

At Forum Holzbau International the wide range of SCM new entries for timber construction

The IHF Forum will be an opportunity to discover SCM's latest for "smart" timber processing across a wide range of application sectors - from the new OIKOS and AREA CNC machining centres to cutting-edge profiling and sanding technologies for CLT production.

**3-5 December 2025, Congress Innsbruck (AT)
Stand DG 016**

SCM returns to **IHF – Forum Holzbau International**, the final event in the Forum Holzbau calendar, marking the conclusion of a year full of investments, innovations and new solutions for the timber construction industry.

IHF, whose 29th edition is due to be held in Innsbruck (AT) from 3 to 5 December, is the culmination of a journey which, by attending the numerous editions of Forum Holzbau across Europe, has bolstered SCM's interaction with the entire timber construction supply chain.

As a key player in the sector, SCM will take part in the event, presenting its most innovative machinery for **"smart" timber processing**. The company will also share its extensive expertise in the machining of **structural beams, CLT wall and floor elements, prefabricated walls, roofs, trusses and insulation panels**.

OIKOS XS 650 and OIKOS X+ - Innovative CNC solutions for linear wooden elements

Among the SCM's most advanced solutions for linear elements is the new **Oikos xs 650** – the 5-axis CNC machining centre designed for **beams with cross-sections up to 650x310 mm and as low as 40x20mm** with an exclusive telescopic support for precise machining, intended to produce prefabricated walls, roofs and glulam beams. Thanks to the full-stroke clamp and up to 9 operating units, the Oikos xs 650 can process all six faces of the beam in a single pass, without rotating the workpiece. This ensures **high productivity, great precision, a compact footprint and competitive costs**.

Another standout model in the range is the **Oikos x+**, the CNC machining centre specifically designed for **high-volume production of solid wood and glulam beams, with a maximum cross-section of 1,250x300 mm**, ideal for the construction of roofs, residential buildings, and public structures.

The Oikos x+ is equipped with:

- a **6-axis machining unit with automatic tool change**, capable of performing all necessary operations on structural beams, wooden boxes and CLT panels with **great flexibility and finish quality**.
- a **5-axis machining unit with a 900 mm diameter sawblade**, ensuring **better productivity and cutting capacity**, even on large beams. This is particularly effective for deep notches, increasingly required in structural applications.

Thanks to a cutting depth of up to 300 mm and ability to manage beams up to 300 mm thick, the Oikos x+ meets a wide range of customer needs. Its robust structure guarantees high precision and excellent absorption of the stresses generated during processing, making it the perfect choice for **carpenters working on laminated timber and looking for high productivity**.

AREA GL - Modular CNC technology for straight and curved glulam elements

SCM's CNC machining centres also extend to the processing of **straight and curved glulam elements used in the construction of large-scale structures** - such as public building roofs (sports halls, swimming pools, etc.), multi-storey buildings and infrastructure projects - thanks to **AREA GL, the innovative 5-axis CNC machining centre featuring a mobile gantry design**.

With **a work area up to 5 meters wide and over 50 meters long, and the ability to process all six faces of the workpiece using dual-suction cup supports**, AREA GL is the ideal solution for handling large elements without the need for repositioning. The absence of a traditional worktable, combined with a dedicated unit for machining the underside, ensures full coverage of the workpiece.

A key feature of AREA GL is its modular configuration, which can be adapted to different production needs. In addition to the standard dual-suction cup supports, the machine can be equipped with:

- **a fixed worktable**, ideal for panel processing, or
- **a movable bar-worktable**, perfect for hybrid production involving both panels and beams.

A special **system of movable safety fences** ensures safe operation in pendulum mode, while still allowing easy access to the work area.

AREA GL is powered by a proven **30 kW machining unit**, compatible with large tools and aggregates, delivering **high performance, precision, and reliability even under demanding machining conditions**.

IHF attendees will also discover the many advantages of **Maestro lab beam&wall**, a powerful programming software developed by SCM as part of the new CAD/CAM platform *Maestro lab*. It is fully compatible with the most widely adopted design CAD systems in the timber construction industry.

Fully integrated with the **Maestro active beam&wall HMI**, it supports programming both from the office PC and directly at the machine, enhancing **operational flexibility and overall efficiency**.

Additionally, the machining centre is equipped with **Maestro connect, SCM's IoT platform application** for real-time monitoring of the performance of connected machines.

CELASCHI XL and DMC SYSTEM XL - Advanced technologies for CLT panels

The Forum Holzbau International will also be a chance to find out the new **Celaschi xl** double-end profiling machine specifically designed to **optimise the production flow in CLT processing**. It allows machining operations to be redistributed from the CNC machining centre to the profiling machine, guaranteeing **greater productivity and maximum precision in the rebating and squaring operations on CLT walls**.

Four 44 kW electrospindles per machine side deliver the power needed to perform notches and rebates in one pass, even on high-density elements. The **solid structure** and use of premium industrial components minimize vibrations, ensuring superior finishing quality. The **chain transport system** ensures smooth and precise feed, even for large-format and high-thickness panels.

Celaschi XL is equipped with the **Maestro active square HMI software**, managed via the **eye-M PRIME touchscreen console**. The intuitive interface allows full control of the machine, simplifying programming and reducing operator training time.

Born from decades of experience in wood processing technology and SCM Group's ongoing innovation, Celaschi XL marks **a major leap forward in productivity and precision for timber prefabrication**.

Completing SCM's range of solutions for CLT panels machining is **Dmc system xl**, automatic calibrating-sanding machine that with its modules is able **to process both top and bottom face of CLT panels up to 3.700 mm wide and 500 mm thick**. The **very high configuration versatility** of the machine is granted by the possibility to combine and integrate between **each other the bottom roller, top/bottom pad and crossbelt units**. **Dmc system xl** is conceived to last long and to withstand the most intense machining thank to its solid steel structure that grants zero-vibration.

Energy saving is a key issue, since the machine has been specifically engineered with an optimized design **for minimum compressed air consumption**. This solution aims at **improving the surface finishing and increasing the value of the finished product**.

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 production sectors, from furniture to construction, automotive to aerospace, and marine 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 900 million Euro, with about 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.