

CNC5003



MORETENS

CNC5003



- Industrial machine – that also fits the craftsman
- Combined machine – can be equipped for a variety of operations
- Can be operated from three sides
- Industrial Control Systems, non-PC based
- Digital servos with high resolution for higher efficiency and less vibration
- Interface for PC and CAM software. Server built-in to the controller
- Movable control panel on wheels
- Bridge design for better stability
- Dual-motor (2 servo motors) on the bridge for maximum efficiency
- Combined vacuum table for both boards and solid wood. Can be used in four ways:
 - Directly on the table with rubber sealings
 - On the table with an intermediate sheet of MDF. The vacuum goes through the sheet.
 - With vacuum gear directly on the grid table (vacuum in the table is used)
 - With vacuum gear on an intermediate disc (vacuum comes from separate tubes)
- Can be customized
- Large variety of accessories
- Can be equipped with integrated material handling
- Milling-turning equipment on tables are available. For complex parts such as rifle butts, rococo legs, columns, etc
- Also available in 4-axis and five-axle design

CNC5003 is an industrial machine that also fits the craftsman. The machine is specifically designed for wood, boards, plastic and aluminum.

The craftsman demands a machine with easy operation and maintenance. Industry requires a machine that is stable with efficient construction, precision and as well can be customized to meet specific needs.

Programming

The control system is programmed with G-code (ISO code). The machine is also ready for CAM systems.

Vacuum Table

The table is a combination table for all kinds of details and materials. Grid table for board material.

Combined vacuum table for both boards and solid wood. Can be used in four ways:

Directly on the table with rubber sealings

On the table with an intermediate sheet of MDF. The vacuum goes through the sheet.

With vacuum gear directly on the grid table (uses the vacuum in the table)

With vacuum gear on an intermediate disc (vacuum comes from separate tubes)

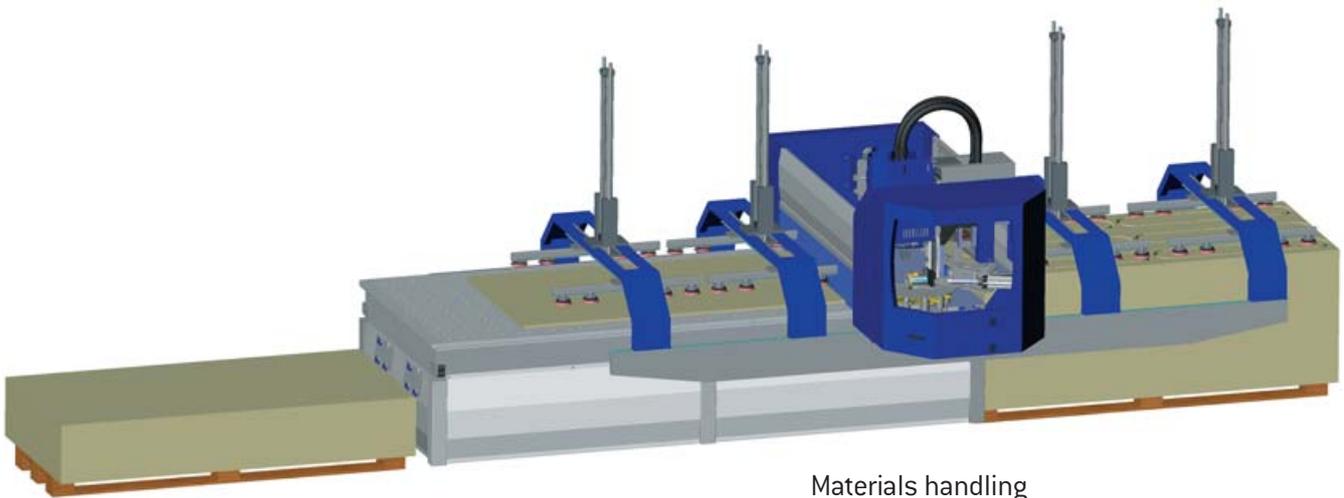
The table is organized in eight main segments where each segment is manually operated. In each segment there are eight vacuum points (total 64 points). Use vacuum only where needed.

Spindle Motor

Spindle motor is selectable between type, size, and quantity.

