Applications











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CNC machining centre

TMC 1500 / 3000



TMC 1500 / 3000

CNC machining centre of 5 interpolated axes and a total of 9. As standard the TMC is fitted with an automatic frontal hopper feed loader that delivers the blank between the headstock and tailstock where it is clamped. It is equipped with a saw blade head for producing a turned section of the component, a milling head for flat machining or stock removal and a sanding head.

In addition the TMC has an independent router head with a 10 position tool changer. This can be used for additional drilling, milling and shaping operations. Thanks to the sanding facility it is possible to produce a completely finished component that requires no further work or handling. Once the final machining or sanding operation is complete, the component is ejected on to a transfer exit belt.

On request the TMC can be fitted with an additional table which can have either a pneumatic or mechanical clamping system. This table can be used in addition to the between centres machining. Obviously, this gives the capability to produce even a greater variety of components by just using the CNC router head.

Unique:
Turning, milling, drilling and sanding in one set-up

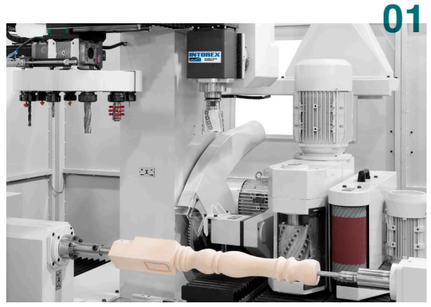
TMC-1500 is capable of producing either turned or shaped furniture and joinery parts. Components such newel posts, stair spindles (with modern contemporary design), chair, table and sofa legs among others can all be produced on this machine.

Production 30% more efficient and more flexible with the fully machining process of turning, milling, drilling and sanding in one set-up.



Equipment

01



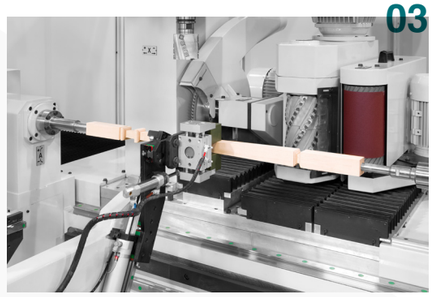
Standard machine (turning, shaping and sanding units) with rotary tool changer of 10 positions.

02



Fully automatic frontal hopper feed loader capable to load pieces of square section of 150x150 mm and 1500 mm long.

03



Special pneumatic steady of two supports (upper and lower) to avoid the vibration of long and thin parts when machining.

04



TMC-3000: Wooden column of 2.5 meters mechanized and sanded between centres.

Technical specifications

Max. length to be machined	1500 / 3000 mm
Max. diameter to be machined	300 mm
Automatic feeding up to	Sq.150 mm
Manual feeding up to	Sq. 210 mm
Total axes	9 / 10
Axes stroke X axis Y, Z axis U, V, W, P axis A axis B axis	 2100 / 3900 mm 460 mm 360 mm ∞ 90º
Headstock (A axis) Rotation speed	22,2 kW 0 - 1.500 rpm
Turning head (U axis) Rotation speed	11 kW 1.000 - 4.500 rpm
Shaping head (V axis) Rotation speed	11 kW 1.000 - 5.000 rpm
Sanding head flat (W axis) Interchangeable Rotation speed	2,2 kW 3.000 rpm
Sanding head turned (W axis) Interchangeable Rotation speed	0,5 kW 3.000 rpm
Electro spindle (B axis) Rotation speed	12 kW 22.000 rpm
Sanding head turned (P axis) Optional Rotation Speed	0,5 kW 3.000 rpm
Type of tool holders	HSK F63
Type of tool changer	Rotary (10 positions)
Total power installed	70 kW
Weight of the machine	4.700 / 6.000 kg
Dimensions	5200x4200x3400 mm 6800x5000x3400 mm

INTOREX reserves the right to modify the technical features of its products without prior notice

