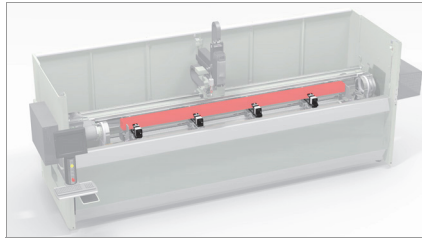


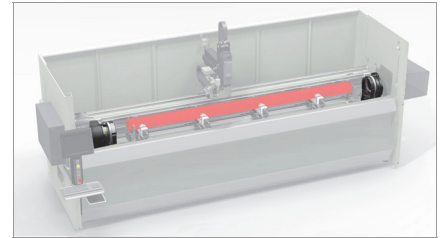
Phantomatic T3 S

Machining centre



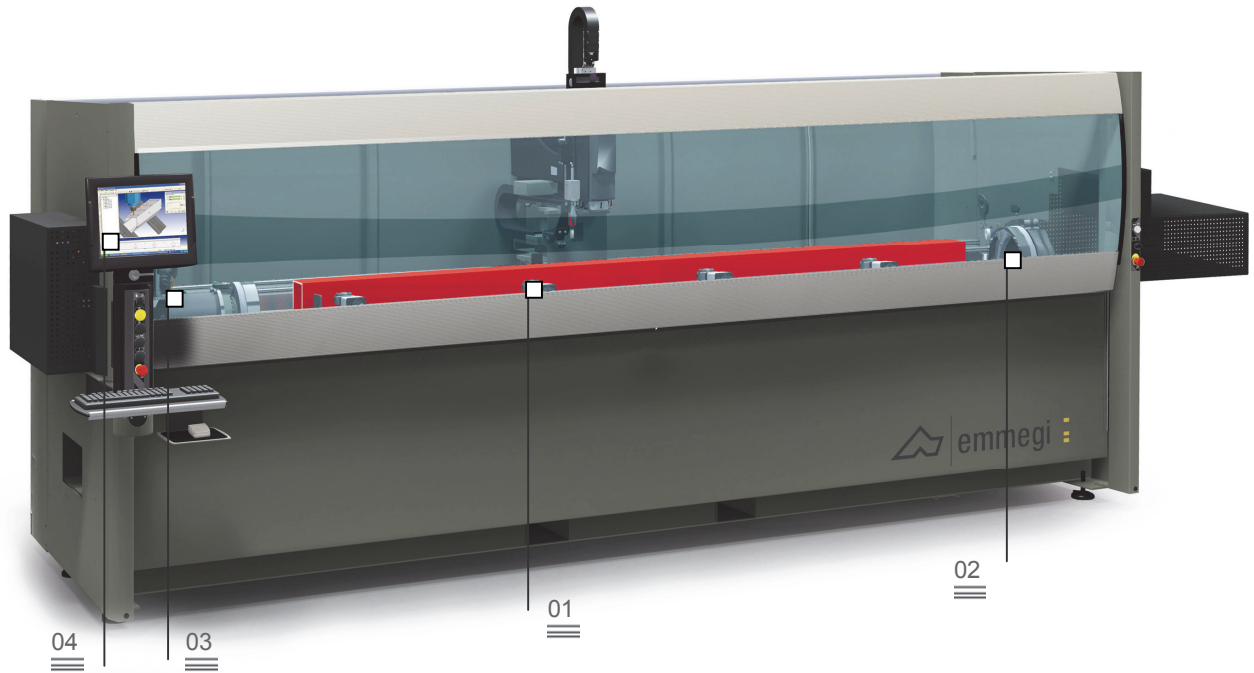
Vices

01

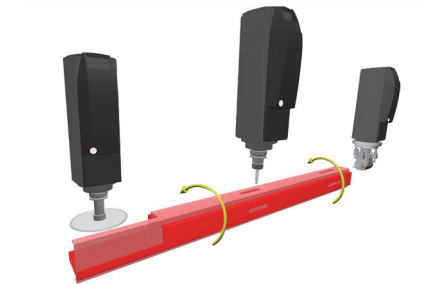


Swivel table

02



CNC machining centre with 3 or 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 can be configured with a 4- or 8-place tool magazine (optional), capable of containing 2 angle machining heads and a side milling cutter, for machining on the 5 faces of the workpiece. The standard work table allows rotation with three positions in steps of 90°. A continuously rotating work table (optional 4th N/C axis) allows machining at any angle from -90° to +90° and on the two ends with the two-way angle machining head and with the table at 0°.



Automatic tool magazine (optional)

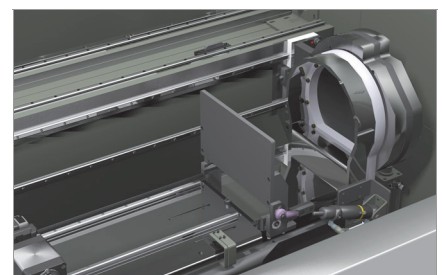
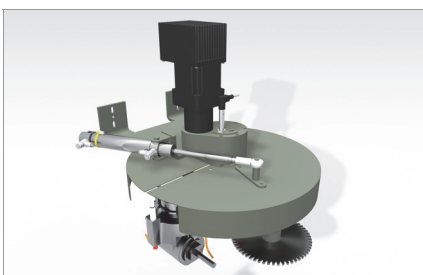
03

Operator interface

04

Pneumatic stops

05



The images are only given for illustrative purposes

Phantomatic T3 S

Machining centre

01

Vices

The vice system is with manual movement and allows very easy positioning of each vice set when clamping on the profile. The position is indicated by the CNC but is measured manually via a metric scale.

02

Swivel table

The N/C swivel table can be positioned at angles of -90° , 0° , $+90^\circ$. Continuous rotation can be implemented as an option. 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 heads, thus full use can be made of the electro-spindle power under any operating conditions.

03

Automatic tool magazine (optional)

