

CNC rotary lathe

CRM-100

Applications



INTOREX
woodworking
machinery

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CRM-100. It is a multi-spindle lathe of 8 CNC axes for turning and sanding wooden components up to 300 mm long and a maximum square section of 100x100. It has 6 stations with a CNC rotary drum.

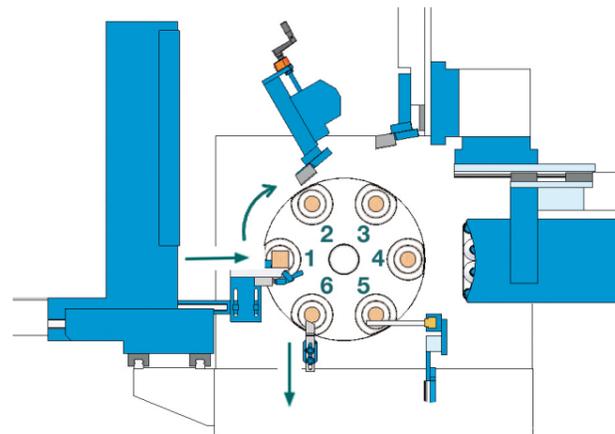
It is the ideal solution for the production of small and large batches of wooden elements such as sofa legs, paint brushes, pepper mills and tool handles.

Tangible advantage for you:

- 80% quicker setting up time.
- Higher flexibility.
- Better efficiency. (NO need to use anymore form tools for each model).

On request, the machine can be fitted with:

- Pre-roughing unit with a copy tool adjustable at two different positions to work in two passes.
- Robot (**ROBOTECSB**) for loading and unloading the components.



Working stations (6)

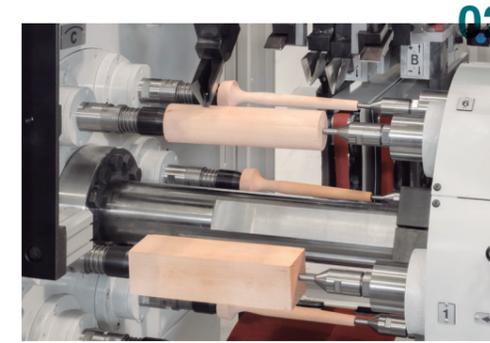
- 1 Start the cycle, and load the piece automatically.
- 2 Pre-roughing unit moved through a CNC digital servo motor and by means of a precision ball screw
- 3 Roughing and finishing copiers (A-X) assembled on a precision linear guides and moved through a CNC digital servo motor by means of a precision ball screw.
- 4 Two narrow sanding belts copiers (B-W) assembled on a precision linear guides and moved through a CNC digital servo motor by means of a precision ball screw.
- 5 Final sanding of the component with adjustable oscillating brushes with cut cloth abrasive.
- 6 End of the cycle, stop the rotation of the piece by means of a brake and unload it automatically.



Equipment



Standard machine: Frontal hopper feed loader, one CNC roughing unit, two CNC copiers (roughing and finishing), two sanding copiers and one sanding unit with oscillating brushes with cut cloth abrasive. Detail of machining a sofa leg.



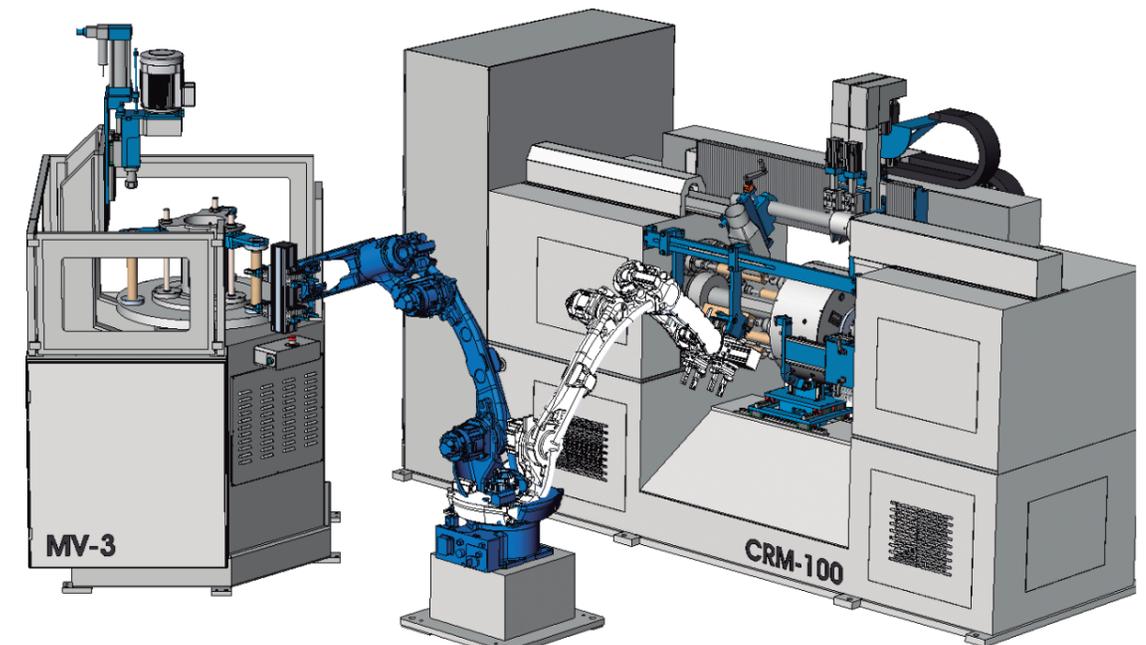
Detail of turning a paint brush with a single pass thanks of having two stations for turning the component

Technical specifications

Max. length to be mechanized	300 mm
Min. length to be mechanized	40 mm
Max. diameter to be mechanized	Ø 100 mm
Automatic feeding up to	Sq. 100 mm
Total CNC axes	8
C axis - Headstocks Spindles Drum	
U axis - Pre-roughing unit	
Z - A - X axes (Z) Carriage (A-X) Tool copiers	
V - B - W axes (V) Carriage (B-W) Sanding copiers	
Servomotor for rotation drum	
- Gearbox Input	15 Amp
Continuous Stall Torque	15.7 Nm
Peak Torque	47.1 Nm
- Gearbox Output	890 Nm
Multi-spindles motor (headstock)	11 Kw - 27 Amp
Rotation speed	Up to 4.000 rpm
Sanding belt units	2 x 0.55 Kw
Rotation speed	2.740 rpm
Sanding brushes	1 (programmable multiple sanding cycles)
Total power installed	25 kw - 45 Amp
Weight of the machine	3.500 Kg
Dimensions	3600x3100x2150(h)mm
Production capacity up to	900 pieces/hour

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

ROBOTECSB - Robot for loading and unloading the components. In addition, it can be linked to a second machine for further operations such as drilling, milling and other operations required.



ROBOTECSB