GenPress MFA Dual HYD – Fully Automatic Dual Hydraulic Mounting Press

Standards: ASTM E3, ASTM E407, ISO/IEC 17025

- ULTIMATE USER-FRIENDLINESS
- LEADING DEPENDABILITY AND RELIABILITY
- STRICT COMPLIANCE WITH INDUSTRY STANDARDS
- STOCKED CONSUMABLES AND SPARES
- TRUSTED AFTER SALES TECHNICAL SUPPORT
- LIFETIME PRODUCT SUPPORT ADVANTAGE



Description

The **GenPress MFA Dual HYD** is a fully automatic mounting press for compression mounting of material samples in metallographic sample preparation. A 7" touch screen controller holds the parameters for heating, cooling and timing, and each set can be adjusted and saved. The press stores up to 100 operator created programs, and it sounds an alarm when the cycle is finished, so the operator can do other work in the laboratory while it runs..

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An integrated motorized system applies the compression that forms a sound mount. Sample sizes are available in 1", 1.25", 1.5", 1.75", 2" as well as 25 mm, 30 mm, 40 mm and 50 mm, and with optional sample spacers the press prepares one to two mounted samples per mold in a single cycle.

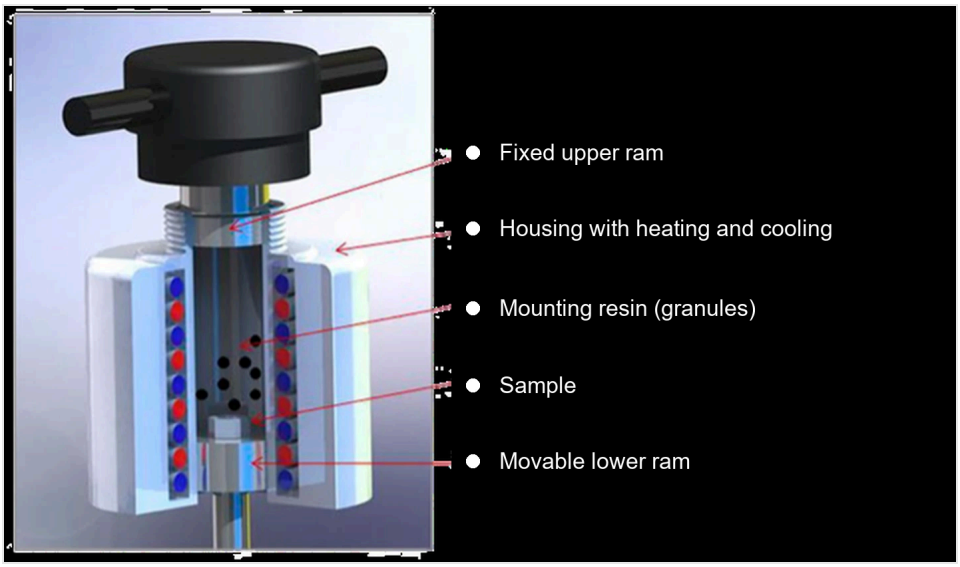
GenPress MFA: fully automatic compression mounting press.

GenPress MFA Dual HYD Features

The Dual HYD carries two molds, which is where the four samples per cycle come from.

Touch screen control	A 7" touch screen holds the heating, cooling and timing parameters.
Closed loop cycle	The process runs closed loop and fully automatic from load to alarm.
Hydraulic cycles	Precision hydraulic operated cycles, and the machine runs quietly.
Integrated cooling	The cooling system is built in, which is what shortens the preparation time per sample.
100 cycle memories	Up to 100 sets of cycle memory, selected and repeated as they were saved.
Four samples per cycle	Up to 4 samples can be produced in one cycle on the dual mold machine.
Custom molds	Molds are made to the size the laboratory works with.
Manual or automatic	The press is operated manually or automatically, whichever the job needs.
ABS shell	A high quality ABS shell that is easy to clean and maintain.

The sample sits in the resin between the two rams while the housing heats and then cools it.



Cutaway of the mold assembly.

Every value in a saved program is set on one screen.



Hold pressure, hold temperature, hold time and cool time on the screen.

GenPress MFA Dual HYD Technical Specifications

Hot compression mounting under ASTM E3 holds the specimen square to the grinding plate and protects its edge, which is what makes edge retention possible in the later steps. Check the mold diameter, the cycle times and the supply voltage against your workload before ordering. Imperial values come first, with the metric equivalent in brackets.

Specification	GenPress MFA Dual HYD
Model	GenPress MFA Dual HYD
Mold Diameter	Ø22/25/30/40/45/50 mm or Ø1″/1.25″/1.5″/1.75″/2″
Standard Features	Programmable database with the ability to store over 100 programs
System Pressure	0-300 Bar
Pressure Setting Range	0-60 Bar
Heater Power	4 kW
Temperature Range	0-200 °C adjustable
Time Range	0-99 min
Cooling Down Time Range	0-99 min
Pressure Loading	Automatic loading pressure (by hydraulic system)
Cooling	Water cooling (chiller available as an optional purchase)
Mounting Program	Can edit and save over 100 mounting programs
Operation and Display	7-inch touch screen
Working mode	Automatic and/or manual operation

Specification	GenPress MFA Dual HYD
Total Power	4.5 kW
Power Supply	AC220V 50/60 Hz
Dimension & Weight	30" × 23" × 22"; 209 lbs / 760 × 580 × 21.7" (550 mm); 95 kg

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GenPress MFA Dual HYD Standard Configuration

Every GenPress MFA Dual HYD is delivered with the following. Mounting resin, spacers and the mold assembly are ordered to the mount diameter your laboratory works to.

The full delivery scope:

- Mounting Press
- Mold Assembly (please identify which size of mold assembly upon ordering)
- Powder Spoon
- Funnel
- Water Inlet Pipe
- Drain Pipe
- Cleaning Brush
- 2x Dual Spacers
- Operation Manual

Tell us the mount diameters you work to and how many mounts you need per shift, and we will confirm the two mold assemblies to ship with your GenPress MFA Dual HYD.

For Laboratories

Need Additional Quality Control Equipment to Build Your Laboratory?

Mounting is only one part of a complete quality control laboratory. NextGen can help you equip your entire lab with impact testers, notching and broaching systems, cooling chambers, tensile testers, hardness testers, specimen preparation equipment, and other supporting solutions, all coordinated as one complete project.

- One partner to equip your complete laboratory
- Installation, training, calibration
- Support for the life of the equipment