

LAPPING & POLISHING MACHINES

M.M.2380

Developed on well-known and proven technological bases, this equipment will perfectly respond to your needs in terms of double-side lapping and polishing of parts with a diameter between 5 and 30 mm.

Capable of integrating LAM PLAN lapping plates, this machine will be the solution when obtaining a geometry and ratings dimensions are key factors. In parallel, the possibility of associating the M.M.2380 to polishing supports will enable you to answer your needs when the quality of the polished surface is the decisive criteria.

Description

The M.M.2380 is built on a welded and bolted steel frame to guarantee stable and repeatable results. The plates (inferior and superior) and the central cog drive is assured by "brushless" motors, allowing to regulate the speed and to choose the rotational direction. The plates have a 380 mm exterior diameter and allow the use of 5 carriers with a useful capacity of \varnothing 125 mm.

Touch screen control panel

All the machine settings are controlled through a large 10.5 inches touch screen. The design of the Man-machine interface assures an efficient equipment handling. This screen will show the pressure applied on the parts and the motor torque in real time. The M.M.2380 can also be endowed with a "stock removal measurement" system. Apart from the cycle time, the machine automatically stops its cycle when the target thickness of the parts is reached.

User-friendly device

The M.M.2380 can be equipped with a system enabling a rapid setting of the carriers. A "rack" system enables to store many satellites filled by the operator in masked time. The ring gear has a removable part to facilitate loading and unloading the carriers. The operator can proceed to a transfer of carriers by sliding them on a thin magnetic slab.

This device can be fitted with a ring gear or a pin ring permitting the use of carriers you would already have for similar applications.

Finally, a series of associated accessories has been developed by LAM PLAN for this machine. The FIXPAD® system associated with the FAS® will facilitate the shift of polishing pads. Moreover, LAM PLAN proposes its range of TOUCHLAM® discs, specially adapted to the superior and inferior plates of the machine.



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Double-side production for parts:
 \varnothing 5 to 30 mm



Technical data	M.M.2380
Plate Capacity	5 carriers track \varnothing 380 mm ext. / \varnothing 153 mm int.
Useful capacity	5 carriers \varnothing 125 mm
Superior plate rotational speed	0 to 160 rpm; Bidirectional rotation
Gearwheel rotational speed	0 to 80 rpm; Bidirectional rotation
Motors power (plates and gearwheel)	0.75 kW for each motor
Required energies	400 V-50 Hz three-phase + neutral. Compressed air 6 bars filtered 10 μ m
Dimensions W x H x D	960 x 2030 x 780 mm Working table height 1040 mm
Total power	2.5 kW
Noise level	<80 dB at 1 meter away
Weight	650 kg
Reference	10 23800 00