

CATALOG

MOUNTING PRESS

MACHINE



รวมเครื่องหล่อชิ้นงานละเอียด



www.itokin2000.com

itokintechnology.co.,LTD

Tel : 02-9744354-6

METALLOGRAPHIC SPECIMEN MOUNTING PRESS

XQ-2B

www.itokin2000.com

Metallographic specimen mounting press is suitable for the thermo-hardening plastic pressing of the small metallographic specimen which is not idiomorphic or hard to take. After forming, it will be very easy to process the grinding, polishing of the specimen and it is also convenient to process measuring of metallographing structure under metallographic microscope. The machine may work stably under the following working condition.

- The temperature of surrounding medium can not be less than 10 °C and more than 40 °C
- The relative humidity of air should be no more than 85% (20 °C)
- The voltage fluctuation should be no more than 15%
- There should be no obvious vibration source around
- There should be no current conducting dust, explosive and corrosive air

Technical specifications

- Mould diameter : Ø20x15mm/ Ø30x15/ Ø45x18mm
- Heater : 650W
- Temperature adjusting range : 100-180 °C
- Power supply : Single phase, 220V, 50Hz
- Dimensions : 34x27x40cm
- Net weight : 33KG



www.itokin2000.com



itokintechnology.co.,LTD



Tel : 02-9744354-6

METALLOGRAPHIC SPECIMEN MOUNTING PRESS

www.itokin2000.com

METAMON-1

AUTOMATIC

automatic metallographic specimen mounting press is a kind of full automatic mounting press, equipped with in-out water cooling system. It is suitable for the heat mounting (thermohardening & thermoplastic) for all kinds of materials. After the parameters such as heating temperature, heat preserving time and applied force etc. are set up, put the specimen and mounting material into the machine, close the cover and press the start button, then the machine will finish the job automatically. It is not necessary for the operator to be on duty. According to different requirements of the material, there are four kinds of moulds that can be chosen to meet the demands at will. Also it is available to prepare two pieces of specimen at the same time, the capacity is doubled.

Feature

- Cooling method : water cooling
- Four kinds of moulds
- Preparing 2 samples at the same time

Technical specifications

- Diameter of diameter : Ø25mm, Ø30mm, Ø40mm, Ø50mm
- Max. power consumption: 1600W
- Setting range of system pressure intensity : 0-2MPa (corresponding preparing pressure intensity : 0-72MPa)
- Temperature adjusting range : 100-180 °C
- Power supply : single phase, 220V, 50Hz
- Heat preserving time : 0-99m99s
- Net weight : 82Kg



METALLOGRAPHIC SPECIMEN MOUNTING PRESS

www.itokin2000.com

METAMON-5

AUTOMATIC

automatic metallographic specimen mounting press is a kind of full automatic mounting press, equipped with in-out water cooling system. It is suitable for the heat mounting (thermohardening & thermoplastic) for all kinds of materials. After the parameters such as heating temperature, heat preserving time and applied force etc. are set up, put the specimen and mounting material into the machine, close the cover and press the start button, then the machine will finish the job automatically. It is not necessary for the operator to be on duty. According to different requirements of the material, there are four kinds of moulds that can be chosen to meet the demands at will. Also it is available to prepare two pieces of specimen at the same time, the capacity is doubled.

Feature

- Cooling method : water cooling
- Four kinds of moulds
- Preparing 2 samples at the same time

Technical specifications

- Diameter of diameter : Ø25mm, Ø30mm, Ø40mm, Ø50mm
- Max. power consumption: 1600W
- Setting range of system pressure intensity : 0-2MPa (corresponding preparing pressure intensity : 0-72MPa)
- Temperature adjusting range : 100-180 °C
- Power supply : single phase, 220V, 50Hz
- Heat preserving time : 0-99m99s
- Net weight : 82Kg



METALLOGRAPHIC SPECIMEN MOUNTING PRESS

www.itokin2000.com

METAMON-6

AUTOMATIC

METAMON-6 is a new touch screen type automatic metallographic specimen mounting press, all working procedures can be done automatically. After the parameters such as heating temperature, heat preserving time and applied force, etc. Are set up, put the specimen and mounting material into the machine, close the cover and press the start button, then the machine will finish the job automatically. It is not necessary for the operator to be on duty. According to different requirements of the material, there are four kinds of moulds that can be chosen to meet the demands at will. Also it is available to prepare two pieces of specimens at the same time, the capacity is doubled.

