

Lilliput 320 Inso

Automatic end milling machine



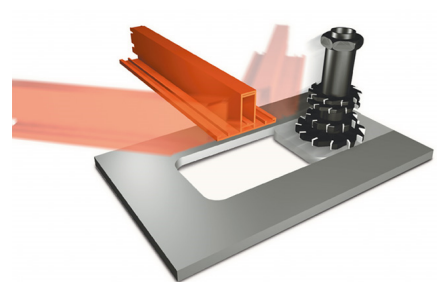
Sound-damped tunnel guard 01



Swarf drawer 02



Complementary technologies play an important part in the workshop as the product line consists of various instruments designed to cater for special requirements. The Emmegi range offers a broad spectrum of dedicated machines for all the various milling, drilling, end-milling and filing operations as well as profile positioning and stop gauges. Lilliput 320 Inso is a horizontal end milling machine with electropneumatic feed. Milling of intermediate angles, $+45^\circ / 90^\circ / -45^\circ$. High speed of tool rotation, 6000 rpm, for improved standard of machining on painted profiles and with intermediate angles. Quick tool change with pneumatic control. Scratch-proof work table. Work zone with full sound-damped guarding and high internal visibility. The manually-operated sound-damped tunnel guard L. 1100 mm, reduces the noise level emitted by the machine down to about 85 dB (only in mitre milling at 90°).



Control 03



Clamps and intermediate angles 04



Pneumatic quick tool change 05



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01

Sound-damped tunnel guard

The machinability and support of extruded profiles (including those of considerable length) is provided by the presence of a sound-damped tunnel guard installed at the side of machine. It performs a dual function: it supports the profile while it also allows the machining operations to be carried out with special attention to acoustic comfort, hence with lower environmental impact in the workshop. The opening rear door allows machining particularly long profiles.

02

Swarf drawer

A swarf drawer at the bottom of the machine allows collecting the swarf caused by machining, thus facilitating cleaning operations.

03

Control

The push buttons/switches on the machine control panel allow air blast for cleaning the clamp base, start-up with safety switch and quick tool change.

04

Clamps and intermediate angles

Both horizontal and vertical clamps are both operated pneumatically and with low pressure device. Intermediate angles are obtained thanks to the possibility of varying the angle of tilt from -45° to $+45^\circ$ with manual movement. The position is read on the metric rule or graduated scale.

05

Pneumatic quick tool change

Tool change is operated pneumatically via relative control on the control panel. This allows changing the set of cutters installed in the machine and therefore working of different extruded profiles.

TECHNICAL CHARACTERISTICS

Brake motor: 1.5 kW

Tool speed: 6000 rpm

Travel 300 mm

Clamp capacity: 200x120 H mm

Horizontal and vertical pneumatic clamps with low pressure device

6-position positive indexing depth stop

Cutter holder sleeve dia. 27/32x160 mm

Max. cutter dia. 180 mm

Spray-mist lubrication system with water and oil emulsion

Predisposition for fume exhauster connection

Base with tool magazine and swarf drawer

Profile support roller conveyor L=500 mm

Sound-damped tunnel guard with rear door

Air blast for cleaning clamp base

Compressed air gun for cleaning

Dimensions (mm)

1270 x 1020 x 1450

Weight (kg)

210