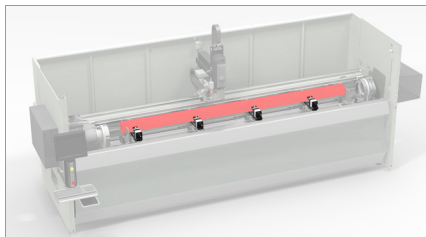




emmeggi

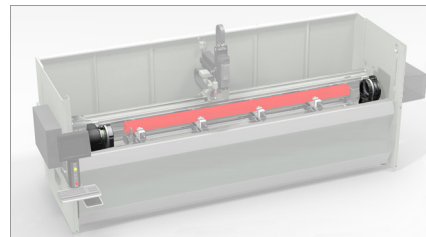
Aluminium
Steel
Pvc

en #1



Vices

01

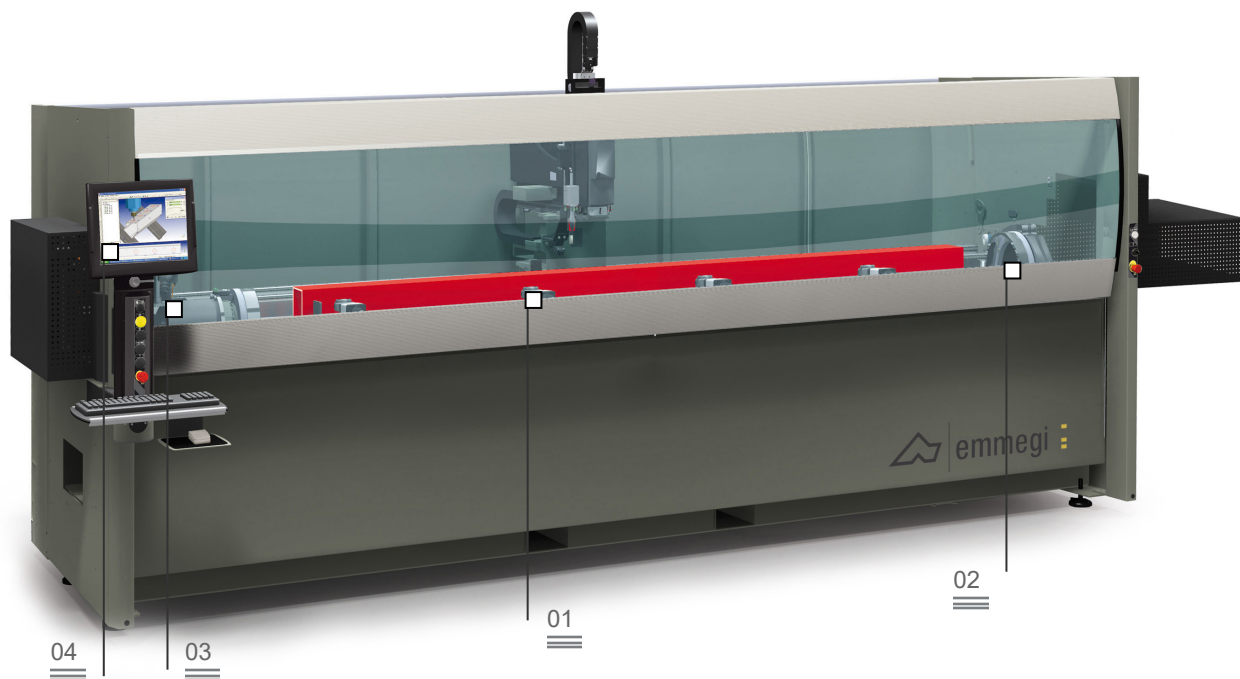


Swivel table

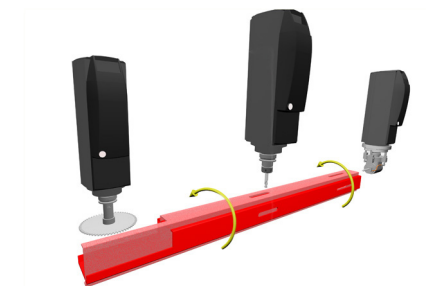
02

Phantomatic T3 S

Machining centre



Machining centre CNC with 3 or 4 controlled axes, used for the working of bar 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, 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

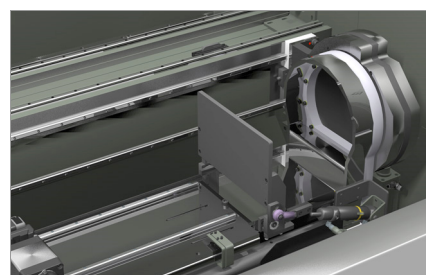
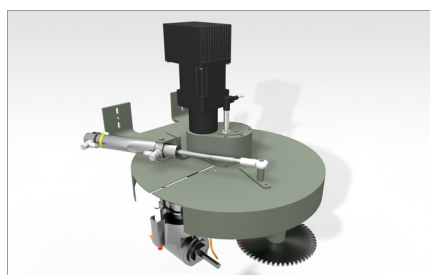
03

Operator interface

04

Pneumatic stops

05



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

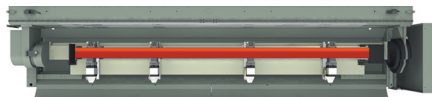
The new tool magazine of circular shape, is designed to take up less space. Not only does it allow positioning of very large extruded sections in the machine, it also allows very quick tool change. The metal protective cover offers maximum protection of the tool tapers against swarf and accidental collision. The tool magazine can hold up to 4 (8 on request) toolholders with their corresponding tools, which can be configured as required by the operator.

04 Operator interface

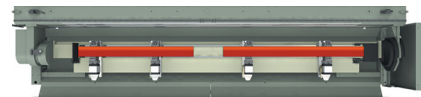
The new version of the control system, with pendant interface, allows the operator to view the monitor from any position, as it can be pivoted about the vertical axis. The operator interface features a 15" touchscreen provided with all the necessary USB connections for remote interfacing with the PC 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)	$-90^\circ \div +90^\circ$
A axis positioning (standard)	$-90^\circ, 0^\circ, +90^\circ$
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

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	○
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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

PROFILE POSITIONING

Piece reference left stop with pneumatic movement	●
Piece reference right stop with pneumatic movement	○

WORKPIECE CLAMPING

Standard number of vices	4
Max. number of vices	4
Manual vice positioning	●