

CNC MACHINING CENTRES

WWW

FOR SHEETS METALS
MACHINING

GIOMATO

COMI

SAFETY & PRODUCTIVITY



GIOTTO:

The new technology frontier of CMS (protected by international patents) combines all characteristics of safety, productivity and precision of the most sophisticated and complete CNC machining centres available today on the market.

The innovative and compact design reduces overall dimensions to the essential; the machine may be placed anywhere.

Its user friendliness makes it easy for anyone to use.

GIOTTO: SAFETY & PRODUCTIVITY

TECHNICAL DATA

Axes strokes - Quick advancement speed:

• X	3.900 mm - 75.000 mm/min
• Y	1.600 mm - 60.000 mm/min
• Z	200 mm - 15.000 mm/min

Working area

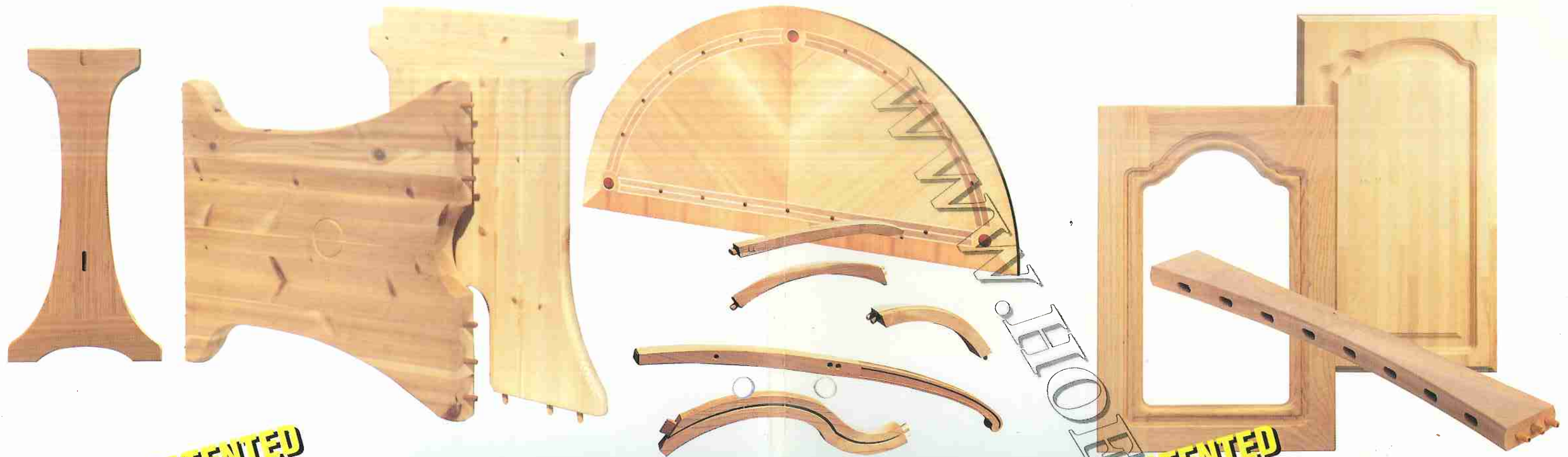
- 2 tables
- With modular suction cross-bars
- Suction plates
- Useful load area: 3,200 x 1,260 mm.
- Useful height for workpiece passing 160 mm (130 mm in mobile modules configuration)
- Selector for synchronized operation of the 2 tables

Operating unit

- Operating head with tool changer ATC (*Automatic Tool Changer*)
- Power: 8 kW a 18,000 rpm
- Tool crib with 8 stations
- Connections: ISO 30
- Drilling units with independent spindles with 13 or 24 outlets
- Horizontal electrospindle of 2.9 kW at 18,000 rpm

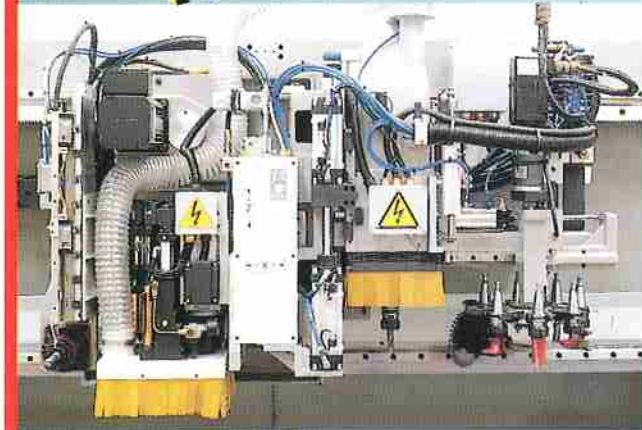
Auxiliary equipment

- Numerical control Allen Bradley 10/310 (complete with programming software WOODCAD)
- Control panel with 14" color screen, placed on mobile truck
- Air-conditioning system
- System for dynamic control of tool
- Voltmeter
- 2 vacuum pumps; dry type, for 100 m³/h throughput
- Static frequency converter, for 11 kW, speed range 1,000 - 18,000 rpm



