

Applications



CNC machining centres

TK 1000



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TK 1000

Machining centre TK-1000 of 4 CNC interpolated axes.

The machine is equipped with a feeding unit for working in automatic cycle. It has a turning head, a shaping (milling) head, a sanding head for flat parts, and also two router head motors -horizontal and vertical- which can be tilted in two adjustable positions.

On request the TK-1000 can be fitted with an additional sanding unit for the turned parts. Obviously this gives the capability to produce even a greater variety of components by finishing either turned and shaped components.

In addition, it can also be equipped with a transversal conveyer belt to eject the finished components.



High flexibility with great performance

It is the ideal solution for the production of small and large batches of furniture components such as chair, table and sofa legs as well as newel posts and stair spindles for modern contemporary design.

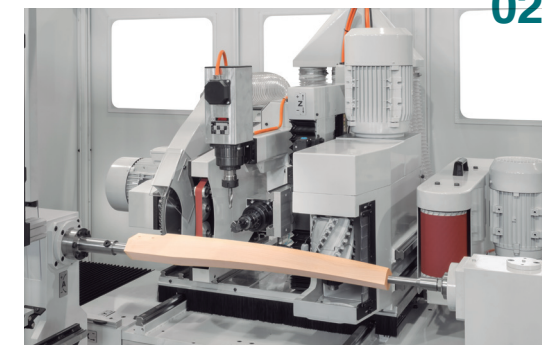
The main advantages TK-1000 is offering:

- Highest flexibility thanks of all different machining and sanding units.
- Quick and easy set up, ideal for small batches production.
- Manpower savings thanks of all different operations can be done on the same machine.
- Space saving thanks of its compact design.

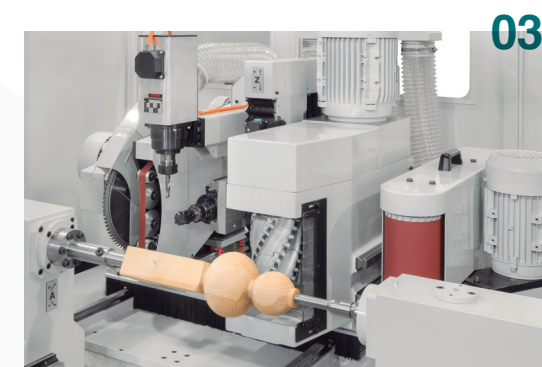
Equipment



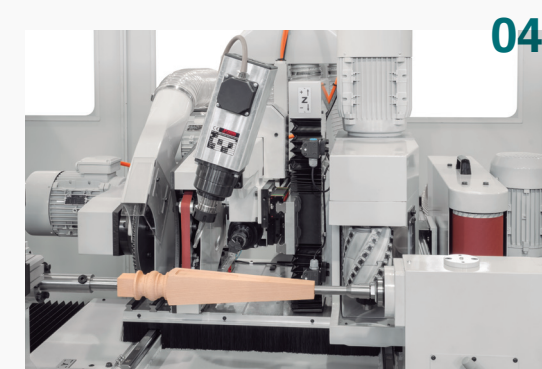
Standard machine: Frontal hopper feed loader, horizontal router head, vertical (tilt) router head, shaping head, turning and flat sanding unit. Optional: Sanding unit for turned parts



Detail of machining a table leg using the shaping head and sanded by the flat sanding unit.



Detail of machining a turned table leg using the turnery saw blade and sanded by the narrow sanding belt unit.



Detail of machining a table leg with the tilted vertical router head.

Technical specifications

Max. length to be mechanized	1000 mm
Max. diameter to be mechanized	230 mm
Automatic feeding up to	Sq.100 mm
Total axes	4
Headstock (A axis) Rotation speed	12.8 Kw 0 - 1500 rpm
Saw blade (turned) (Y axis, Y5 unit) Tool rotation speed	7.5 Kw 1.000 - 5.000 rpm
OPTIONAL	
Sanding head (turned) (Y axis, Y6 u.) Tool rotation speed	0.5 Kw 3.000 rpm
Vertical router head (Y axis , Y1 unit) Belt rotation speed	3.3 Kw 18.000 rpm
Horizontal router head (Y axis, Y2 unit) Tool rotation speed	5.6 KW 18.000 rpm
Shaping head (Y axis, Y3 unit) Tool rotation speed up to	7.5 Kw 6.500 rpm
Sanding head (flat) (Y axis, Y4 unit) Tool rotation speed	2.2 Kw 3.000 rpm
Total power installed	50 Kw
Weight of the machine	3450 Kg
Dimensions	4450x3200x2150(h) mm

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

