

SCM's latest Smart&Human innovations at WoodTech 2023

*October 19-23, 2023
Tüyap – Istanbul (Hall 3, Booth 313)*

SCM, global leading producer of secondary woodworking machinery, confirms its participation in the next **Woodtech Woodworking Machinery Fair**, to be held from 19 to 23 October at Tüyap Exhibition and Congress Center, in Istanbul (**Hall 3, booth 313**).

The Italian group will be present with its own exhibition space, in line with the strong attention given to Turkish market and the strategic investments made with the opening of a subsidiary, **SCM Turkey (SCM Türkiye)**, in the Istanbul area one year ago.

WoodTech visitors will be able to find out the various advantages of a diversified proposal of cutting-edge technologies conceived for every production requirement.

The SCM's **Smart&Human Factory** 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.

The cutting-edge technologies on demonstration will integrate with software and digital services at each stage of the machining process - preparation of data, planning, production, monitoring and assistance - to increase productivity and connect the entire process from the office to the factory.

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.

Beam saw: gabbiani g 2

Speed, precision, flexibility and high productivity mark out **gabbiani g 2**. It has been designed to assure high performance in a developed industrial context of just in time productions.

This beam saw allows for perfect cuts, even at the maximum high-speed, owing to the 15 kW motor supplied as a standard feature with RPM blade adjustment.

Productivity has been increased up to 30%: both the machine working time and the product waste are reduced thanks to the superior category devices, such as **FLEXCUT 1D**, and the new optimization software **Maestro optiwise** whose function is to optimize the position and orientation of the parts to be produced on the table in order to reduce material waste. All at a competitive price.

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

Edgebanding: stefani range for industry

stefani kd: 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.

stefani x: designed to offer the highest quality of processing on any type of panel and material and to fully meet the needs of a **digital, connected and integrated factory**.

Stefani x offers **TOP gluing quality** thanks to the possibility of having **two pre-melters at the same time**, one for EVA glue and one for PUR glue. Also protagonists are the new **working units with servo-assisted movement (end trimming and rounding)** designed to meet two objectives that are key to the market: easy use even for more complex machining on delicate, trending materials, thanks to an automatic, flexible set-up, as well as repeatability, quality and accurate production processes, thanks to the electronic touch.

Sanding: dmc sd 90

Also on display will be **dmc sd 90**, the **RRCS** configuration (calibrating roller, sanding roller, combi unit) ensures high flexibility and time saving and makes this machine perfect for both calibrating and sanding operations. It is the **ideal solution for solid wood, veneered, lacquered and painted panels**, it excels in the provision of an optimum level of finishing due to the "MESAR" electronic sectional pad.

The wide belt sander is equipped with the brand new 10" **eye-S control panel** with **Maestro active** interface.

This machine guarantees effectiveness and efficiency (maximum productivity and reduced machine downtimes) and offers the best performance in the world.

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.

Increased productivity with the **SET-UP system**, which allows the operator to change tools and perform adjustments in just a few seconds, making set-up time up to 20 times faster.

High flexibility with the possibility to process work-pieces with extremely variable dimensions, minimum section 15x6 mm and maximum section 240x120 mm. 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, millimeter lines simplify the manual positioning of the machining units and tool change operations are always guided.

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, **formula s 740p band saw**, **L'invincibile s 7** and **nova s 520** thicknessing planers.

Scm Group is a global leader in technologies for machining a wide range of materials and industrial components. Across the globe, the group's companies act as highly reliable partners to leading industries in a wide range of product sectors, from furniture to construction, automotive to aerospace, and yachting to plastic machining.

Scm Group coordinates, supports and develops a system of industrial excellence in 3 large highly specialised production centres in Italy, with a turnover of 850 million Euro, with 4,000 employees and a direct presence on all 5 continents.

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