



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" industrial touchscreen 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" industrial touchscreen 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

HOT MOUNTING PRESS QPRESS 50

FEATURES



IMPROVED SLIDING CLOSURE

One-hand sliding closure with integrated suction nozzle. When the mould 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" industrial touchscreen 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 saves 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 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



FOR UP TO 4 MOUNTS SIMULTANEOUSLY

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 1/4" (~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



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

1. Sliding closure

4. Control interface

- | 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

- | 7" color industrial touchscreen
- | 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

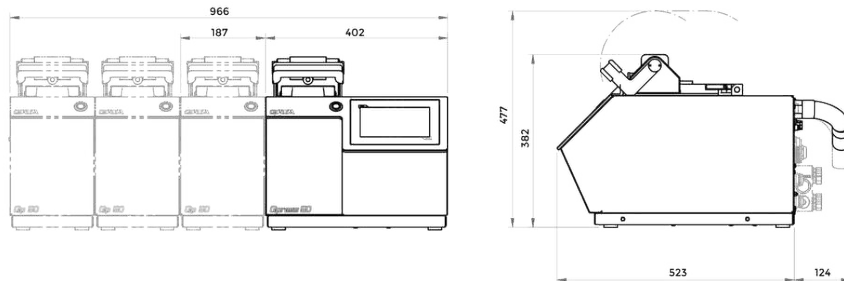
PERFECT MOUNTING – CONSUMABLES BY QPREP

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.



HOT MOUNTING PRESS QPRESS 50

TECHNICAL DATA



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

ORDER DATA

BASIC EQUIPMENT

MACHINE (1 ITEM REQUIRED)

M0800002		Qpress 50-4 basic unit 200-240 V 50/60 Hz (1Ph/N/PE) type 1+3 additional units possible
M0800003		Qpress 50-4 basic unit 100-120 V 50/60 Hz (1Ph/N/PE) type 1+3 additional units possible
M0800004		Qpress 50-2 basic unit 200-240 V 50/60 Hz (1Ph/N/PE) type 1+1 additional unit possible
M0800005		Qpress 50-2 basic unit 100-120 V 50/60 Hz (1Ph/N/PE) type 1+1 additional unit possible

ADDITIONAL PRESSING UNIT (CAN BE ORDERED SEPARATELY)

A0800011		Pressing unit (Qp 50) 230V 50Hz
A0800012		Pressing unit (Qp 50) 110V 60Hz

MOULD CYLINDER FOR 230V/50HZ VERSION (TO BE ORDERED WITH THE MACHINE OR PRESSING UNIT)

A0800237	Qpress 50 mould cylinder Ø 25 mm
A0800238	Qpress 50 mould cylinder Ø 1"
A0800239	Qpress 50 mould cylinder Ø 30 mm
A0800240	Qpress 50 mould cylinder Ø 1 1/4"
A0800241	Qpress 50 mould cylinder Ø 1 1/2"
A0800242	Qpress 50 mould cylinder Ø 40 mm
A0800243	Qpress 50 mould cylinder Ø 50 mm
A0800244	Qpress 50 mould cylinder Ø 2"
A0800245	Qpress 50 mould cylinder Ø 25 mm, with chamfer
A0800246	Qpress 50 mould cylinder Ø 1", with chamfer
A0800247	Qpress 50 mould cylinder Ø 30 mm, with chamfer
A0800248	Qpress 50 mould cylinder Ø 1 1/4", with chamfer

A0800249	Qpress 50 mould cylinder Ø 1 1/2", with chamfer
A0800250	Qpress 50 mould cylinder Ø 40 mm, with chamfer
A0800251	Qpress 50 mould cylinder Ø 50 mm, with chamfer
A0800252	Qpress 50 mould cylinder Ø 2", with chamfer

MOULD CYLINDER FOR 110V/60HZ VERSION (TO BE ORDERED WITH THE MACHINE OR PRESSING UNIT)

A0800127	Qpress 50 mould cylinder Ø 25 mm
A0800128	Qpress 50 mould cylinder Ø 1"
A0800129	Qpress 50 mould cylinder Ø 30 mm
A0800130	Qpress 50 mould cylinder Ø 1 1/4"
A0800131	Qpress 50 mould cylinder Ø 1 1/2"
A0800132	Qpress 50 mould cylinder Ø 40 mm
A0800133	Qpress 50 mould cylinder Ø 50 mm
A0800134	Qpress 50 mould cylinder Ø 2"
A0800135	Qpress 50 mould cylinder Ø 25 mm, with chamfer
A0800136	Qpress 50 mould cylinder Ø 1", with chamfer
A0800137	Qpress 50 mould cylinder Ø 30 mm, with chamfer
A0800138	Qpress 50 mould cylinder Ø 1 1/4", with chamfer
A0800139	Qpress 50 mould cylinder Ø 1 1/2", with chamfer
A0800140	Qpress 50 mould cylinder Ø 40 mm, with chamfer
A0800141	Qpress 50 mould cylinder Ø 50 mm, with chamfer
A0800142	Qpress 50 mould cylinder Ø 2", with chamfer

OPTIONS (TO BE ORDERED WITH MACHINE)

95014560		Starter Kit Hot Mounting
Z0800001		Connection set (basic unit to cooling)
A0800233		Cooling unit 1,7kW stand alone 230V/50Hz (1Ph/N/PE)
A0800234		Cooling unit 1,7kW stand alone 110V/60Hz (1Ph/N/PE)
A0800235		System cooling unit 1.7kW for system lab cabinet (21 HT) 230V/50Hz (1Ph/N/PE)

A0800236	System cooling unit 1.7kW for system lab cabinet (21 HT) 110V/60Hz (1Ph/N/PE)
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A0800227	Qpress 50 vacuum cleaner 230V/50Hz (1Ph/N/PE)
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A0800228	Qpress 50 vacuum cleaner 110V/60Hz (1Ph/N/PE)
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