LILLIPUT 320 INSO

PROFESSIONAL END MILLING MACHINES



Horizontal end milling machine with electropneumatic feed. Milling of intermediate angles, +45° / 90° / -45°. High speed of tool rotation for improved quality machining on painted profiles and at intermediate angles. Quick cutter change with pneumatic control. Scratch-proof work table. Fully guarded and sound-damped work zone with high internal visibility. The manually operated sound-proof tunnel (L=1.100 mm) reduces the noise level emitted by the machine down to about 85 dB (only in mitre milling at 90°).

Emmegi S.p.A.
Via Archimede, 10
41019 - Limidi di Soliera (MO)
ITALY

Tel +39 059 895411
Fax +39 059 566286
P.Iva/C.Fisc 01978870366
info@emmegi.com
www.emmegi.com

The right to make technical alterations is reserved.



Swarf collection

A drawer located at the bottom of the machine allows the collection of swarfs generated during machining, facilitating cleaning operations.



Vice group and out-of-square

Both horizontal and vertical vices are pneumatically operated with a low-pressure device. Out-of-square is managed with the ability to vary the tilt from -45° to +45° with manual handling. The position is read by graduated scale.



Positive indexing stop

The manual 6-position positive indexing stop enables 6 measurements to be set so that the workpiece can be positioned quickly, thus reducing the time of the work cycle. It is also possible to manually adjust the height of the positive indexing stop.



Rapid pneumatic change

Changing the mill assembly is done pneumatically via the control located in the control panel. This allows the mill assembly housed in the machine to be varied and ensuring the machinability of different extrusions.



Tunnel soundproofing

The machinability and support of extrusions even of considerable lengths is guaranteed by the presence of the soundproof tunnel. Placed on the side of the machine, it performs the dual function of supporting the profile and performing the machining paying special attention to acoustic comfort with reduced environmental impact in the workshop.



Control

The push-button panel on the machine control panel allows the management of: air blowing for cleaning the vice table, startup with safety switch, quick tool change.

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CHARACTERISTICS	
Brake motor (kW)	1,5
Tool speed (rpm)	6.000
Travel (mm)	320
Vice capacity (mm)	200 x 120
Horizontal and vertical pneumatic vices with low pressure device	●
6-position positive indexing stop	●
Cutter holder sleeve (mm)	Ø = 27 / 32 x 160
Max mill (mm)	Ø = 180
Micro-mist lubrication system with water and oil emulsion	●
Preparation for smoke extraction connection	●
Base with mill holder magazine and swarf collection drawer	●
Profile support roller conveyor, length (mm)	500
Soundproof tunnel with top hatch and rear opening	●
Vice bench cleaning air blower	●
Compressed air gun for cleaning	●

Included ● Available ○

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