

HITECH MILANO EUROPE

METALLOGRAPHIC SAMPLE PREPARATION



MOUNTING PRESS

EP SERIES

TECHNICAL DATA



EP 16

Automatic, pneumatic, cheap metallographic mounting press

- Corrosion, heat and impact resistant moulded cover
- System control of the cycles through an electronic thermoregulator
- Heating temperature, dwell time, cooling time are stored in pre-set and selectable programs, with reading on digital display
- In&out water controlled by electric valve
- Adjustable temperature from 0 to 200°C
- Water Cooling system
- Pneumatic piston with double safety guide
- Ram control (up - down – still)
- Moulds 25-30-31,8-38,2-40 mm
- Adjustable pressure (0 to 6 bar) with direct reading on digital display

- Power supply 220V – 50/60Hz - 1200 W
- Dimensions: 380x450x600 mm
- Weight: 40 kg



Thermoregulator with display

TECHNICAL DATA

- Corrosion, heat and impact resistant moulded cover
- System control of the cycles through an electronic thermoregulator, with reading on digital display
- Heating temperature, dwell time, cooling time are stored in pre-set and selectable programs
- Water Cooling System
- Adjustable temperature from 0 to 200°C
- Pneumatic piston with double safety guide
- Ram control (up - down – still)
- Adjustable pressure (0 to 6 bar) with direct reading on digital display
- Moulds 25-30-31,8-38,2-40-50 mm
- Non-conductive closure handles
- Mould bayonette closure system with thermal protection

- Power supply 220V – 50/60Hz - 2000 W
- Dimensions: 380x450x600 mm
- Weight: 42 kg

EP50P

Automatic, pneumatic, cheap metallographic mounting press



EP16 MOULDS

- Mould assembly 1" (codice 03-20-A100-A)
- Mould assembly 30 mm (codice 03-20-A030-A)
- Mould assembly 1 1/4" (codice 03-20-A114-A)
- Mould assembly 1 1/2" (codice 03-20-A112-A)
- Mould assembly 40 mm (codice 03-20-A040-A)



EP50 T/PT MOULDS

- Mould assembly 1" (codice 03-20-B100-A)
- Mould assembly 30 mm (codice 03-20-B030-A)
- Mould assembly 1 1/4" (codice 03-20-B114-A)
- Mould assembly 1 1/2" (codice 03-20-B112-A)
- Mould assembly 40 mm (codice 03-20-B040-A)
- Mould assembly 50 mm (codice 03-20-B050-A)

EP50T

Automatic, hydraulic, metallographic mounting press for high performances



TECHNICAL DATA

- Solid structure in painted stainless steel
 - Hydraulic system (doesn't need any connection to the air line)
 - Easy interchangeable moulds (from 25,4 mm. up to 50mm.)
 - Large range of moulds:
 - 1"(25,4mm) - 30mm - 11/4"(31,8mm) - 11/2" (38,2 mm) - 40mm - 50mm
 - Dual sample capability during each cycle
 - Electronics PLC controlled and operated by the "Touch screen" panel
 - Creation and storage of programs according to the types of moulds and to the resins used
 - Option: colour touch screen display of the operating phases, with various colorations:
 - green/rest - red/active heating - blue/active cooling
 - Programmable temperatures up to 200 °C
 - Programmable times up to 99 min.
 - Adjustable pressure 0 ~ 200 bars with direct reading on digital display
 - Heating head with resistance up to 2000W
 - Head water cooling System
 - Ram control (up - down – still)
 - In & out water controlled by electric valve
 - Mould bayonette closure System with thermal protection
- Power supply: 220V -50/60H – 2000 W
•Dimensions : 400x500x650 mm
•Weight : 60Kg



Touch Screen Display

TECHNICAL DATA

- Corrosion, heat and impact resistant moulded cover
- Easy interchangeable moulds:
- 1"(25,4mm) - 30mm – 1"1/4(31,8mm) – 1"1/2 (38,2 mm) - 40mm - 50mm
- Touch Screen to set programs (12) for both moulds
- Possibility to make double samples simultaneously
- Pneumatic piston with double safety guide
- Adjustable pressure 0 ~ 6 bars with direct reading on digital display
- Mould bayonette closure system with thermal protection
- Electronic controlled by PLC.
- Automatic Cycle
- Touch Screen commands to:
- Start/Stop cycle
- Heating Temperature
- Dwell time
- Cooling temperature
- Programmable temperatures up to 200 °C
- Water system for head cooling
- In & out water controlled by electric valve
- Ram control (up - down – still)

- Power supply: 220V -50/60Hz 2000W
- Dimensions : 380x900x650 mm
- Weight: 85Kg



EP50PT

Already set up for additional unit



EP52PT

Automatic, hydraulic, metallographic mounting press for high performances

TECHNICAL FEATURES

MODEL	EP16 Pneumatic	EP50P Pneumatic	EP50PT Pneumatic	EP52PT Pneumatic	EP50T Hydraulic
Code	02-22-0A16-C	02-22-0P50-C	02-22-PA50-C	02-22-PT52-A	02-22-0A50-C
Steel frame - stainless steel screws	Yes				
Cover	Resin reinforced shockproof / corrosion				Steel
Watt	1200 W	2000 W			
Mould dimensions	1"(25,4mm) 30mm 1 1/4"(31,8mm) 1 1/2" (38,2 mm) 40mm	1"(25,4mm) - 30mm – 1 1/4"(31,8mm) – 1 1/2" (38,2 mm) - 40mm - 50mm			
Elettronics	Thermoregulator	Thermoregulator	Monochrome Touch Screen		Color Touch Screen
Cycle time	Yes				
Interchangeable Mould	No	Yes			
Closure Mould	Screw	Bayonette			
Power Supply	230 V – AC				
Cooling system	Connect to water source				
Piston driven by	Pneumatic system				Hydraulic motor
Dimensions (mm.)	380x450x600			380x900x600	400x500x650
Weight (kg.)	42 Kg.	50 Kg		85 Kg	81 Kg
Manual - tool set – CE Certificate	Yes				

Tecmet 2000 supplies a wide range of high quality consumables for the preparation of metallographic samples:

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 Consumables for finishing
 Abrasive papers
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 Polishing cloths
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* Ask for the Consumables Catalogue

HITECH
EUROPE



is product name of the metallographic instruments made in Italy by:

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