Feature

- Microcomputer control, automatic Pre-heating, heating, applying pressure, cooling, etc.
- Pressure, temperature, heating and cooling time can be set via touch screen
- Water-forces cooling, quickly get the sample
- Large size touch screen LCD, graphical HMI for friendly and easy operation
- Two demos can be done simultaneously
- Four kinds diameter moulds (Ø25mm, Ø30mm, Ø40mm, Ø50mm)

Technical specifications

- Pressure : 0~2MPa (product pressure : 0~72MPa)
- Mounting temperature : 50-300 °C
- Shortest mounting time : < 15 minutes
- Mould diameter (can be randomly selected 2 types) : Ø25mm, Ø30mm, Ø40mm, Ø50mm
- Heating power : 1000W
- Voltage : 220V
- Dimension : 630x520x520mm
- Net weight : 120Kg



METALLOGRAPHIC SPECIMEN MOUNTING PRESS

www.itokin2000.com

ZXQ-1

AUTOMATIC

This automatic mounting press is used to inlay small specimens, specimens in irregular shapes, or specimens which are not easy to take up, it is the preceding process before grinding and polishing metallurgical or rock specimens. The inlaying operation serves to facilitate the grinding and polishing operations of the specimens and the routine observation of the composition of the material under the metallurgical microscope.

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. With another press of the knob, the machine automatically turn up the specimen, which may be taken away.

Feature

- Touch screen LCD operation
- Automatic mounting process

Technical specifications

- Mould diameter : Ø22mm, Ø30mm, Ø45mm
- Heater : 650W
- Transducer : 300W
- Max. power consumption : 1000W
- Power supply : single phase. 220V, 50Hz
- Dimensions : 380x350x420mm
- Net weight : 50kg



METALLOGRAPHIC SPECIMEN MOUNTING PRESS

www.itokin2000.com

ZXQ-2

AUTOMATIC

Model ZXQ-2 Automatic mounting press is a kind of full automatic metallurgical and lithofacies specimen inlaying machine. The whole inlaying process can be controlled by program. It has also realized the one-key operation for the whole process of the heating, compressing, holding, cooling and depressing. It is used to inlay small specimens, specimen in irregular shapes, or specimens which are not easy to hold. This machine has built the whole inlaying process in program. It is especially suitable for the mounting with hot solid materials (such as urea-formaldehyde moulding powder and bakelite powder).

