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International Wood Construction Conference (IHF)

SCM presents new solutions for smart manufacturing in the timber construction industry

From the new OIKOS XS 650 and AREA GL CNC machining centres to advanced technologies for processing CLT elements and beam profiling.

2-4 December 2026 I Congress Innsbruck, Austria I Stand D16

SCM returns to **IHF, the International Wood Construction Conference** and the final event in the Forum Holzbau calendar, bringing to a close a year marked by investments, innovations and new solutions for the timber construction industry.

The 30th edition of IHF will take place in Innsbruck, Austria, from 2 to 4 December. The event is the culmination of a journey that has seen SCM take part in numerous Forum Holzbau events across Europe, strengthening its dialogue with the entire timber construction supply chain.
As a key technology partner for the sector, SCM will present advanced solutions for **smart timber processing.** An offering built around a clear objective: helping modern carpenters adopt faster, smarter processes across a wide variety of applications, including structural beams, CLT wall and floor elements, prefabricated walls, roofs, trusses and insulation panels.

Advanced CNC Machining

Among the SCM's most advanced solutions for straight 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 small as 40x20mm.** It features **an exclusive telescopic support** for accurate machining, **a full-stroke clamp** and **up to 9 operating units**, enabling "oikos xs 650" to process all six faces of a beam in a single pass, without rotating the workpiece. This ensures **high productivity and great precision**, while maintaining a **compact footprint and competitive costs**.

SCM's CNC machining centres also includes solutions for **straight and curved glulam elements used in large-scale structures**, including public building roofs, multi-storey buildings and infrastructure projects.
AREA GL is the **new 5-axis CNC** with a robust mobile-gantry structure and a **work area up to 5 meters wide and over 50 meters long.** It allows complete machining of all six faces of the workpiece without repositioning, using **suction supports for thicknesses up to 550 mm;** the **modular configuration, with options for a fixed worktable or movable bar-worktable**, ensures maximum production flexibility; a special system of movable safety fences ensures safe operation in pendulum mode, while still allowing easy access to the work area.
Equipped with a **30 kW effective machining head unit**, Area GL guarantees **high performance, precision, and reliability even under demanding machining conditions.**

Alongside its CNC machining centres for timber construction, SCM will present the benefits of **Maestro lab beam&wall** programming software, which is compatible with the most widely used CAD systems in the timber construction sector. Fully integrated with the **Maestro active beam&wall** HMI, it supports programming both on an office PC and directly at the machine, increasing operational flexibility and overall efficiency.

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High-performance technologies for CLT panels

The Forum will also provide an opportunity to discover SCM's latest solutions for processing cross-laminated timber (CLT) panels.

CELASCHI XL is a double-end profiling machine specifically designed to **optimise the production flow in CLT processing.** It guarantees **greater productivity and maximum precision in the rebating and squaring operations on CLT panels**.
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 finish 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.

Also in evidence is **DMC SYSTEM XL**, an automatic calibrating-sanding machine developed **to process both bottom and top face of CLT panels up to 3.700 mm wide and 500 mm thick.** Its **highly versatile configuration** allows bottom roller, top and bottom pad, and crossbelt units to be combined and integrated to suit different processing requirements.
Designed for long-term durability and intensive machining, DMC System XL features a **solid steel structure** engineered **to minimise vibration**. These features support **high-quality surface finishing** and help i**ncrease the value of the finished product**.

Throughfeed moulder for beams

SCM will also present **TOPSET XXL**, the automatic throughfeed moulder designed for the straightening of beams with **320x200 mm max. cross-section**.
Spindle rotating speeds of up to 12.000 rpm, customizable compositions and worktables with micrometric settings for optimal tooling set-up, are just some of the innovative features of this machine.
Ease-of-use and complete management of all machine functions thanks to the **MOBILE PC** electronic control, provided with the **Maestro active 4-side** software.

Connected production and digital services

In addition to its machinery, SCM will highlight the digital services available through its **IoT Solution** platform. By connecting machines and production data, the platform helps users monitor and optimise production performance while reducing operating, energy and maintenance costs.

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 800 million Euro, with about 4,000 employees and a direct presence in all 5 continents.

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