



HETE MONTAGE PERS

## 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.



[Klik om video te bekijken](#)

## PRODUCTVOORDELEN

- | 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

## HETE MONTAGE PERS QPRESS 50

### KENMERKEN



#### 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.

## HETE MONTAGE PERS QPRESS 50

### 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



## HETE MONTAGE PERS QPRESS 50

### TOEBEHOREN



#### 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

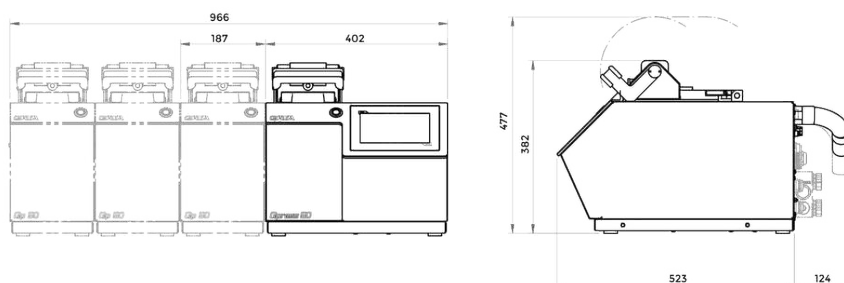
#### PERFECT MOUNTING – CONSUMABLES BY QPREP

Inbedden is betrouwbaarder, veiliger en efficiënter als het met de juiste ingrediënten gebeurt: kennis, zorg en de juiste keuze van verbruiksmaterialen en instrumenten.



HETE MONTAGE PERS QPRESS 50

## TECHNISCHE GEGEVENS



|                                                                        |                                                 |
|------------------------------------------------------------------------|-------------------------------------------------|
| <b>Max. aantal perseenheden</b>                                        | 2/4<br>Qpress 50-2: tot 2<br>Qpress 50-4: tot 4 |
| <b>Pers cilinder</b>                                                   | ø 25.2 - 50 mm (6 verschillende maten)          |
| <b>Sluitsysteem</b>                                                    | schuifsluiting                                  |
| <b>Thermostaatbereik</b>                                               | 20-200°C                                        |
| <b>Verwarmingstijd</b>                                                 | instelbaar                                      |
| <b>Koeltijd</b>                                                        | instelbaar                                      |
| <b>Max. druk in pers-cilinder afhankelijk van constructie-afmeting</b> | 250-350 bar                                     |
| <b>Verbindingsvermogen (basiseenheid)</b>                              | 1.6 kVA                                         |
| <b>Verbindingsvermogen (extra perseenheid)</b>                         | 1.5 kVA                                         |
| <b>verwarmingsvermogen</b>                                             | 1200 W                                          |
| <b>B x H x D (basiseenheid)</b>                                        | 402 x 382 x 563 mm                              |
| <b>B x H x D (extra perseenheid)</b>                                   | 187 x 382 x 449 mm                              |
| <b>Gewicht</b>                                                         | ~ 50 kg                                         |
| <b>Weight additional pressing unit</b>                                 | ~ 40 kg                                         |

[www.qatm.com/qpress-50](http://www.qatm.com/qpress-50)

## BESTELGEGEVENS

### BASIS UITRUSTING

#### MACHINE (1 ITEM NOODZAKELIJK)

|          |                                                                                   |                                                                                               |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| M0800002 |  | Qpress 50-4 basis eenheid 200-240 V 50/60 Hz (1F/N/PE) type 1+3 aanvullende eenheden mogelijk |
| M0800003 |  | Qpress 50-4 basis eenheid 100-120 V 50/60 Hz (1F/N/PE) type 1+3 aanvullende eenheden mogelijk |
| M0800004 |  | Qpress 50-2 basis eenheid 200-240 V 50/60 Hz (1F/N/PE) type 1+1 aanvullende eenheid mogelijk  |
| M0800005 |                                                                                   | Qpress 50-2 basis eenheid 100-120 V 50/60 Hz (1F/N/PE) type 1+1 aanvullende eenheid mogelijk  |

#### AANVULLENDE PERS-EENHEID (KAN AFZONDERLIJK BESTELD WORDEN)

|          |                                                                                     |                                |
|----------|-------------------------------------------------------------------------------------|--------------------------------|
| A0800011 |  | Pers eenheid (Qp 50) 230V 50Hz |
| A0800012 |  | Pers eenheid (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 pers 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 pers cylinder Ø 40 mm                    |
| A0800243 | Qpress 50 pers cylinder Ø 50 mm                    |
| A0800244 | Qpress 50 mould cylinder Ø 2"                      |
| A0800245 | Qpress 50 mould cylinder Ø 25 mm, met afschuining  |
| A0800246 | Qpress 50 mould cylinder Ø 1", met afschuining     |
| A0800247 | Qpress 50 pers cylinder Ø 30 mm, met afschuining   |
| A0800248 | Qpress 50 mould cylinder Ø 1 1/4", met afschuining |

|          |                                                    |
|----------|----------------------------------------------------|
| A0800249 | Qpress 50 mould cylinder Ø 1 1/2", met afschuining |
| A0800250 | Qpress 50 pers cylinder Ø 40 mm, met afschuining   |
| A0800251 | Qpress 50 pers cylinder Ø 50 mm, met afschuining   |
| A0800252 | Qpress 50 mould cylinder Ø 2", met afschuining     |

#### 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 pers 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 pers cylinder Ø 40 mm                    |
| A0800133 | Qpress 50 pers cylinder Ø 50 mm                    |
| A0800134 | Qpress 50 mould cylinder Ø 2"                      |
| A0800135 | Qpress 50 mould cylinder Ø 25 mm, met afschuining  |
| A0800136 | Qpress 50 mould cylinder Ø 1", met afschuining     |
| A0800137 | Qpress 50 pers cylinder Ø 30 mm, met afschuining   |
| A0800138 | Qpress 50 mould cylinder Ø 1 1/4", met afschuining |
| A0800139 | Qpress 50 mould cylinder Ø 1 1/2", met afschuining |
| A0800140 | Qpress 50 pers cylinder Ø 40 mm, met afschuining   |
| A0800141 | Qpress 50 pers cylinder Ø 50 mm, met afschuining   |
| A0800142 | Qpress 50 mould cylinder Ø 2", met afschuining     |

## OPTIONS (TO BE ORDERED WITH MACHINE)

|          |                                                                                     |                                                                               |
|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| 95014560 |  | Starter Kit Hot Mounting                                                      |
| Z0800001 |                                                                                     | Connectie set (basis eenheid aan koeling)                                     |
| 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) |
|----------|-------------------------------------------------------------------------------|

|          |                                               |
|----------|-----------------------------------------------|
| A0800227 | Qpress 50 vacuum cleaner 230V/50Hz (1Ph/N/PE) |
|----------|-----------------------------------------------|

|          |                                               |
|----------|-----------------------------------------------|
| A0800228 | Qpress 50 vacuum cleaner 110V/60Hz (1Ph/N/PE) |
|----------|-----------------------------------------------|