Feature

- Water cooling system
- Touch screen LCD operation
- Automatic processing

Technical specifications

Mould diameter: Ø 22mm or Ø 30mm or Ø 45mm

Heater: 650W

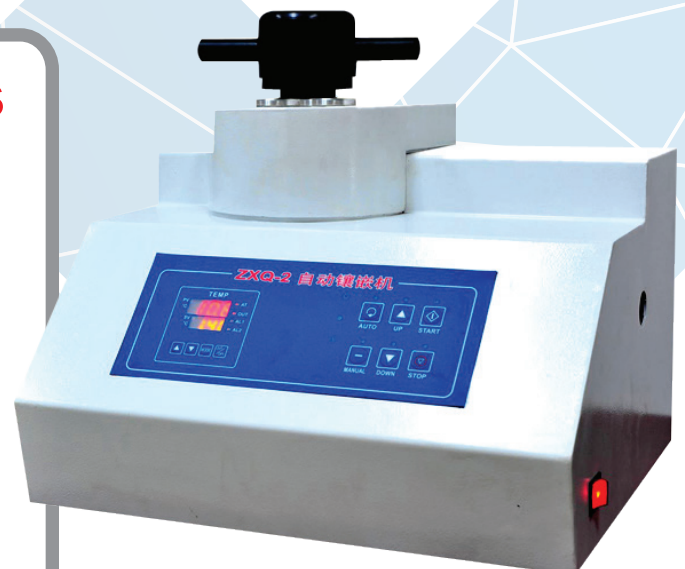
Transducer: 300W

Total power consumption: 1000W

Power supply: single phase, 220V, 50Hz

Dimensions: 420 x 390 x 460mm

Net weight: 55 Kg



METALLOGRAPHIC SPECIMEN MOUNTING PRESS

www.itokin2000.com

ZXQ-5

AUTOMATIC

Automatic metallographic specimen mounting press is a kind of full automatic mounting press, equipped with in-out water cooling system. It is suitable for the heat mounting (thermo-hardening & thermoplastic) for all kinds of materials. After the parameters such as heating temperature, heat preserving time and applied force etc. are set up, put the specimen and mounting material into the machine, close the cover and press the start button, then the machine will finish the job automatically. It is not necessary for the operator to be on duty. According to different requirements of the material, there are four kinds of moulds that can be chosen to meet the demands at will. Also it is available to prepare two pieces of specimen at the same time, the capacity is doubled.



Technical specifications

- Diameter of specimen : $\varnothing 25\text{mm}$, $\varnothing 30\text{mm}$, $\varnothing 40\text{mm}$, $\varnothing 50\text{mm}$
- Cooling method : water cooling
- Power supply : single phase, 220V, 50Hz
- Max. power consumption : 1800W
- Setting range of system pressure intensity : 0-2MPa (corresponding preparing pressure intensity : 0-72MPa)
- Temperature setting range : 0-300 °C
- Heat preserving time : 0-99m99s
- Dimensions : 615x510x500mm
- Net weight : 110Kg



METALLOGRAPHIC SPECIMEN MOUNTING PRESS

www.itokin2000.com

AUTOMON-1

AUTOMATIC

automatic metallographic specimen mounting press is a kind of pneumatic and full automatic mounting press, equipped with in-out water cooling system. It is suitable for the hot mounting process of thermo-hardening & thermoplastic materials. This machine can automatically heat, apply pressure and after sample preparation is finished, it can stop working, release pressure and then push out sample automatically. It is the ideal sample preparing equipment to be used in factories, researching institutes and college laboratories.



Features

- Pneumatic pressure applying & releasing, automatic sample acquiring.
- Touch screen operation
- Cooling method: water cooling
- Three kinds of moulds of Ø22mm, Ø30mm, Ø45mm can be chosen at will

Technical specifications

- Mould diameter: Ø22mm, or Ø30mm, or Ø45mm (choose one mould)
- Heater: 900W
- Total power: 1000W
- Temperature setting range: 0-200 °C
- Power supply: single phase, 220V, 50Hz
- Dimensions: 380 x 350 x 420 mm
- Net weight: 50 KG



METALLOGRAPHIC SPECIMEN MOUNTING PRESS

www.itokin2000.com

KMP80 | MADE IN KOREA

Features

It is to form specimens to facilitate the hardness and polishing works of cutting parts of various materials.

Application

- Easy to make specimens and polish



Technical specifications

- Power : AC 220V, 50 / 60 Hz
- Type : Hydraulic Automatic Mounting
- Heater Capacity : 1700 watt
- Mold Production Time : 6 minutes of shortest heating
7 minutes of cooling
- Mold Size : Basic 32, 40mm (Selectable)
Customizable
- Transfer Distance : 80 mm
- Easy-to-open quick lever system
- Temperature, Maintenance, Cooling are controlled by program
- Equipped with internal anti-dust and anti-oil cover
- Size : 405(W) * 500(D) * 430(H) mm



METALLOGRAPHIC SPECIMEN MOUNTING PRESS

www.itokin2000.com

KMP1302
MADE IN KOREA



Features

It is to form specimens to facilitate the hardness and polishing works of cutting parts of various materials.



Application

- Easy to make specimens and polish

Technical specifications

- Power : AC 220V, 50 / 60 Hz
- Mold Production Time : 6 minutes of shortest heating
7 minutes of cooling
- Mold Size : Basic 32, 40mm (Selectable)
Customizable
- Transfer Distance : 130 mm
- Easy-to-open quick lever system
- Temperature, Maintenance, Cooling are controlled by program
- Equipped with internal anti-dust and anti-oil cover
- Cylinder to be descended and melody warning when job is completed
- Size : 405(W) * 500(D) * 430(H) mm

