



The **Opal 410** is a fully hydraulic, water cooled hot mounting press for mounting samples before polishing. The process sequence is executed automatically. Mould assemblies can be exchanged quickly and without tools. The robust aluminium construction is powder coated. With its solid construction and ATM hydraulic system, the operating noise of the machine is minimized.



SIMPLE OPERATION

The bayonet connection enables easy loosening and swinging to the side. Externally accessible closure components are PTFE-coated. After pressing the start key, the fully automatic program is executed with the preselected parameters. The parameters can be changed and adjusted during the mounting process.

MOULD ASSEMBLIES

Our comprehensive selection of mould assemblies from \varnothing 25.2 - 40 mm enables optimum mounting of your sample. Two mounts can be produced simultaneously with the use of a spacer.

COOLING WITH WATER-SAVING-FUNCTION

The mounting process is either cooled with continuous or pulsed water flow. Thereby, a considerably lower water consumption can be achieved by pulsed cooling.

ELECTRONIC CONTROL

With its clear LCD operation panel you can easily control the hot mounting press.

PRESSURE CONTROL

Besides the standard operation, you can choose between six pressures depending on sample diameter.

HEATING

Our high-power heating system gives a very short warm-up time.



BASIC MODULE



OPAL 410

Order No.: M0770000

- » Automatic hot mounting press
- » Fully hydraulic operation with automatic water cooling (with water saving function)
- » Bayonet closure system
- » Computer controlled
- » Double mount capability
- » Aluminium case, powder coated
- » Easy change of mould assemblies

EQUIPMENT

POWER SUPPLY (select equipment)

Equipment 1

230 V/50 Hz (1/N/PE)

Order No.: A0770000

Equipment 2

110 V/60 Hz (1/N/PE)

Order No.: A0770001

ACCESSORIES

COOLING UNIT

Recirculation unit

» Extern

- » Cooling 0.81 kW
- » Motor 0.6 kW
- » Flow pressure 2.8 bar
- » Tank 6 Ltr.
- » WxHxD 440x345x565mm



230 V/50 Hz (1/N/PE)

Order No.: Z0730007

110 V/60 Hz (1/N/PE)

Order No.: Z0730008

System cooling unit

» Integrated in drawer

- » Cooling 0.81 kW
- » Motor 0.6 kW
- » Flow pressure 2.8 bar
- » Tank 6 Ltr.



230 V/50 Hz (1/N/PE)

Order No.: A5800118

110 V/60 Hz (1/N/PE)

Order No.: A5800141



Water cooling with water saving-function

ACCESSORIES

MOULD ASSEMBLIES (CYLINDER, UPPER- AND LOWER RAM)



- Order No.:
- Ø 25,2 mm (appr. 1") Z0770101
 - Ø 30 mm Z0770102
 - Ø 32 mm Z0770103
 - Ø 31,75 mm (1¼") Z0770104
 - Ø 38 mm (appr. 1½") Z0770105
 - Ø 40 mm Z0770106

SPACERS FOR DOUBLE MOUNTS



- Order No.:
- Ø 25,2 mm (appr. 1") 00702113
 - Ø 30 mm 00702114
 - Ø 32 mm 00702115
 - Ø 31,75 mm (1¼") 00702141
 - Ø 38 mm (appr. 1½") 00702116
 - Ø 40 mm 00702117

CONNECTION SET

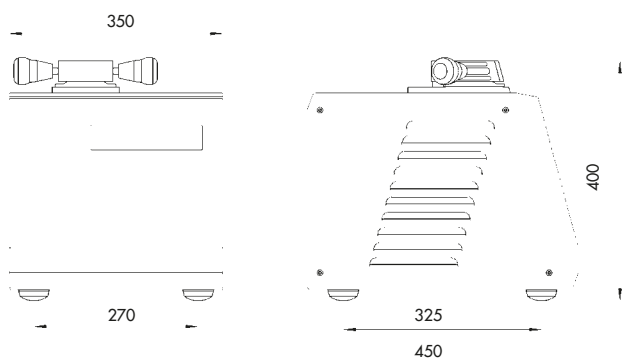
- Order No.: Z0730003
- » 2 pressure tubes R ½"; 2 m
 - » Adapter for ¾"

SYSTEM LAB CABINET



- Order No.: M5800048
- » WxHxD 880x800x800 mm
 - » System lab assembly

SPECIFICATIONS



Moulds	Ø 25.2 - 40 mm
Connected load	2.5 kVA
Power supply	1 230 V/50 Hz (1/N/PE)
	2 110 V/60 Hz (1/N/PE)
Heating	4 x 500 Watt
Temperature range	0 – 200 °C
Heating timer	variable / 0 - 30 min
Cooling timer	variable / 0 - 30 min
Pressure	up to 450 bar depending on mould
WxHxD	350 x 400 x 450 mm
Weight	40 kg



OPAL 410