Instead of the tool magazine on the operator interface for manual tool change, it is possible to install an automatic tool magazine. The metal guard ensures maximum protection of the tapers from both chips or accidental impact. The tool magazine is designed to hold up to 4 (8 on request) toolholders with respective tools which can be configured as required by the operator.

04

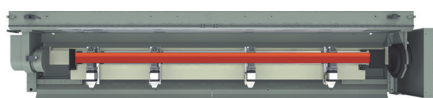
Operator interface

The new version of the control system, with pendant interface, allows the operator to view the monitor from any position, as it 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 predisposition for connection of a barcode reader and remote control panel. An easily accessible front USB socket replaces the floppy disk and CD-ROM drives.

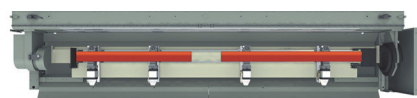
05

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) (mm)	4.300
Y AXIS (cross) (mm)	270
Z AXIS (vertical) (mm)	300
A AXIS (automatic workpiece rotation)	-90° + $+90^\circ$
A axis positioning (standard)	-90° , 0° , $+90^\circ$
A axis positioning (optional)	CN
ELECTRO-SPINDLE	
Max. power rating (S1) (standard) (kW)	5,5
Max. power rating (S1) (optional) (kW)	7,5
Max. speed (1/min)	20.000
Tool taper	HSK 63F
AUTOMATIC TOOL MAGAZINE (optional)	
Max. number of tools in the tool magazine	4 / 8
Max. number of angle machining heads loadable in the tool magazine	2
Max. blade diameter loadable in the tool magazine (mm)	$\varnothing = 180$
FUNCTIONS	
Multi-piece operation	○
MACHINABLE FACES	
With straight tool (top face, side faces)	3
With angle machining head (side faces, ends)	2 + 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
Manual vice positioning	●