



60 ML30M 00

## **MASTER LAM 3.0** Geological polishing

Automatic polisher Ø300mm with Individual/Centrale pressure head

### **Description**

- Strong et reliable machine with new technology
- Easy to use and ergonomic
- Graphic user surface touch screen color display 5,7" for simple operating and programs saving
- USB plug for saving or loading programs
- Steel casing powder coated RAL 9003(white)
- Electronic solenoide valve, to apply constant pressure on the samples
- Power head with Combo pressure system (Individual or Central pressure)
- Motors drive with frequency converter, ensuring a constant torque
- Easy change from individual to central pressure (HMI)
- Energy saving LEDs illuminate the working area
- Rinsing tap with pulling out tube to clean the basin
- Removable plastic bowl for easy cleaning





## Features

### Single plate machine:

- working wheel Ø300mm
- variable speed 20 - 650 rpm
- clockwise / counter clockwise rotation
- total connection power 0,75 kW
- connection 230 Volts 50 Hz/60 Hz (1 phase)
- suitable pneumatic supply : 6 bars
- tube for bowl flushing
- automatic water solenoid

### Polishing head with individual/centrale pressure:

- High torque motor
- variable speed 10 - 150 rpm
- clockwise / counter clockwise rotation
- pressure force individual pressure var. 5 - 100N
- pressure force central pressure var. 5 - 400N
- sample size in individual pressure mode 1 - 6 samples Ø60mm
- sample size in central pressure mode according to sample holder

## Dimensions & weight

550 x 670 x 580 mm

85 kg

## Included :

Individual pressure sample-holder, 6 cavities Ø60mm  
Set of 6 aluminium holders, for thin section 30x45mm  
Set of 3 aluminium holders, for thin section 60x45mm

## Optional equipment (need to be order with the machine)

- 60 MLD00 00 *DISTRILAM* dispenser per peristaltic pump :  
- 4 circuits (3 x diamond suspensions, 1 x lubricant)  
- manual/automatic with reverse rinsing function  
- dosing nozzle on magnetic holder  
- area for bottles with fixing for tubes, dim.170x205x200mm
- 60 00375 90 Filtration kit for compressed air - 5µm
- 60ML00260 Program which includes passwords  
*allow supervisor mode, user mode with limited access*

## Additional standard material

### Working plate and attachment system

- 08 82704 00 Aluminium working plate Ø 300mm
- 05FAS2050 FAS-2 Disc D300mm Self-adhesive
- 05FAS2M50 FAS-2 Disc D300mm Magnetic
- 088280410 FMS disk D300mm (magnetic support, to be stucked on working plate)

### Stainless steel sample holder for central pressure

- 06 SLC10 00 Sample Holder CP D160mm, 3 Cavities 28x48-Petrology Samples
- 06 K0010 00 Adaptor to use Universal Sample Holder on MASTERLAM 3.0

- 60ML300222 User and maintenance guide Masterlam 3.0 in english