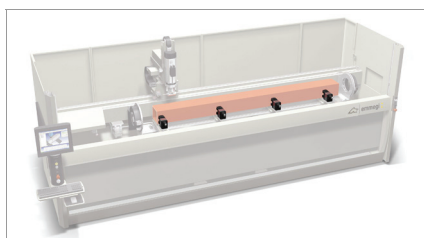


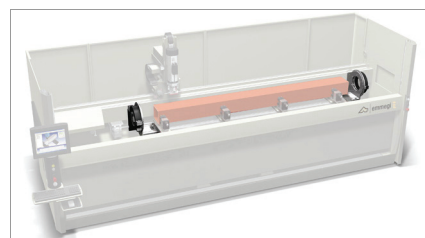
Phantomatic T3 Star

Machining centre



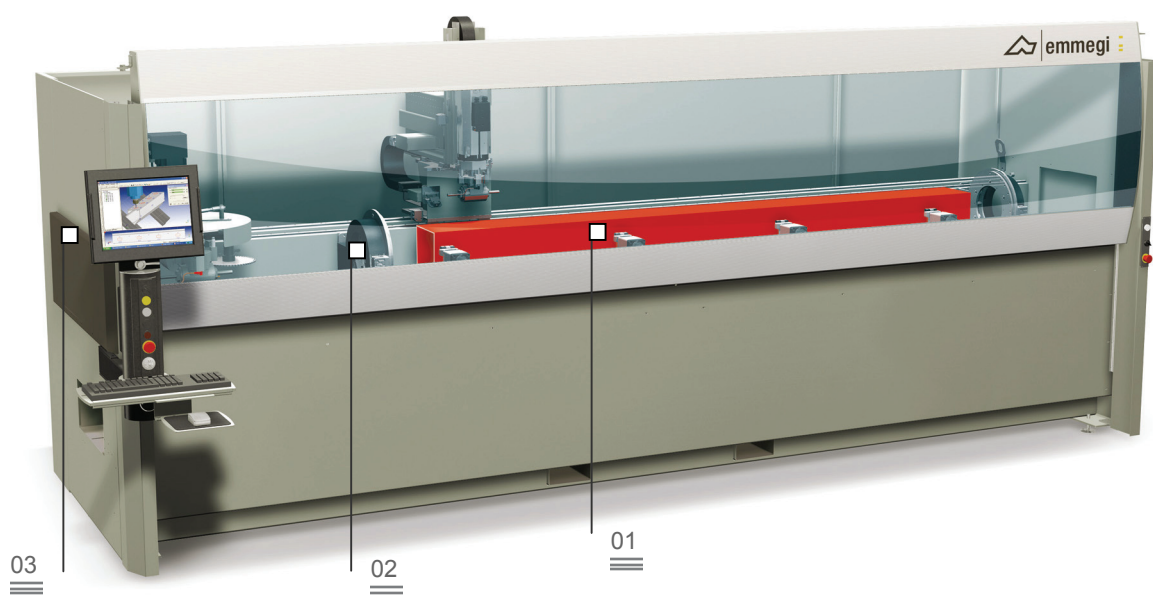
Vices

01

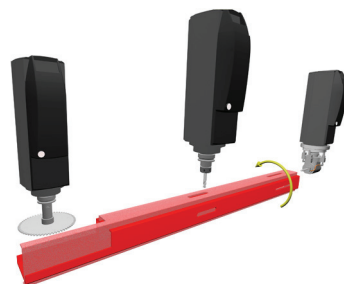


Swivel table

02



CNC machining centre with 4 controlled axes, designed for machining operations on bars or workpieces made of aluminium, PVC, light alloys in general or steel up to 3 mm. It is provided with a 4-place tool magazine, capable of containing 2 angle machining heads and a side milling cutter, for machining on the 5 faces of the workpiece. The presence of a continuously rotating work table (N/C axis) allows machining at any angle from 0° to 180° and on the two ends with the two-way angle machining head and with the table at 0°.

