



MECAPRESS 5



MICROSCOPY • METROLOGY SERVICES
Suisse made.

▲ MOUNTING

MECAPRESS 5
Ref. 53100



MECAPRESS 5

THE MODULAR AND UPGRADEABLE HOT MOUNTING PRESS

MECAPRESS 5 is a modular hydraulic hot mounting press. Versatile and powerful, it enables the production of high-quality, customized mounts thanks to automatic mould recognition.

MECAPRESS 5 can accommodate up to two additional mounting modules, allowing a large number of samples to be processed daily.

Mounting time is significantly reduced with the latest-generation molds.

High capacity

- Dual mounting available
- From 1 to 6 simultaneous mountings (with 2 additional mounting units)
- Heating temperature adjustable from 20°C to 220°C
- Maximum mould diameter: 50mm

User-friendly

- Automatic detection of mould diameter
- Tool-free mould change
- Easy cleaning
- Connectable to a dust extraction system



Water cooling system

- Several options: tap water, recirculation tank, refrigerated cooling system

Modular

- Possibility to add up to two mounting units

Economical

- Optimized water consumption
- Energy saving modes: various cooling speeds, preheating standby

Safety

- Multiple sensors integrated to enable secure cycle initiation
- Detection of water supply failure
- Program editing with password protection



Machine status immediately visible

- Thanks to the LED light signature

Intuitive interface

- Adjustable parameters
- Pre-programmed processes based on mould diameter
- Storage capacity of 100 processes
- Customizable maintenance module integrated in software

MECAPRESS 5 FEATURES



INTERFACE

Automatic cycle	✓
Fast cycle time	✓
Intermediate ram (for mounting 2 samples per cycle)	✓
Mould closing detection	✓
Pulse-controlled cooling	✓
Water connector diameter (input and output)	Ø 12mm
Additional Mounting units	Up to 2

MOTOR - POWER SUPPLY

Power	2500W (base) 4500W (base + 1 mounting unit) 6500W (base + 2 mounting units)
Electrical input	230V/50 - 60Hz/16A for the base and each mounting unit

MOULDS

Mould diameter	25.4/30/31.7/38.1/40/50mm
Fast arm lock	✓
Secure mould closing	✓
Easily interchangeable moulds	✓

CONTROLS

Storage of mounting programs	Supports up to 100 saved programs
Display of mounting parameters	✓

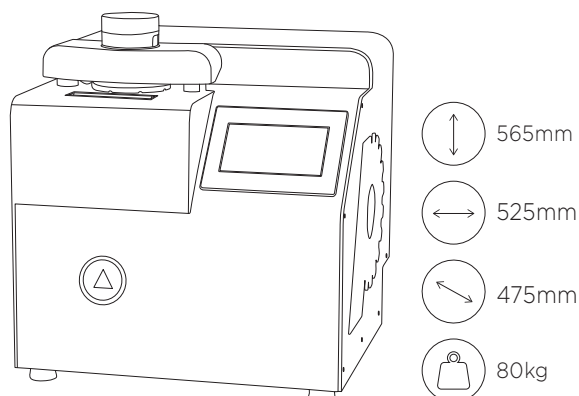
SETTINGS

Temperature	from 20 to 220°C, by step of 1°C
Heating time setting	from 1 to 999 seconds, by step of 1 second
Cooling time setting	from 30 to 999 seconds, by step of 1 second
Cooling mode	✓
Pressure	from 10 to 300 bars
Fragile sample function	Only with acrylic resin
Mounting parameters	✓
Possibility to stop the piston at the required position	✓

ERGONOMICS

Anti chalk system (Ref. 53520)	✓
Dust extraction system	✓
Built-in connectors for tank management and recirculation pump operation	✓
Easy cleaning	✓
Easy maintenance	✓

MECAPRESS 5



ADDITIONAL MODULES

Increase your simultaneous sample mounting capacity



Mounting unit MECAPRESS 5
Ref. 53110

ACCESSORIES

MOUNTING UNITS FOR MECAPRESS 5



Mould set Ø25mm - On request
Ref. 53999

Mould set Ø25.4mm
Ref. 53120

Mould set Ø30mm
Ref. 53121

Mould set Ø31.7mm
Ref. 53122

Mould set Ø38.1mm
Ref. 53123

Mould set Ø40mm
Ref. 53124

Mould set Ø50mm
Ref. 53125

INTERMEDIATE RAMS

The intermediate rams allow two simultaneous mountings using a single mold.



Intermediate ram Ø25.4mm - On request
Ref. 53999

Intermediate ram Ø25.4mm
Ref. 53130

Intermediate ram Ø30mm
Ref. 53131

Intermediate ram Ø31.7mm
Ref. 53132

Intermediate ram Ø38.1mm
Ref. 53133

Intermediate ram Ø40mm
Ref. 53134

Intermediate ram Ø50mm
Ref. 53135

ADDITIONAL MOUNTING UNITS



MECAPRESS 5 mounting unit
Ref. 53110

OTHER ACCESSORIES



Stainless steel recirculation tank and pump system (55l)
Ref. 53145



Refill cartridge for MECAPRESS anti chalk system
Ref. 53521



Vacuum unit for MECAPRESS
Ref. 53140

Coolant tank for MECAPRESS
Ref. 53150

CONSUMABLES

EPOXY RESIN

REF.	DESCRIPTION	
03009	Pack 2.5kg	Black epoxy
03109	Pack 10kg	Black epoxy
03156	Drum 25kg	Black epoxy

ALLYLIC RESIN

REF.	DESCRIPTION	
03005	Pack 2.5kg	Allylic fiber glass
03106	Pack 10kg	Allylic fiber glass
03157	Drum 20kg	Allylic fiber glass

ACRYLIC RESIN

REF.	DESCRIPTION	
03006	Pack 2.5kg	Acrylic with copper powder
03007	Pack 2.5kg	Transparent clear acrylic (powder)
03108	Pack 10kg	Transparent clear acrylic (powder)
03015	Pack 2.5kg	Granite clear acrylic

THERMOWOOD RESIN

REF.	DESCRIPTION	
03104	Pack 5kg	Thermowood
03158	Drum 20kg	Thermowood

NEW

PHENOLIC RESIN

REF.	DESCRIPTION	
03001	Pack 2.5kg	Black phenolic
03101	Pack 10kg	Black phenolic
03150	Drum 20kg	Black phenolic
03002	Pack 2.5kg	Green phenolic
03102	Pack 10kg	Green phenolic
03151	Drum 20kg	Green phenolic
03003	Pack 2.5kg	Red phenolic
03103	Pack 10kg	Red phenolic
03152	Drum 20kg	Red phenolic
03011	Pack 2.5kg	White phenolic
03105	Pack 10kg	White phenolic
03010	Pack 2.5kg	Black fiber glass
03111	Pack 10kg	Black fiber glass
03012	Pack 2.5kg	Conductive phenolic (carbon loaded)
03112	Pack 10kg	Phenolic red - fine grain
03017	Pack 2.5kg	Phenolic red - fine grain
03153	Drum 20kg	Phenolic red - fine grain

MOUNT RELEASE AGENT

REF.	DESCRIPTION
03208	Silfree-Jet* mould removal aerosol

* This product contains a silicone derivative but has no disruptive effect on painting operations.