

SCM at the 26th International Timber Construction Forum (IHF)

Innsbruck (AT), 30 November - 2 December 2022 - stand DG015

The 26th edition of “**Forum Holzbau**” is approaching. It is the most important global event in timber construction, and will be held at the Congress Centrum in Innsbruck from November 30 to December 2.

SCM will also be taking part in this edition together with the most important players in the production line (architects and designers, machinery suppliers and builders) to present its **latest products for the industry**. Deep-rooted technologies that, together with the SCM team's exclusive skills, are empowered by the **seventy years** of experience acquired by the Italian group in developing and producing advanced, and flexible solutions for wood machining.

The **area** and **oikos** CNC machining-centre ranges are an example of this as they are continually improved with new specific models for the production of timber construction components, and the launch of a completely new entry in terms of finishing: **dmc system xl**, an automatic sanding-calibrating machine specifically designed for machining X-lam/CLT panels and walls. Another equally clear example is the trade partnership forged with the Swedish company, **Randek AB** - another key player at Forum Holzbau - to supply the widest range of solutions for beams, walls, frame walls and X-lam/CLT panels at international level.

WHAT'S NEW FROM SCM AT FORUM HOLZBAU

AREA X

At the Forum in Innsbruck, together with the SCM team, you will have a chance to examine the specifics of the **area x**, the new 5-axis CNC machining centre with mobile gantry-type structure for SMEs in the timber construction industry.

The key advantages of this new model include **exceptional machining quality and maximum reliability** that allow for **finished elements** to be produced, **ready for assembly at the work site**, as well as **completely eliminating down times** caused by any problems.

Area x positions itself at the centre of the SCM 5-axes cnc machining centre range with a mobile gantry-type structure and PRO worktable dedicated to the production of **X-lam/CLT panels for walls and flooring** as well as **curved beams**. This solution allows you to machine elements of up to 3,600 mm in width and 360 mm thick, while the length can reach up to 36 metres.

The **PRO version worktable** is the key feature of this new model. **The high level of configurability** comes from the availability of five different bases (from 16,000 to 36,000 mm) that can be fitted with automatic systems for reference and piece locking, together with innovative systems for cleaning the work area.

AREA X can have a simpler worktable for a stand-alone version or a more complete one for a version that can integrate into automatic production lines.

The **30-kW working unit** guarantees excellent performance even under severe working conditions and is supported by a specific suction system for completely dust-free operations.

The tool magazine can hold up to 15 tools and/or special supplementary ones to cover all possible machining work: squaring, end stop milling, slots, drilling, nesting cut, creation of sharp edges, laps and notches.

Area X, as is the case with all SCM cnc machining centres for the timber construction, is fitted with **Maestro beam&wall**, the software that allows you to program and control the entire workflow easily and quickly. Furthermore, the operator's work is made easier by the use of a double **eye-M** console for both the Maestro beam&wall software and a **video surveillance system** connected to four HR cameras for complete control of the production process in real time.

DMC SYSTEM XL: NEW HORIZONS FOR SANDING X-LAM/CLT PANELS

SCM extends its many years of experience in sanding to the timber construction sector with a new project dedicated to machining X-lam/CLT panels.

Dmc system xl, is a solid, reliable and highly technological solution that offers configuration versatility and unification of the components and parts in common to optimise management costs.

This new solution involves a solid steel structure capable of machining the upper side of the **panels up to 3700 mm wide and 500 mm thick**. Its strength is the **modularity** that for decades has been one of the most popular advantages of the range for **dmc** sanding.

At this initial stage, **three modules** have been developed (roller unit, pad unit and transversal unit) **that can be combined with one another** based on specific production needs. Furthermore, at a later date, the customer will be able to add additional units to the selected configuration, achieving an efficient and coherent integration between the machines, controls and electrical panels.

At the planning stage, **top quality materials and components** have been selected that have been designed to last long and support the most intense machining work. Furthermore, the heart of the dmc system xl technology was developed to make the operator's maintenance work easy, fast and always safe.

SCM's approach to X-lam/CLT sanding is to help customers distinguish themselves on the market with solutions aimed at improving the surface finish and increase the value of the finished product.

MAESTRO BEAM&WALL NOW IN ITS NEW 3.0 VERSION

SCM will also present the latest 3.0 version of its Maestro beam&wall software at Forum Holzbau, designed to machine structural elements and, more specifically: roofs, structural beams and columns, wall panels and flooring, solid wood beams including round ones, blockhaus, curved blackboard beams and insulating panels.

As well as offering all the advantages of a **proprietary software**, entirely developed by those who understand both how the machine works and the machining process, Maestro beam&wall stems from years of experience in the field and continuous collaboration with customers, to find the best solution for demands to **optimise the workflow** and a **better production flexibility**.

The new 3.0 software version features a **fully updated graphic programming interface** and is aligned with the design CAD systems used by architects.

Furthermore, Maestro beam&wall 3.0 is enhanced with new functions:

- **"Advanced" nesting function for machining beams and panels** that tells you in advance the amount of material needed to complete the project and achieve an increasingly more significant reduction in waste.
- **2D freehand drawing function** to create particular shapes not included in the macro standards of the BTL language.

The most recent feature is the option of using Maestro beam&wall both on **PCs in the office and on the eye-M operator console**, that is, directly on board the machine even at the programming stage, an important advantage for companies that rely on flexibility of use to increase their productivity.

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 in excess of 750 million Euro, with 4,000 employees and a direct presence in all 5 continents.

Press Office

Alessandra Leardini – alessandra.leardini@scmgroup.com Tel. +39 0541 700230 - mob. +39 344 3483015.