



M.M.9700

NEW

In order to respond to the most demanding specifications in terms of surface flatness and process repeatability, LAM PLAN has developed a new series of M.M.9000 machines, of which the M.M.9700 is the mid-range machine.

Fitted with a \varnothing 700 mm lapping plate, this machine has a new, highly intuitive touchscreen, enabling the user to quickly grasp the operation of the machine.

From a mechanical viewpoint, a large dimension thrust ball bearing is inserted under the machine's basic plate. This mechanism guarantees plate stability, even under a heavy load. This new concept also enables reduced demand on the gear motor group, assuring greater longevity of the equipment. Machine safety has also been improved with anti-pinch devices connected to the retaining arm castors of the conditioning rings.

Finally, the machine's new electrical design, allows easy development of machine functions and in response to your future needs, with, for example, later integration of the AUTOPLAN system, or different types of LAM PLAN distribution systems.

Therefore, this machine is intended for use in all high production workshops.



M.M. 9700

Intensive production for parts:
 \varnothing 5 to 210 mm

AUTOPLAN system: flatness reconditioning and grooving of the plate.



AUTOPLAN system enables to manage efficiently the flatness and the grooving of the plate. It is installable and removable in a few minutes thanks to fixation points integrated to the machine.



Technical data	M.M.9700 E version
Plate \varnothing	700 mm
Inner ring \varnothing	274 mm
Capacity per ring	1 part \varnothing 210 mm or 160 parts \varnothing 10 mm
Number of rings	3
Electric power supply	400 V - 50 Hz - 3 phases + earth + neutral
Motor Power	2.2 kW
Pressure application system	3 weights of 13 kg included
Control	Touch screen 5,7 inches
Plate rotation speed	From 30 to 90 rpm
Dimensions (W x H x D)	1500 x 1300 x 1450 mm
Weight (without plate)	800 kg
Abrasive distribution system	Included - See specific table
Reference	10 9700E 00

Options for M.M.9700 E

Level sensors for diamond liquid and lubricating fluid	08 90001 00
Flatness gauge for checking the flatness of the lapping plate	08 00894 00

LAPPING & POLISHING MACHINES

M.M.9700 S VERSION**NEW**

The M.M.9700 S version of the machine integrates a pneumatic pressure system which is controlled from the general interface.

Comprising three double effect cylinders and three ball mounted aluminium discs, this device negates handling weights. Loading and unloading times are optimised and handling effort is reduced.

Pressure can be adjusted between 0 and 700 N.



What changes	M.M.9700 S version
Pressure application system	3 double effect cylinders
Pressure	45 to 1000 N
Dimensions (W x H x D)	1500 x 1500 x 1900 mm
Weight (without plate)	1 000 kg
Reference	10 9700S 00

Options for M.M.9700 S

Level sensors for diamond liquid and lubricating fluid	08 90001 00
Refrigeration and heating unit P803, for lapping plate	10 80003 90
Flatness gauge for checking the flatness of the lapping plate	08 00894 00

EQUIPMENT

All M.M.9000 series machines are fitted with an integrated modem as standard in order to carry out remote maintenance operations.

They are compatible with dedicated LAM PLAN distribution systems and can be optionally fitted with an abrasive and lubricant level sensor.

Production data collection in the form of CSV files is possible via the USB interface.

M.M.9700 S HP VERSION (HIGH POWER)**NEW**

A machine specially developed to answer polishing needs in production of parts requiring high pressure, associated with high speed plate rotation and use of specific abrasives.

The pressure system and motorisation have been adapted to the specific requirements of heavy loads and high torque.

The use of stainless steel in the machine's production, is generalised to resist certain relatively aggressive abrasive types. The machine is equipped with protective casing around the work zone, to avoid high speed projection of abrasives. It is removable and motorised.

The M.M.9700 S HP can be fitted with distribution systems suited to the required abrasives, for example high flow peristaltic pumps.



What changes	M.M.9700 S HP version (high power)
Motor Power	7,5 kW
Pressure application system	3 double effect cylinders
Pressure	100 to 2500 N
Plate rotation speed	From 15 to 125 tr/mn
Dimensions (W x H x D)	1540 x 1200 x 1800 mm
Weight (without plate)	980 kg
Reference	10 9700SP 00

Options M.M.9700 S HP version

Refrigeration and heating unit P803, for lapping plate	10 80003 90
Flatness gauge for checking the flatness of the lapping plate	08 00894 00

