LILLIPUT 350 A INSO

PROFESSIONAL END MILLING MACHINES

Horizontal end milling machine with electropneumatic feed and automatic machining cycle. Milling of intermediate angles, +45° / 90° / -45°. Variable speed of tool rotation with electronic inverter for improved quality machining on painted profiles and at intermediate angles. Quick cutter change with pneumatic control. Scratch-proof work table. Fully guarded and sounddamped work zone. The automatically operated sound-damped tunnel (L=1.100 or 2.000 mm) reduces the noise level emitted by the machine down to about 75 dB (only in mitre milling at 90°). The self-tilting indexing stop cancels contact between the stop and the workpiece during feed forward.

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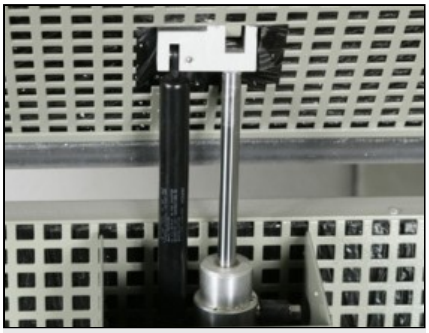
The right to make technical alterations is reserved.



Tunnel control cylinder

A pneumatic cylinder ensures the opening/closing of the upper door of the soundproof tunnel. The operator's two-hand consent, acting on the control buttons, enables its movement.

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.

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 with inverter

The push-button panel on the machine control panel provides control of the hydro-pneumatic feed of the cutter unit, air blowing for cleaning the vice table, startup with safety switch, and quick change of cutter unit. The inverters make it possible to vary the number of motor revolutions, which are shown on a digital display.

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CHARACTERISTICS	
Motor with inverter (kW)	2,2
Tool variable speed (rpm)	4.000 ÷ 7.000
Travel (mm)	350
Vice capacity (mm)	240 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 = 200
Tool speed LED display	●
Injection lubrication system	●
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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