QATM
QUALITY ASSURED

HOT MOUNTING PRESS

QPRESS 50

The Qpress 50 is a modular hot mounting press for fast and simultaneously independent mounting of different materialographic specimens. Due to its modularity the Qpress 50 can be configured ideally to the specific customer's needs; e.g. the specimens can differ in size and material.

The 7" touch screen with intuitive software contains user account management, preinstalled recipes and user-defined maintenance tasks and more. The device combines fast mounting and high energy efficiency in a robust powder-coated steel case.

Click to view video

PRODUCT ADVANTAGES

- 7" touch screen user interface with intuitive QATM user software
- Sliding closure with comfortable one-hand operation
- Dust Guard removes fine dust to improve safety
- Fast mounting
- High modularity for both simultaneous and independently controlled mounting
- User account management with different access rights
- Pre-installed preparation methods and consumables
- Powder coated steel housing

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FEATURES

IMPROVED SLIDING CLOSURE

One-hand sliding closure with integrated suction nozzle. When the mold is closed, excess granulate is pushed into a removable compartment (dirt trap). The sliding closure can be lifted off to clean the upper flask.

USER SAFETY

An integrated exhaust device (Dust Guard) protects the operator from inhaling expired fine dust during filling the moulds with mounting resin.

EASY TO OPERATE

The multi-functional button indicates the selected mounting unit, the operation state of the pressing unit and facilitates the operation of the whole unit. The 7" touch display with control software consists of pre-installed mounting methods, consumables and offers the storage of more than 200 user-defined mounting methods.

FAST MOUNTING CYCLE

The Qpress 50 is designed for fast mounting including a pre-heat function and safes significantly time compared to other hot mounting presses.

HIGHLIGHTS

- High modularity to meet specific customer needs
- Dust Guard removes fine dust to improve safety
- Innovative design of heating/cooling unit

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guarantees precise and energy-efficient mounting process
| Basic unit supports all additional pressing units
| Pre-heat function reduces cycle time
| Adjustable cooling power and a choice of cooling modes reduce water consumption

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EXCELLENT MODULARITY TO MEET YOUR NEEDS

QPRESS 50-2 - FOR MEDIUM QUANTITY OF MOUNTS

The Qpress 50-2 is the perfect choice for small and medium quantities of mounts. The basic unit includes one pressing unit and can be extended with one additional mounting unit at any time. The units are operated independently and simultaneously.

QPRESS 50-4 - FOR LARGE QUANTITY OF MOUNTS

Up to 4 mounts can be done simultaneously and independently from each other. The basic unit includes one pressing unit and is extendable by 1, 2 or 3 additional mounting units. The diameter of the mount of each pressing unit is chosen individually by 25.2 mm, 30 mm, 1 ¼" (~32 mm), 1 1/2" (~38 mm), 40 mm and 50 mm - each diameter with or without chamfer.

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MOUNTING IN 4 EASY STEPS

1. Fill the mould with the respective mounting material

2. Close the sliding closure by one-hand operation

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3. Clean dirt trap as excess mounting material is automatically pushed towards it

4. Start the mounting method with multifunctional button

CLEAR, ROBUST DESIGN MADE IN GERMANY

SUPERIORITY IN DETAIL

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1. Sliding closure

- One-hand operation
- Innovative design
- Safety closure under pressure
- Easy to operate
- Removable for cleaning upper ram
- Includes dirt trap

2. Mounting

- Fast mounting
- 4 different pressure modes
- Highly precise temperature control
- Adjustable heating/ cooling power

3. Modularity

- Up to three different mount sizes
- Simultaneous mounting
- Independently controlled
- Status indication by the multifunctional button

4. Control interface

- 7" color touch screen
- Intuitive control software
- Pre-installed preparation methods for QATM consumables
- Smart control modularity
- Assistance function for easy use of the additional pressing units

5. Pre-heat function

- Pre-heating of mould
- Reduces cycle time
- Pre-heat temperature can be set manually

6. Dust Guard

- Vacuums fine dust of mounting material
- Integrated in design of sliding closure
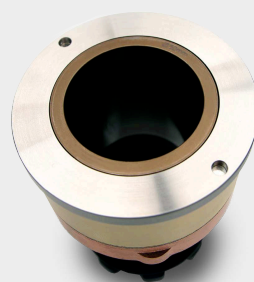
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ACCESSORIES

RECIRCULATION COOLING UNIT

| Powerful cooling with adjustable water temperature
| Resource-saving circulation system instead of fresh water
| Low maintenance, as the coolant circulates in a closed circuit, thus reducing limescale deposits

Also available as system cooling with the following advantages:

| Convenient mobile slide-in mechanism
| Can be fully integrated into the QATM system laboratory (system drawer 21 HT)

MOULD ASSEMBLY

Available with or without chamfer in these sizes: Ø 25.2 mm, Ø 30 mm, Ø 1¼" (~32 mm), Ø 1½" (~38 mm), Ø 40 mm, Ø 50 mm
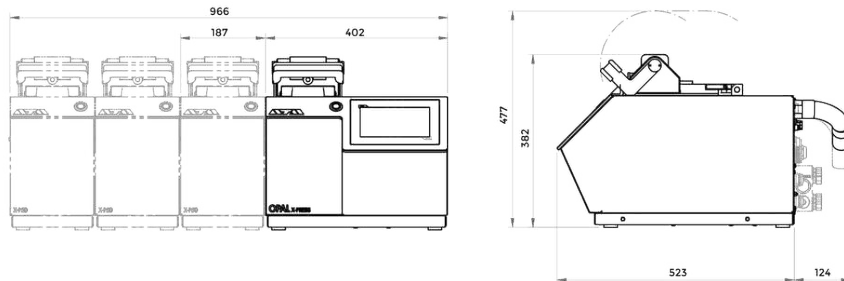
PERFECT MOUNTING – CONSUMABLES BY QPREP

Mounting is more reliable, safer and more efficient when performed with the right equipment: Knowledge, exercising care and the right choice of consumables and equipment are crucial.

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HOT MOUNTING PRESS QPRESS 50

TECHNICAL DATA

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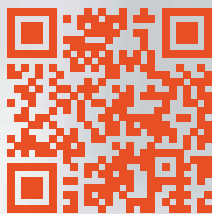part of **VERDER** scientific

FEATURES

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

www.qatm.com/qpress-50

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