

HOT MOUNTING PRESS
QPRESS 50



The hot mounting press Qpress 50 is a modular machine used in metallography for the fast, simultaneous and independent mounting of different materialographic specimens. The modularity of the Qpress 50 allows adjusting the machine configuration for varying sample sizes and throughputs, depending on customer requirements.

The base unit of the hot mounting press contains control interface and one mold assembly. It is available in 2 versions:

- | **Opress 50-2:** can be equipped with one additional pressing station (**total up to 2**)
- | **Opress 50-4:** can be equipped with up to three additional pressing stations (**total up to 4**)

The pressing stations are separated from the base unit and may be added later. Thus, it is possible to generate samples of up to 2 (Opress 50-2) respectively 4 (Opress 50-4) different diameters simultaneously in one device, making metallographic sample preparation flexible and fast. The diameter of the pressing station - each with or without chamfer - can be selected between **25.2 mm, 30 mm, 1¼" (~32 mm), 1½" (~38 mm), 40 mm and 50 mm.**

The integrated dust extractor **Dust Guard** of the hot mounting press protects the operator from inhaling fine dust, which is released when filling the mold with mounting material. The external vacuum cleaner is controlled via the base unit's control interface.

The intuitive control software of the hot mounting press is operated via a 7" touch screen and features **pre-installed mounting methods** and consumables, plus the possibility to store more than **200 user-defined programs** for a range of metallographic preparation processes. Various user accounts with different access rights can be created to set user restrictions, define maintenance tasks and adjust mounting parameters. The operator can be equipped with different access levels, e.g. to edit parameters and define custom maintenance tasks as well as cooling modes if required. The administrator account of the hot mounting press can lock parameters individually for each user.

The hot mounting press Qpress 50 is **designed for fast mounting**. It features an adjustable pre-heating function, which significantly improves the machine's sample throughput. The innovative design of the mounting cylinder guarantees very precise and energy-efficient temperature control during the preparation process.

The proven **one-hand closure system** of the hot mounting press has been optimized and transports excess mounting material into an integrated dirt trap when the mold is closed. Dust is removed through the suction nozzle during filling. The closure of the mold can be raised for easy cleaning of the upper ram. No tools are needed for removing the closing unit. Sensors ensure that a mounting process can only be started if the mold has been closed properly.

The modern design of the **powder-coated steel housing** in addition to the use of high-quality components, make the hot mounting press Qpress 50 a robust device with a small footprint. Minimum power consumption and many configuration options ensure impressive efficiency during metallographic sample preparation.

PRODUCT ADVANTAGES

- | Modular hot mounting press
- | Qpress 50-2: basic unit extendable with 1 additional pressing unit
- | Qpress 50-4: basic unit extendable with up to 3 additional pressing units
- | Fast mounting with low power consumption
- | Proven one-hand closure system with integrated dirt trap and suction nozzle
- | Dust Guard: removal of fine dust during filling of mould by connected vacuum cleaner
- | 7" touch display with innovative control software
- | High flexibility due to preheating function, cooling modes, maintenance tasks and user account management features

FEATURES

Modular design	
Max. number of pressing units	2/4 Qpress 50-2: up to 2 Qpress 50-4: up to 4
Mould cylinder	Ø 25.2 - 50 mm (6 different sizes)
Closure system	slide closure
Thermostate range	20-200°C
Heating time	adjustable
Cooling time	adjustable
Max. pressure in mould cylinder depending on mold assembly's size	250-350 bar
Connection power (basic unit)	1.6 kVA
Connection power (additional pressing unit)	1.5 kVA
Heating power	1200 W
W x H x D (basic unit)	402 x 382 x 563 mm
W x H x D (additional pressing unit)	187 x 382 x 449 mm
Weight	~ 50 kg

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