Standard spindle motor

Our standard spindle motor is equipped with tool change with taper HSK63. Spindle is controlled steplessly with a drive and has a speed between 300 to 24,000 rpm. Spindle motor has ceramic bearings.



Materials handling

Industrial manufacturing efficiency is enhanced with an integrated automatic materials handling system.

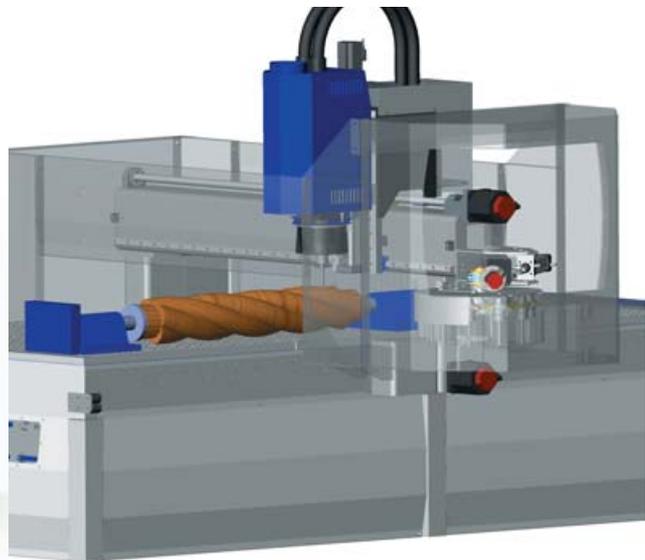


Vacuum pads



Multi drilling box

Angle unit (90 degrees) for saw blade, drill or router bit



Milling-turning equipment

Accessories, optional

Machining Spindles

The machine can be equipped with a number of spindle motors, both vertical and horizontal.

4-axis control

Fourth axis controlled and programmable 0-360 degree. C-axis, as an example, controlling the angle unit.

Milling-turning with 4-axis

You place the workpiece as in a wood turner and positions the lathe spindle. For complex parts as rifle butts, rococo legs, columns, etc.

CAM software

We offer a variety of CAM software for your system.

Vacuum gear

Vacuum gear available in several versions.

Angle Units

Angle unit for sawing, milling, drilling, etc. with horizontal spindle.

Drill head

There are eleven different drill heads to choose from with 7 to 25 spindles. Each spindle is separately controlled.

Laser

Laser to help to place the material. From simple cross lasers to advanced laser projectors that shows a picture of the part to be manufactured.

Material Handling

In industrial production, the efficiency is increased further with an integrated material handling equipment. We equip the machine with a modular system that adapts to your needs.

Machine Protection

Protection around the machine: gates, light curtains, etc.

Aluminum Table

Aluminium table to use fixtures that screw into the table. Perfect for use with aluminum.

Innovative woodworking machinery



Construction of a machine at our factory.

MOReTENS have been manufacturing woodworking machinery in Sweden for over 25 years.



MOReTENS' Swedish manufacturing plant.

All the Moretens range is produced to the highest quality standards.



CNC 5000 at major european convention in Paris



CNC 8000

CNC8000 is a further example of what we can do. The machine performs 6-axis machining of structural timber. Capable also of conical details. Has built-in materials handling. Machines suitable for, among others, timber and beam manufacturers.

Technical data

	Option	Standard	Option	Option
Operating Area				
X-axis, length	2 500 mm	3 080 mm	5080 mm	8000 mm
Y-axis, lateral	1 250 mm	1 540 mm	2 050 mm	spéciale
Z-axis, height		200 mm	400 mm	600 mm
Speed				
X-axis		60 m/min		
Y-axis		20 m/min		
Z-axis		15 m/min		
Spindle motor with tool changing				
Output		8 kW	12 kW	
Taper		HSK63		
Max speed	ISO30	24 000 v/m		
Tool change, rotation, included in the portal		number 10 pcs		
Vacuum pump, power		4,0 kW	5,5 kW	
Vacuum pump, flow rate		126 m³/tim	250 m ³ /tim	
Negative pressure, maximum		0,9 bar		
Frame size (footprint)				
Total length		1550 x 3950		
Overall length		4 050 mm		
Overall width		2 700 mm		
Overall height		2 200 mm		
Weight		approx 3 000 kg		



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Made in Sweden