The ideal solution for batch 1 machining. This compact and fast numerical control drilling centre allows for drilling on 5 sides of the panel, blade cutting and routing, thanks to two heads with independent Y axis, that operate contemporaneously on the same panel.

STATE OF THE ART TECHNOLOGY
in less than 10 square metres.

DRILLING ACCURACY
during machining the new RO.AX technology (Rotoaxial spindle technology), with the highest performing spindle on the market, featuring rotation speeds up to 8000 RPM.

HIGH PRODUCTIVITY LEVELS
machining cycles of up to 600 pieces/shift and no operator intervention required to re-tool the machine between machining batches.
morbidelli cx200

precise and powerful drilling performance

An increase in productivity of up to 60% in drilling the structure and in drilling the fitting with the 2 ultra-stiff machining, with independent Y axes, for a total of 24 vertical and 11 horizontal spindles. The integrated blade along X can be used for machining slots and grooves.

Low maintenance: only after over 1000 hours of operation, thanks to the use of spindles with RO.AX technology (Rotoaxial spindle technology).

Unparalleled drilling quality: with rotation speed adjustment up to 8000 RPM and with specific pressers.

Highly precise and fast movement: all the machining units are driven by brushless motors and slide on rack and pinion systems along the X-Y axis and on recirculating ball screw along axis Z.
Flexible: the 6-position tool changer ensures that all the tools necessary to complete all the machining operations of the piece of furniture are available.

Highly functional and reliable: the 6.6 kW electrospindle with HSK63-F taper and rotation speed up to 24,000 RPM, is the ideal solution for local routing operations on various types of panels. Positioned on the upper head it can be used for blind and through routing.

Ergonomic: the lateral supports allow operators to comfortably load and unload panels up to 3050 mm.
Elimination of dead times: the barcode reader scans the label associated to the panel to automatically load the machining program.

Maximum productivity: the transport system with 2 independent clamps can handle panels up to 95 mm thick and 1300 mm height, at a speed of 70 m/min.

Highly versatile: the programmable reference stop allows the machining of pieces with dowels already inserted or with routing already executed.
Maximum productivity: no operator intervention required on the work table to re-tool the machine between machining batches.

Possibility of executing local routing along the whole panel:
- machining with the blade along the whole dimension X of the panel
- shavings of the four edges of the panel
- machining of panels up to H 1300mm
- machining of panels with delicate surfaces
- Toe-Kick machinings

Programs can be executed with the right and left reference or with mixed reference with the rear sensor.

No panel loading errors with the congruence sensor Y, that checks that the size of the panel loaded matches the size programmed.
MAESTRO
UNIQUE CREATIVITY

CAD/CAM programming software to design every production process
Developed in the Windows® environment it makes programming extremely easy with an advanced sketching environment which is easy to use and intuitive. It provides users with all the tools needed to design components and their layout on the work table, manage the tools and the relative machining operations in a fully integrated and high performance context.

MAESTRO CABINET
UNIQUE FURNITURE DESIGN

Includes an extensive library of the most popular furniture models and a simple wizard that will guide the user in programming and customising the model based on their requirements.

The application has been designed specifically for the home and office furniture sector, to design furniture and for the step-by-step programming of cabinets.

Tool Manager
The tools can be selected directly and simply with an easy to understand graphic representation.
Maestro APPS is a library of programming functions which are available at a touch and very simple to use. Developed by the SCM, they are designed to create components, furniture, etc. Users will have free access to SCM technical know-how with a simple click.

MACRO: The fastest
The programs can be quickly converted in macro-machining operations and archived in a library for future use.

TECHNOLOGY: Learning from experience
Fast programming of common recurring machining operations and generation of sub-programs that can be applied to each new geometry.

The 19" touchscreen monitor lets users easily manage all the machine's functions. The ethernet connection can be used to connect the machine to the company's network.
**morbidelli cx200**

state of the art technology in a small package

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**NO SPACE ISSUES, STATE OF THE ART TECHNOLOGY IN ONLY 10 SQUARE METRES**

Just one operator can manage the machine in continuous cycle without breaks. The machine can be integrated with an automatic machined pieced return system.

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**MORBIDELLI CX200**

**technical data**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel length</td>
<td>mm 200 - 3050</td>
</tr>
<tr>
<td>Panel width</td>
<td>mm 50 - 1300</td>
</tr>
<tr>
<td>Panel thickness</td>
<td>mm 8 - 95</td>
</tr>
<tr>
<td>Vertical spindles</td>
<td>n. 24</td>
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<tr>
<td>Horizontal spindle in X</td>
<td>n. 8</td>
</tr>
<tr>
<td>Horizontal spindle in Y</td>
<td>n. 3</td>
</tr>
<tr>
<td>Blade diameter in X</td>
<td>mm 125</td>
</tr>
<tr>
<td>Electrospindle power (optional)</td>
<td>kW 6.6</td>
</tr>
<tr>
<td>Electrospindle max speed (optional)</td>
<td>rpm 24000</td>
</tr>
<tr>
<td>Tools magazine (optional)</td>
<td>positions 6</td>
</tr>
</tbody>
</table>

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**SAV\$ENERGY**

**REDUCED CONSUMPTIONS = REDUCED COSTS**

Sav\$Energy uses **power only when required**, by operating the devices only when strictly necessary. The machine automatically switches to stand-by when there are no panels to machine. Yearly saving of up to 10% (opt.).
THE STRONGEST WOOD TECHNOLOGIES ARE IN OUR DNA

SCM. A HERITAGE OF SKILLS IN A UNIQUE BRAND
Over 65 years of success gives SCM the centre stage in woodworking technology. This heritage results from bringing together the best know-how in machining and systems for wood-based manufacturing. SCM is present all over the world, brought to you by the widest distribution network in the industry.

65 years history
3 main production sites in Italy
300,000 square metres of production space
17,000 machines manufactured per year
90% export
20 foreign branches
350 agents and dealers
500 support technicians
500 registered patents

In SCM’s DNA also strength and solidity of a great Group. The SCM Group is a world leader, manufacturing industrial equipment and components for machining the widest range of materials.

SCM GROUP, A HIGHLY SKILLED TEAM EXPERT IN INDUSTRIAL MACHINES AND COMPONENTS

INDUSTRIAL MACHINERY
Stand-alone machines, integrated systems and services dedicated to processing a wide range of materials.

INDUSTRIAL COMPONENTS
Technological components for the Group’s machines and systems, for those of third-parties and the machinery industry.

Woodworking Technologies
Technologies for processing composite materials, aluminium, plastic, glass, stone, metal.

NITECO
SPINDLES AND TECHNICAL COMPONENTS

SCM
ELECTRIC PANELS

CMS
METALWORK

HYTECH
CAST IRON

The technical data can vary according to the requested machine composition. In this catalogue, machines are shown with options. The company reserves the right to modify technical specifications without prior notice; the modifications do not influence the safety foreseen by the CE Norms.