

# SCM to bring frontline wood innovation to WoodTech 2024

*Tüyap İstanbul Fair and Congress Center  
October 12-16, 2024  
Hall 3, Booth 313*

SCM, global leading producer of secondary woodworking machinery, confirms its participation in the next issue of **WoodTech Woodworking Machinery Fair**.

Attendees will find out a diversified proposal of cutting-edge technologies conceived for Turkish market and for every specific production requirement.

The SCM's **Smart&Human Innovation** concept will take centre stage: the solutions on display have been designed for highly customised, interconnected and sustainable production, with a common objective: making the processes more efficient, simplifying control and keeping down costs, consumption and waste.

Also in evidence the latest **software and digital systems** designed to accompany the client at each stage of the production process.

The cutting-edge **digital services** powered by the IoT **Maestro connect** platform, now available in an innovative mobile version, will be on display. This platform ensures seamless information exchange between machines and the cloud, enabling SCM to deliver swift solutions and tailored advice to customers. Maestro connect empowers operators to enhance autonomy and streamline maintenance and troubleshooting tasks with ease.

Additionally, a fully operational version of SCM's **Digital Control Room** will be presented. This demonstration will highlight how data is processed to provide **proactive and advisory assistance**. This state-of-the-art technology is designed to preemptively identify and address potential disruptions before they escalate into costly downtime.

## SCM TECHNOLOGIES IN THE SPOTLIGHT

### **CNC machining centres for routing and drilling: morbidelli m100**

Highly modular 5-axis CNC machining centre that provides answers to all the problems associated with woodworking.

Unmatched finishing is possible thanks to the **JQX (Just Quality eXtreme)** 5-axis direct-driven spindle head which ensures the total absence of vibrations even with huge material removal at high speed and with the high-performance drilling heads with **RO.AX (Rotoaxial spindle technology) spindles** and rotation speed up to 8000 rpm.

Other advantages are provided by **TV FLEX**, the manual positioning table that is able to grant the best flexibility: rails and pods position quotes are visualized on TECPAD remote control display according to the program loaded; no limits manual positioning of rails, pods and clamps; aided positioning through measuring tapes both on frame (for rails) and rails (for pods and clamps); tubeless design.

Software is another main feature: just a few clicks to design and manufacture pieces of any shape, the machine is run by the **Suite Maestro** which has specific modules for every production cycle.

### **Nesting: morbidelli x200**

The ideal solution for flexible “batch 1” production as it permits nesting machining of pieces that are even shaped, and in a variety of sizes, with a **cutting speed of up to 50 m/min** and unprecedented productivity levels for this technology.

All the machining work is done without removing the spoil panel, even in 3D thanks to the **X-POD** suction cups. This dramatically reduces the machine's set-up times.

Another advantage is its **maximum precision**: even the smallest pieces can be blocked during machining thanks to the **X-Vacuum system** which activates a dynamic vacuum concentrated on the worktable zone where machining is ongoing.

Outstanding performance and maximum configuration combine with a considerable increase in flexibility and productivity.

### **Drilling: morbidelli cx210**

Absolute quality and superior precision, combined with unbeatable productivity and ease of use. These are the strengths of morbidelli cx210 cnc drilling centre, ideal solution for batch-1 machining.

The compact **drilling heads**, with their design, allow to achieve high levels of performance and efficiency.

The **worktable** guarantees perfect drilling of delicate surfaces with superior finishing results; the **profiling hold-down grippers** allow to machine panels even on the inside of the gripper area, while cutting down cycle times and optimising workpiece changes.

Other significant innovations are the innovative **panel return systems with automatic unloading** and the possibility of having **customised spindles** for customised machining.

### **Beam saw: gabbiani gt 2**

The advanced solution with comprehensive standard equipment that provides the best price-performance ratio.

Speed, precision, flexibility and productivity are the hallmarks of **gabbiani gt 2**. Designed to guarantee high performance in an evolved industrial context of just-in-time production. It can also arrange devices for cutting panels in plastic, acrylic and synthetic materials.

One of the main strengths is “**Hi-Tronic vertical stroke**” that ensures maximum productivity, excellent finish and cutting precision even at high speed.

The machine performances are also boosted with the **Saw-set** optional device, reducing tooling up and adjustment time, and increasing the operator safety.

The new optimization software **Maestro optiwise** optimizes the position and orientation of the workpieces to be produced in order to reduce material waste.

### **Edgebanding: stefani range for industry**

**stefani kd** is the ideal edgebander for working different types of panels even with delicate surfaces thanks to the **upper belt presser**.

The **SGP glue pot**, fitted as standard, with the special anti-adherent plasma treatment, allows the **use of two different types of glue, EVA and PUR** for perfect edgebanding quality.

The **working speed of up to 20 m/min** and the processing of two different radii with automatic set up of the working units performed with NC controlled axes make stefani kd the ideal edgebander for companies that need to produce panels in large quantities and with extreme quality.

**stefani md**: the **SGP glue pot**, supplied as standard, guarantees a **perfect joint line** thanks to the special spreading roller and a perfect dosage of the glue and also allows the **use of EVA and PUR glues** with a fast and simple glue changeover.

Thanks to the **working speed of up to 25 m/min** and the possibility of **processing more radii**, stefani md is ideal for the industry that needs to continuously produce numerous different types of panels.

### **Sanding: dmc system tm**

Also, on display at Woodtech is the dmc system tm 1350, a configuration dedicated to the furniture industry and third parties requiring sanding machines and systems for high-quality sanding **able to machine in high-productivity lines**. This calibrating-sanding machine is used to create excellent finishes on both RAW and painted panels. A distinctive plus comes from the **extractable internal crossbelt unit** designed to **achieve superior quality finishes** and **to facilitate belt changing operations** to switch from one process to another thanks to the extractable unit. Thanks to the control panel eye-M evo, it is possible to manage all working parameters and to control production data due to dedicated reports and charts. Furthermore, the machine is equipped with Maestro connect, platform that collect data from machine in real time and create analysis on the machine working status that can be used to increase machine productivity as well as reduce operating and maintenance costs.

### **Solid wood: superset nt**

WoodTech visitors will also be able to discover the many advantages of **superset nt**, the ideal throughfeed moulder to carry out a wide variety of products: profiles for windows, doors, stairs, beads, frames and furnishings.

The machine structure has been designed to enable the operator to work in **ergonomic and safe conditions**: special supports allow to hang the dust collection covers directly on the base, the sector for the right fence is adjustable by using a pneumatic selector and millimeter lines simplify the manual positioning of the machining units.

**High flexibility** with the possibility to process work-pieces with extremely variable dimensions, minimum section 25x6 mm and maximum section 240x200 mm.

It can be managed manually or automatically with a fully electronic configuration; up to 10 compositions, with one or two right spindles, one or two upper spindles, increased axial strokes, high profiling depth and HSK technology.

### **Joinery machines**

Also on show the most representative SCM joinery machines, world leader for top of the range, unique performance and continuous innovation: **class m 3** multiblade rip saw, **nova si 400** circular saw, **nova s 520 nova** thicknessing planer, **nova f 520** surface planer, **nova ti 105** moulder, **e 20** edge bander, and **formula s 740p** band saw.

However, if it is true that the technology remains the heart of SCM's experience, the software and services are increasingly the guarantor element of a continuous and shared relationship with the client.