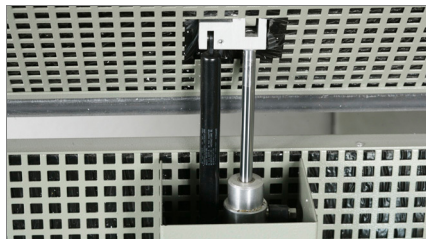


# Lilliput 350 A Inso

Automatic end milling machine



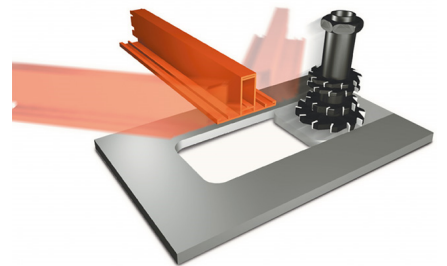
Cylinder powering tunnel guard 01



Swarf drawer 02



Horizontal end milling machine with electropneumatic feed, full guarding and automatic machining cycle. Milling of intermediate angles,  $+45^\circ / 90^\circ / -45^\circ$ . 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 sound-damped 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  $90^\circ$ ). The self-tilting indexing stop cancels contact between the stop and the workpiece during feed forward.



Control with Inverter 03

Clamps and intermediate angles 04

Positive indexing stop 05



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## 01 Cylinder powering tunnel guard

An air cylinder powers the opening/closing of the top door of the sound-damped tunnel guard. Its movement is commanded by the operator acting on the two-hand push button control.

## 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 with Inverter

The push buttons/switches on the machine control panel allow controlling the hydro-pneumatic cutter feed, air blast for cleaning the clamp base, start-up with safety switch and quick tool change. The presence of an inverter serves for varying the motor rpm which is displayed on the digital readout.

## 04 Clamps and intermediate angles

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

## 05 Positive indexing stop

The adjustable 6-position positive indexing stop is equipped with a device that ensures a rapid automatic movement away from the workpiece, to enable the necessary machining to be performed.

### TECHNICAL CHARACTERISTICS

Motor with inverter: (kW)	2,2
Variable tool speed: (giri/min.)	4000 ÷ 7000
Travel: (mm)	350
Clamp capacity: H (mm)	240x120
Horizontal and vertical pneumatic clamps with low pressure device	
6-position positive indexing depth stop	
Cutter holder sleeve $\varnothing$ (mm)	27 / 32 x 160
Max. cutter diameter: (mm)	200
LED tool speed readout	
Injection lubrication system	
Predisposition for fume exhauster connection	
Base with tool magazine and swarf drawer	
Profile support roller conveyor, L (mm)	500
Sound-damped tunnel guard with upper door (rear opening)	
Air blast for cleaning clamp base	
Compressed air gun for cleaning	