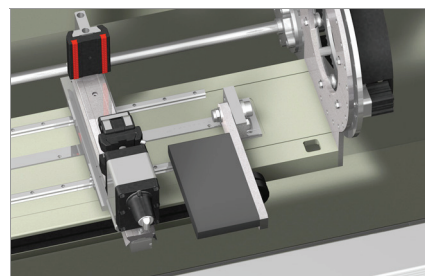
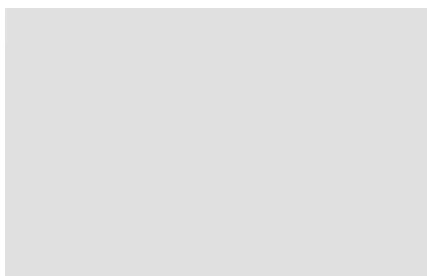


Operator interface

03

Pneumatic stops

04



Phantomatic T3 Star

Machining centre

01

Vices

The vice system is with automatic positioning along the X axis. This allows very easy position of each vice set when clamping on the profile. Indication of the position and checking for correct positioning are handled by the N/C which displays such information directly on the monitor.

02

Swivel table

N/C swivel table able to rotate in the range from 0° to -180° including intermediate angles. Such solution allows machining on steel, aluminium and PVC profiles at max. speed and with great accuracy, without having to turn the workpiece manually or use angle machining attachments, thus full use can be made of the electro-spindle power under any operating conditions.

03

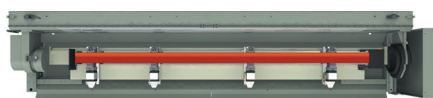
Operator interface

The new version of the control system, with pendant interface, allows the operator to view the monitor from any position, as it is can be pivoted about the vertical axis. The operator interface features a 15" touchscreen provided with all the necessary USB connections for remote interfacing with the PC and N/C. It is also provided with a control panel, mouse and keyboard. It also has provision for connection of a barcode reader and remote control panel. An easily accessible front USB socket replaces the floppy disk and CD-ROM drives.

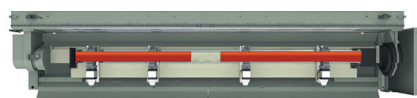
04

Pneumatic stops

The machine is provided with rugged stops serving as bar reference: one placed on the right side and the other on the left. Each stop, operated by an air cylinder, is of the drop-away type and is selected (depending on the machining operations to be carried out) by the machine software. The advantages of the double stop can be summed up as follows: it is possible to load two or more profiles for working in multi-piece mode; it is also possible to reposition the bar or section and perform machining operations on especially long profiles.



Single-piece mode



Multi-piece mode
max 2 workpieces

AXIS TRAVEL	
X AXIS (longitudinal)	4300
Y AXIS (cross)	270
Z AXIS (vertical)	300
A AXIS (automatic workpiece rotation)	0° + 180°
ELECTRO-SPINDLE	
Max. power rating (S1) (kW)	5,5
Max. power rating (S1) (kW) (optional)	7,5
Max. speed (rpm)	18000
Tool taper	HSK 63F
AUTOMATIC TOOL MAGAZINE ON BOARD SLIDE	
Max. number of tools in the tool magazine	4 standard 8 optional
Max. number of angle machining heads loadable in the tool magazine	2
Max. blade diameter loadable in the tool magazine (mm)	Ø 180
FUNCTIONS	
Multi-piece operation	
MACHINABLE FACES	
With straight tool (top face, side faces)	3
With angle machining head (ends)	2
With blade tool (top face, side faces and ends)	1 + 2 + 2
TAPPING CAPACITY (with tap on aluminium and through hole)	
With compensating chuck	M8
Rigid tapping (optional, only with 7.5 kW electro-spindle)	M10
WORKPIECE CLAMPING	
Standard number of vices	4
Max. number of vices	4
Automatic vice positioning through the X axis	