



SLIDING CLOSURE

The new sliding closure is a unique innovation and allows quick and easy opening/closing of the mould assembly. By actuating the lever, the closure slides to the correct position. After initiating the cycle the mould closes and reopens automatically on completion.



SIMPLE OPERATION

After pressing the start key, the fully automatic program sequence is executed with the preselected parameters. The parameters can be changed and adjusted during the mounting process.

OPAL 460

The OPAL 460 is a fully hydraulic, water cooled hot mounting press for mounting samples before polishing.

The process sequence is executed automatically.

The fully automatic sliding closure allows quick and easy opening/closing of the mould assembly.

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.

PRESSURE MODE

Besides the standard operation, you can choose between different pressure methods:

- » Pressure increases parallel with the pre-heating phase (ideal for hollow specimens, e.g. rings).
- » Pressure increases after the preset temperature is reached to produce mounts as gap free as possible (ideal for complex geometries).

HEATING

Our high-power heating system gives a very short warm-up time. For delicate samples the machine can infinitely adjust the heating curve.



ELECTRONIC CONTROL

With its clear LCD operation panel you can easily control the hot mounting press. You can load and save eighteen different mounting processes.



MOULD ASSEMBLIES

Our comprehensive selection of mould assemblies from Ø 25.2 - 50 mm enables optimum mounting of your sample.

Two mounts can be produced simultaneously with the use of a spacer.

BASIC MODULE



OPAL 460



Order No.: M0780005

- » automatic hot mounting press
- » fully hydraulic operation with automatic water cooling (with water saving function)
- » completely new and easy automatic closure system
- » computer controlled with automatic cycle system
- » four different pressure modes
- » easy change of mould assemblies
- » aluminium case, powder coated

EQUIPMENT

POWER SUPPLY



Equipment 1

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

Order No.: A0780005

Equipment 2

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

Order No.: A0780006

ACCESSORIES

COOLING UNIT

Recirculation unit

» extern

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

Order No.: Z0730007

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

Order No.: Z0730008

Cooling	0.81 kW
Motor	0.6 kW
Flow pressure	2.8 bar
Tank	6 ltr.
WxHxD	440x345x565mm



System cooling unit

» integrated in drawer

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

Order No.: A5810171

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

Order No.: A5810172

Cooling	0.81 kW
Motor	0.6 kW
Flow pressure	2.8 bar
Tank	6 ltr.



INSERTS

Mould assemblies

» cylinder, upper and lower ram

Order No.:

Ø 25.2 mm (appr. 1")	Z0780101
Ø 30 mm	Z0780102
Ø 32 mm	Z0780103
Ø 31.75 mm (1¼")	Z0780104
Ø 38 mm (appr. 1½")	Z0780105
Ø 40 mm	Z0780106
Ø 50 mm	Z0780107



Spacer

» 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
Ø 50 mm	00702118



ACCESSORIES

CONNECTION SET



Order No.: Z0730003

2x pressure tube	R 1/2"; 2 m long
Adapter	for 3/4"

Order No.: Z0730004

» connection set for two Opal presses

SPECIFICATIONS

Mould	Ø 25.2 - 50 mm
Connected load	3.1 kVA
Power supply	1 230 V/50 Hz (1Ph/N/PE)
	2 110 V/60 Hz (1Ph/N/PE)

Heating time	variable / 0 - 30 min
Cooling time	variable / 0 - 30 min
Max. pressure	up to 250 bar depending on mould

Heating	4 x 500 Watt
Temperature range	0 - 200 °C

WxHxD	390x450x500 mm
Weight	62 kg

