

**CNC5000**



**MORETENS**

# CNC5000



- Industrial controller
- Digital servo amplifier for increased efficiency and less vibrations
- Connection for PC and ready for CAM software
- Bridge design for better stability
- The bridge is driven on both sides for increased speed
- Vacuum pads can freely be placed on the table
- We offer custom designs

## The CNC 5000

The CNC5000 machine is a new generation of CNC machine to fit in most workshops for the small joinery shop to the larger industrial units.

The CNC 5000 can be used on wood, plastic, and aluminium making it versatile for many industries. Because of the way the CNC5000 has been designed it can be customised very easily to accommodate the customer's requirements not only in size but in tool capacity and program capability at a very reasonable cost.

The programming of the CNC5000 is with standard G-code and complies with ISO 6983, this will allow most cad-cam software packages to be used in 2D and 3D.

The software and hardware for the control system is supported by a large multi national company with offices in the UK. The machine has a built in USB (Universal Serial bus) plug which allows it to be connected to the internet where a computer can interrogate the machine from any remote location.

## Working Tables

### Vacuum table for boards

The table is built in eight sections, every section is controlled by a valve in every section there are eight vacuum nozzles (total of sixty four) which are sealed with the work piece and

rubber sealing strips in the grooved table. This allows for either one large sheet to be held down or several smaller irregular shaped pieces to be held down.

### Vacuum pads for vacuum table

Combine the vacuum table with special vacuum pads for better edge (side) machining.

### Table for vacuum pads

This is a plain table to allow various sizes and shapes of vacuum pads to be used to support the work pieces. The pads can be connected with two hoses, one for the bottom to lock to the table and one for the top to hold down the work pieces, and you can add stoppers as required. The machine can connect thirty pads and stoppers as standard. For repeat work the pads and stoppers can be pinned to the table for easy positioning.

The tables are manufactured from MDF sitting on a steel frame table, and when the MDF needs replacing the machine can cut its own tables.

## Spindle Motor

There is a choice between size, type and number but as standard a motor is fitted with tool change to fit either ISO:30 or HSK:63 collets. The spindle is driven by a frequency inverter with a speed range of 300-18000 rpm (With option of 300-24000 rpm)



Vacuum Pads



Drill box



Angle Units

## Accessories

CAM software

Vacuum pads for vacuum table

Vacuum pads for plain table

Angle Units for saw blade drill or router bit

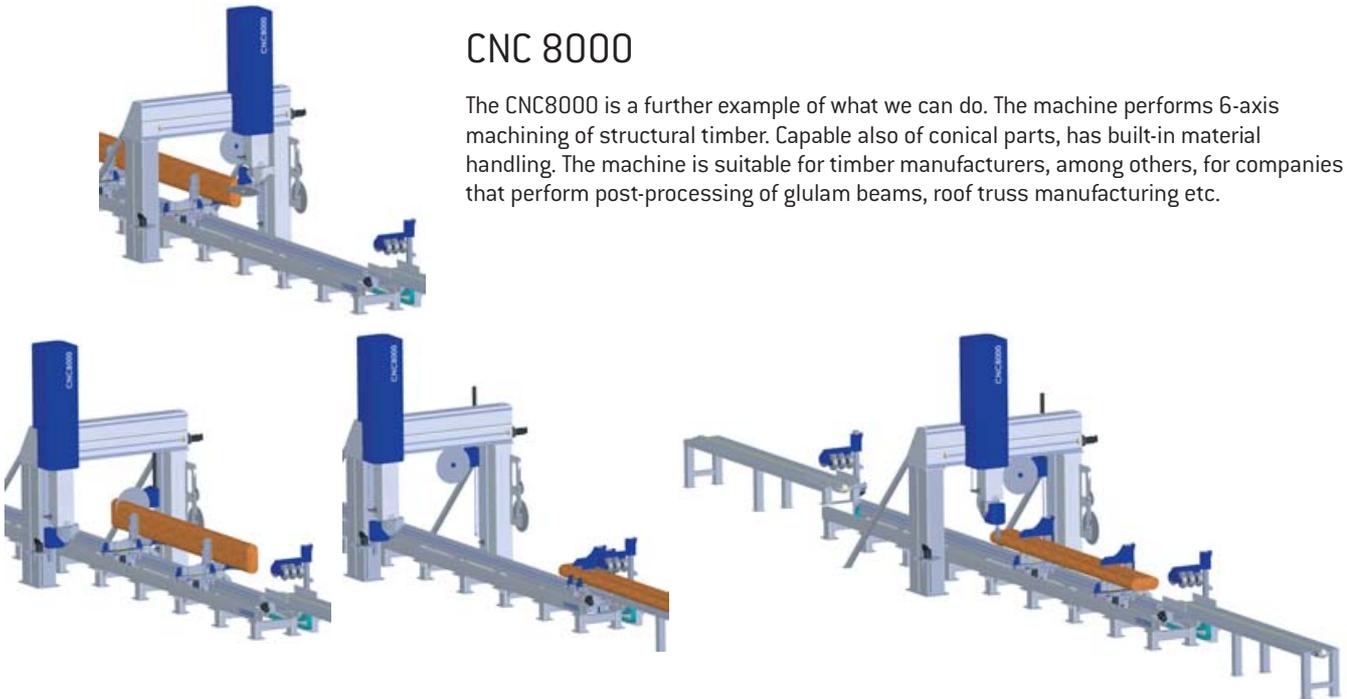
Spindle motors

CNC-aggregate

Tool shift rotation

## CNC 8000

The CNC8000 is a further example of what we can do. The machine performs 6-axis machining of structural timber. Capable also of conical parts, has built-in material handling. The machine is suitable for timber manufacturers, among others, for companies that perform post-processing of glulam beams, roof truss manufacturing etc.



CNC 5000 at major european convention in Paris

## Technical data

<b>Working area</b>	<b>Standard</b>
X-axis, longitudinal	<b>2500 mm</b>
Y-axis, lateral	<b>1300 mm</b>
Z-axis, height	<b>200 mm</b>
<b>Speed</b>	
X-axis	<b>60 m/min</b>
Y-axis	<b>20 m/min</b>
X-axis	<b>15 m/min</b>
<b>Spindle motor</b>	
Power	<b>6 KW</b>
Cone	<b>ISO30</b>
Max speed	<b>18,000 RPM</b>
Tool change, rotating carousel	<b>10 tools</b>

<b>Vacuum pump</b>	
Vacuum pump, power	<b>3.6 KW</b>
Vacuum pump, capacity	<b>50-250 m<sup>3</sup>/h</b>
Maximum vacuum	<b>0.9 bar</b>

<b>Dimensions &amp; weight</b>	
Frame size (footprint)	<b>1300 x 3400 mm</b>
Total length	<b>3600 mm</b>
Total width	<b>2400 mm</b>
Total height	<b>2200 mm</b>
Weight	<b>approx 3000 Kg</b>

## Unique woodworking machinery



MORETENS manufacturing unit in Östersund, Sweden. Here all our machines are manufactured to the highest standards of quality



MORETENS has been producing woodworking machinery for over 25 years. The innovative design shaped by the needs of our customers has allowed us to produce cost effective solutions and unique benefits.

[www.moretens.com](http://www.moretens.com)

Made in Sweden

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