge and keep out of the abrasion.
3. It is an automatic mounting press for metallographic specimen. Suitable for all thermosetting materials because of the cooling system
4. It can finish automatically with the heating temperature, the holding time, and acting force.
5. The operator can change 4 specification patterns according to the difficult specimen.
6. It can make 2 specimens at one time.

### Specification:

Specification of Die	φ25mmφ30mmφ40mmφ50mm
Power supply	220-255V 50HZ
Max Power Consumption	1600W
System Pressure	0~2Mpa
Sampling Pressure	0-72Mpa
Temperature	0-300℃
Heat Holding Time	0-99 min&99 sec.
Dimensions	615*510*500mm
Weight	110Kg
Type of Cooling	Water-cooled

## ZXQ-50 Automatic Specimen Preparation And Metallography Of Steel / Sample Mounting Press



Mounting press, automatic metallographic mounting press price, high quality sample moulding machine

### Features and Applications:

1. Used to set up irregular specimen so that it can fix in with the request of the surface.
2. It also can protect the edge and keep out of the abrasion.
3. It is an automatic mounting press for metallographic specimen. Suitable for all thermosetting materials because of the cooling system
4. It can finish automatically with the heating temperature, the holding time, and acting force.
5. The operator can change 4 specification patterns according to the difficult specimen.
6. It can make 2 specimens at one time.

### Specification:

Specification of Die	φ25mmφ30mmφ40mmφ50mm
Power supply	220-255V 50HZ
Max Power Consumption	1600W
System Pressure	0~2Mpa
Sampling Pressure	0-72Mpa
Temperature	0-300℃
Heat Holding Time	0-99 min&99 sec.
Dimensions	615*510*500mm
Weight	110Kg
Type of Cooling	Water-cooled