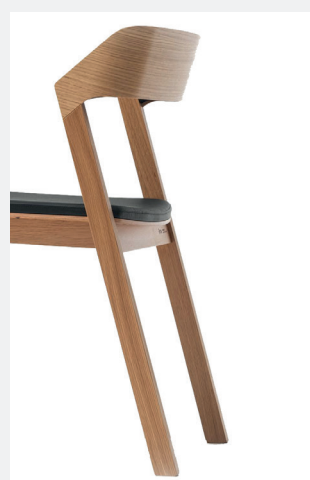
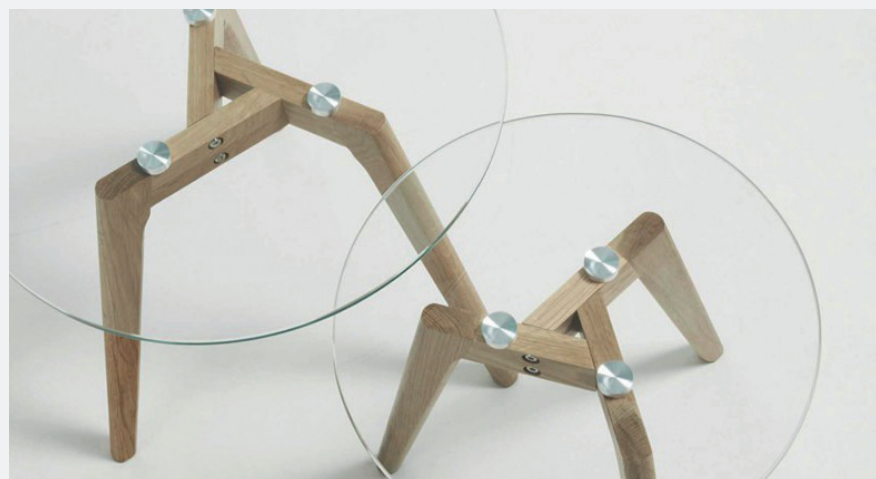


Applications



CNC machining centres

TKC 1500
TKC 1500 AS

INTOREX
woodworking
machinery

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INTOREX
woodworking
machinery



TKC 1500 / 1500 AS

CNC machining centre of 5 interpolated axes and a total of 6. As standard the TKC is fitted with an automatic frontal hopper feed loader, 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.

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 onto a transfer exit belt. In addition, the TKC has an independent router head with a 8 position tool changer (rotary type). This can be used for additional drilling, milling and shaping operations.

On request the TKC can be fitted with an additional sanding unit for the turned parts as well as an extra turning unit with "V" gouge. Obviously this gives the capability to produce even a greater variety of components by finishing either turned and shaped components.

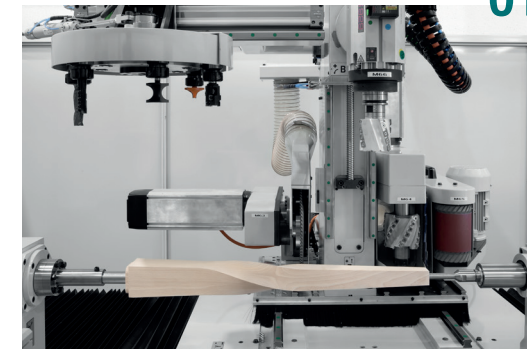
Experience and Innovation

TKC-1500 AS - CNC machining centre with the same technical specifications as the TKC-1500 but supplied with a CAD-CAM package, kinematics, simulation and post processor to produce asymmetric parts.

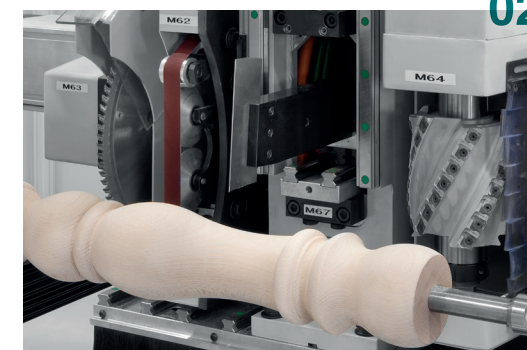
Both machines can produce either turned or shaped furniture and joinery parts. Components such as newel posts, stair spindles (with modern contemporary design), chair, table and sofa legs among others can all be produced on both machines.

Production 30% more efficient and more flexible with the fully machining process of turning, milling, drilling and sanding a large variety of components in one clamping operation.

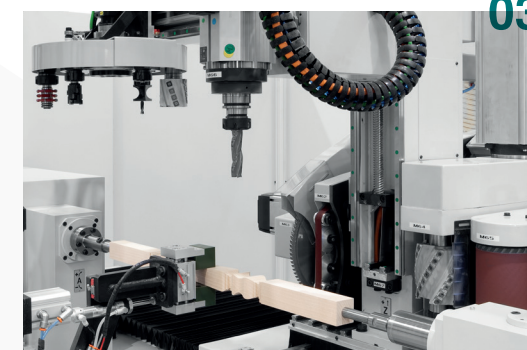
Equipment



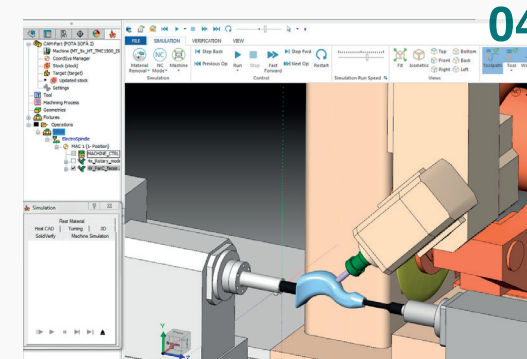
Standard machine (turning, shaping and sanding units) with rotary tool changer of 8 positions.



Optional equipment: Narrow sanding belt unit to sand turned profiles (Y axis, Y5 unit) which allows to completely finish the piece.



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



TKC-1500 AS: Simulation screen machining an asymmetric leg by means of the electro spindle

Technical specifications

Max. Length to be mechanized	1500 mm
Max. diameter to be mechanized	230 mm
Automatic feeding up to	Sq. 120 mm
Manual feeding up to	Sq. 160 mm
Total axes	6
Axes stroke	
X axis	2400 mm
Y axis	350 mm
Z axis	650 mm
A axis	∞
B axis	90°
Headstock (A axis)	15,8 KW
Rotation speed	0 - 1.500 rpm
Turning head (Y axis, Y2 unit)	9 KW
Rotation speed	1.000 - 4.500 rpm
Shaping head (Y axis, Y3 unit)	9 KW
Rotation speed	1.000 - 5.000 rpm
Sanding head flat (Y axis, Y4 unit)	2,2KW
Rotation speed	3.000 rpm
Sanding head turned (Y axis, Y5 unit)	0,5 KW
Optional Rotation speed	3.000 rpm
Electro spindle (B axis)	7,5 KW
Rotation speed	22.000 rpm
Tool holders	
Type	HSK F63
Type of tool changer	Rotary (8 positions)
Total power installed	45 kw
Weight of the machine	4.500 kg
Dimensions	5300x3800x3000(h) mm

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

