

## Applications



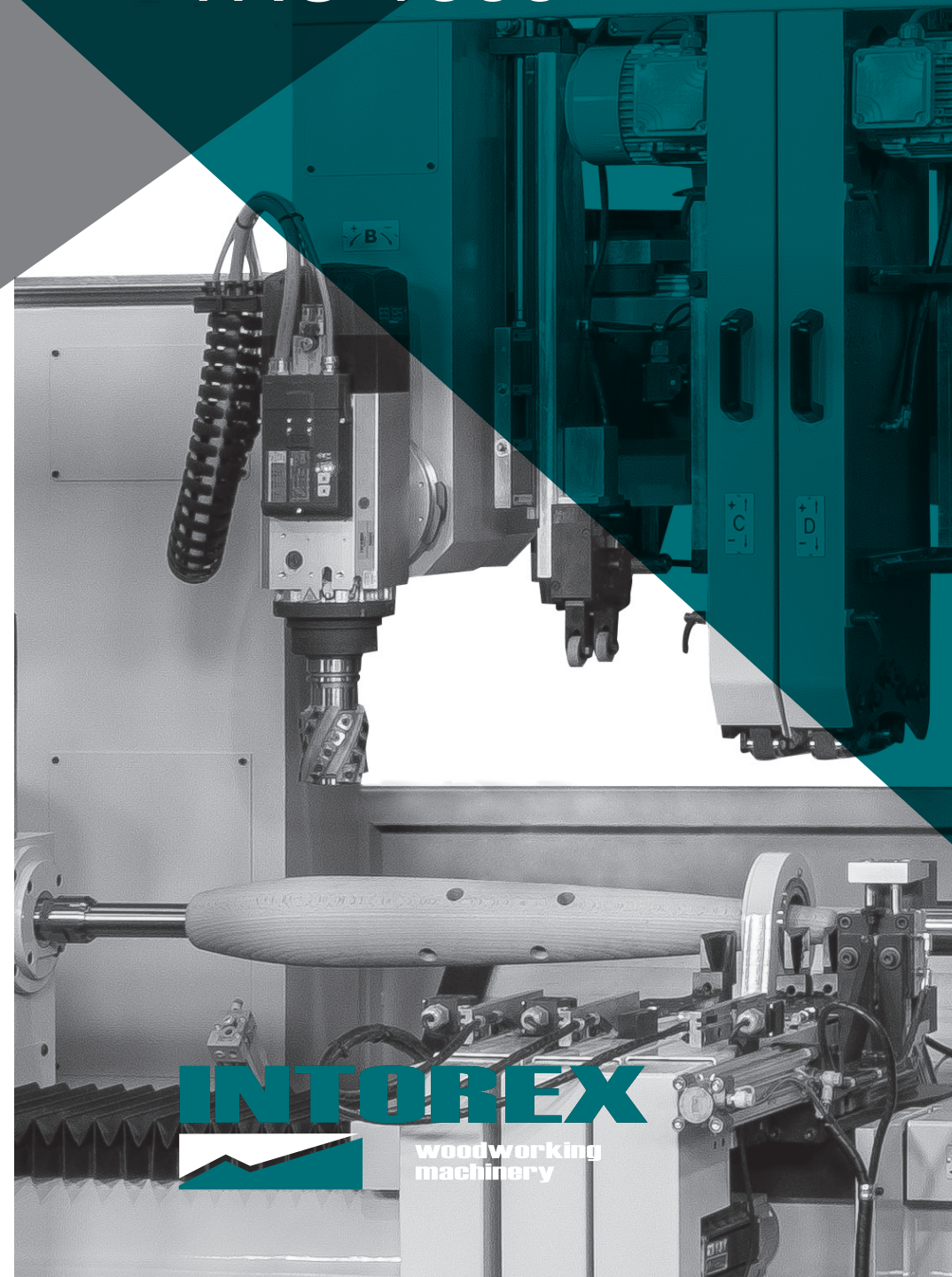
# CNC machining centres

TRO 1300

**INTOREX**  
woodworking  
machinery

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# TRO-1300

TRO-1300, is a 12 axes CNC wood lathe machining and sanding center capable to generate turnings with the speed and accuracy of knife cutting yet enhanced by a multi-axis sanding and milling system like no other.

As standard the TRO is fitted with an automatic hopper feed loader that delivers the blank between the headstock and tailstock where it is clamped.

It is equipped with three CNC copiers for turning and two CNC copiers for sanding turned parts.

60% more output thanks of efficient process integration of turning, sanding and drilling in one set up.

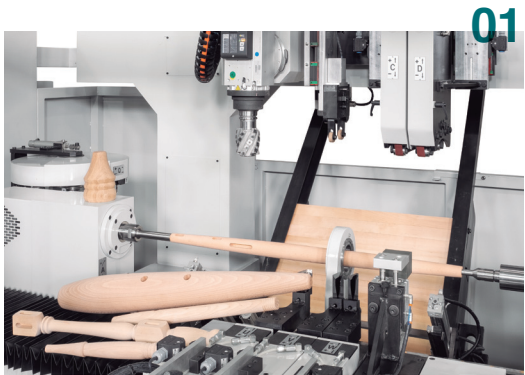
In additional the TRO has an independent router head with an 8 tool changer. This can be used for additional drilling, milling and shaping operations.

## Integrated turn-mill-sand centre at highest level of accuracy and efficiency.

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 completed, the component is ejected onto a transfer exit belt.

Components such a chair, table and sofa legs, newel posts, stair spindles (with modern contemporary design) can all be produced on this machine

## Equipment



Standard machine with two CNC turning copiers, two CNC sanding copiers and a rotary tool changer of 8 positions.



Two CNC copiers for sanding working simultaneously with the turning process.



Electro-spindle with the rotary tool changer of 8 positions.



Fully automatic rear hopper feed loader capable to load pieces of sq. section 100 mm and 1300 mm long.

## Technical specifications

Max. length to be mechanized	1300 mm
Automatic feeding up to	Sq.100 mm
Total axes	12
<b>Axes stroke</b>	
A axis	∞
B axis	+/- 90°
C axis	250 mm
D axis	250 mm
P axis	1800 mm
Q axis	360 °
U axis	150 mm
V axis	150 mm
W axis	150 mm
X axis	2400 rpm
Y axis	450 mm
Z axis	320 mm
<b>Headstock (A axis)</b>	22 kW
Rotation speed	0 - 5000 rpm
<b>Sanding head (C - D axes)</b>	1 kW
Rotation speed	3000 rpm
<b>Rotary head (B axis)</b>	7.5 kW
Rotation speed	22000 rpm
<b>Tool holders</b>	
Type	HSK F63
Type of tool changer	Rotary (8 positions)
<b>Total power installed</b>	40 kW
<b>Weight of the machine</b>	5250 kg
<b>Dimensions</b>	5300x3650x2860(h) mm

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