



60 ML30B 00

MASTERLAM 3.0 with oscillating head

Automatic grinder/polisher Ø250/300mm with Individual/Centrale pressure head and oscillating movement

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) an oscillating movement (stroke and speed adjustable)
- 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 Ø 250/300mm
- 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 Ø50mm
- sample size in central pressure mode according to sample holder
- Exclusive oscillating movement of the polishing head during the cycle
Speed of the movement is adjustable, as well the stroke of the movement

Dimensions & weight

550 x 670 x 580 mm

85 kg

Included :

60ML300222 User and maintenance guide for masterlam 3.0 in english

Optional equipment (need to be order with the machine)

600061190 Chinese plug

60 MLEP0 00 Safety hood

- Fully transparent device
- Safety canopy, complies with the european safety standards 2006/42/EC et 2004/108/EC (its opening will immediatly stop the cycle, and release the pressure on samples)
- Retractable canopy : movement is assisted by 2 gas struts, on each side of the machine
- Touch panel : the screen to control the machine is located right side of the unit
- necessary space : width 790mm, height : 910mm





- 60 A0029 00 Sedimentation/recirculating tank
-Primary tank 5 liters, with sedimentation grid, removable
-secondary tank 60 liters
-intergrated pump, to ensure the supply of liquid (close network)
-Tank on casters, for an easy cleaning
-System enslave to the machine (need to be order with the machine)

Additional optional equipment

- 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

Additional standard material

Working plate and attachment system

- 08 82704 00 Aluminium working plate Ø 300mm
60 SL006 90 clamping ring (metal)for abrasive papers Ø 300mm
08 82734 00 Aluminium working plate Ø12"
60 SL007 90 clamping (metal)ring for abrasive papers Ø 305mm (12")
088270300 Aluminium working plate Ø 250mm
60 SL004 90 clamping ring (metal)for abrasive papers Ø250mm

Working plate and attachment system

- 088273300 Aluminium working plate Ø10"
60 SL007 90 clamping ring (metal)for abrasive papers Ø10"

- 06ML08190 Metal bowl reducer, for plate Ø250mm or 10"

Stainless steel sample holder for individual pressure

- 06 MLI10 00 Sample holder for individual pressure Ø160mm 6 cavities Ø50mm
06 MLI10 10 Sample holder for individual pressure Ø160mm 6 cavities Ø2"
06 MLIK1 10 Distance rings Ø25,4mm (6 units)
06 MLIK2 00 Distance rings Ø30mm (6 units)
06 MLIK3 00 Distance rings Ø32mm (6 units)
06 MLIK5 00 Distance rings Ø40mm (6 units)
06 MLIK3 10 Distance rings Ø1-1/4" (6 units)
06 MLIK4 10 Distance rings Ø1-1/2" (6 units)

Stainless steel sample holder for central pressure

- 06 SMC20 00 Sample holder CP Ø119mm with 6 tear shape cavities Ø 20 to 32mm (for plate Ø200-250mm)
06 MLC10 00 Sample holder Ø160mm for central pressure tear shape 6 cavities Ø 20-40mm
06 MLC30 00 Sample holder Ø160mm for central pressure 9 cavities Ø 30mm
06 MLC40 00 Sample holder Ø160mm for central pressure 6 cavities Ø 40mm
06 MLC50 00 Sample holder Ø160mm for central pressure 5 cavities Ø 50mm
06 MLC51 00 Sample holder Ø160mm for central pressure 5 cavities Ø2"
06 MLC12 00 Sample holder Ø160mm for central pressure 3 cavities 40x70mm
06 MLC14 00 Sample holder Ø160mm for central pressure 6 cavities 25x34mm

- 06 MLP01 00 Levelling disc 3mm for sample-holder Ø160mm
06 MLP02 00 Levelling disc 3mm for sample-holder Ø119mm