PATENTED

PATENTED



OPERATING UNITS

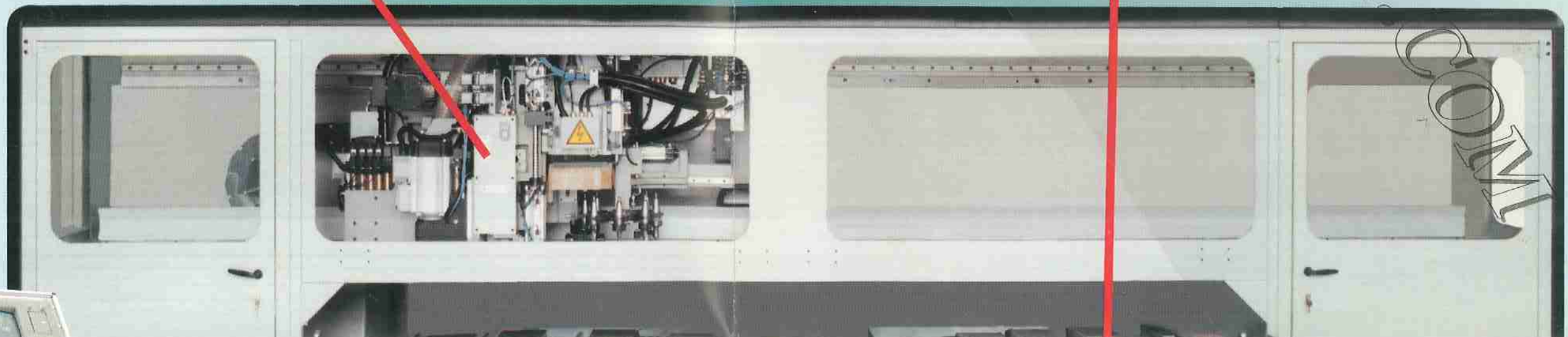
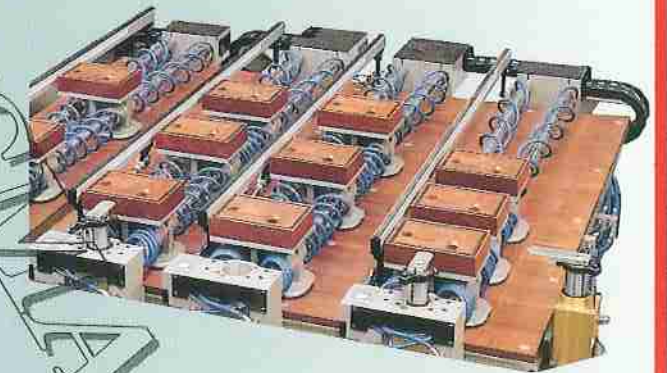
Working Unit "ATC" (PATENTED)
+ Drilling Unit.

"ATC" head concentrated in just one unit:

- * 8 Kw Electros spindle with an 8 place tool crib on board to change tools rapidly where you wish, in the best position for working, when you wish, even while the machine is performing drilling operations.
- * floating device for all of the tools in the crib.
- * index device for positioning angular transmissions from 0 degrees to 90 degrees.
- * concentric dust collection at the tools, three position dust hood height.
- * 360 degree CNC controlled orientation of angular transmissions.

WORK TABLE

- modular traverse work supports with vacuum (PATENTED)
- * incomparable rigidity, working solid wood won't "blow out".
- * easy passage and movement of work without marking the work.



MUNICH PATENTED



PATENTED

NUMERICAL CONTROL

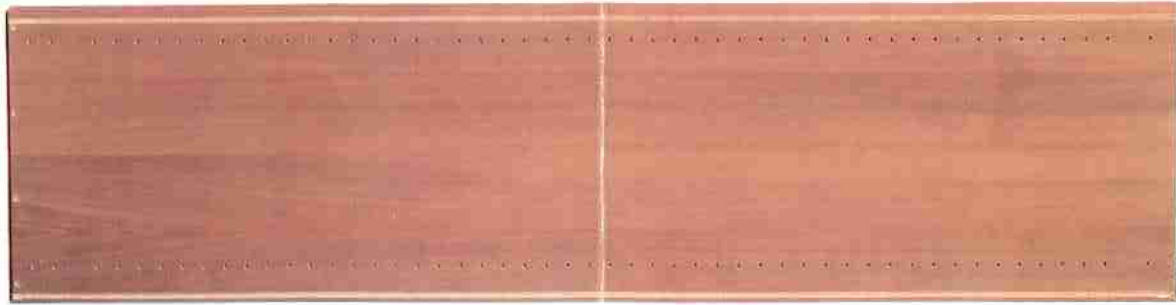


The AB control type 10/310 has a PC portion in which the programming software "WOOD CAD" is available. This solution offers the advantages of a numerical control's calculating power (simultaneous interpolation of up to 4 axes) and a PC's ease of use, and programming by a resident software, along with a huge memory capacity.

MONOBLOCK CONSTRUCTION WITH INTEGRATED SAFETY HOUSING



A safety housing covers all the moving parts (working unit and working tables), protects the operator from being bumped, crushed, hit flying parts, or dust and reduces the noise level. The automatic opening of the front doors makes loading and unloading of the tables easy. All the components of the machine, including the electrical cabinet, vacuum pumps and the internal dust collection apparatus (with external one point connection ready to connect to your system) have been well thought out and are located on board the machine itself.



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