

DACH+HOLZ International 2026: SCM's new entries for an increasingly “smart” timber industry

The trade fair will be an opportunity to discover the new “oikos xs 650” and other solutions for “smart” timber processing: from CNC machining centres to advanced profiling and sanding technologies for CLT production.

**Cologne, 24-27 February 2026
Hall 7 / 324**

SCM returns to **DACH+HOLZ International** with an even richer offering of technological and digital innovations designed to meet the most current and complex production needs of the timber construction sector.

An offering built around a clear objective: helping modern carpenters adopt faster, smarter processes across a wide variety of applications, including structural beams, CLT walls and floor elements, prefabricated walls, roofs, trusses and insulation panels.

Taking centre stage at the SCM stand, the **5-axis CNC machining centre “oikos xs 650”** will serve as a concrete example of a “smart” solution designed to meet customer needs through a unique combination of versatility and precision.

Engineered for **beams with cross-sections up to 650x310 mm and as small as 40x20 mm**, 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, superior finish quality, a compact footprint and competitive costs.**

This new solution, as well as all SCM's CNC machining centres for timber construction, is equipped with **Maestro lab beam&wall**, a powerful programming software developed by SCM, 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 **SCM's IoT platform application** for real-time monitoring of the performance of connected machines.

OTHER INNOVATIONS PRESENTED IN DIGITAL MODE

New “area gl”: modular **CNC technology for straight and curved glulam elements**

Visitors to DACH+Holz will have the opportunity to explore, in a world preview, the latest addition to SCM's range of timber construction solutions: **“area gl”, 5-axis CNC machining centre** designed for processing **straight and curved glulam elements intended for public building roofs, multi-storey buildings and infrastructure projects.**

With a robust mobile-gantry structure and a **work area up to 5 meters wide and over 50 meters long**, *area gl* allows complete machining of all six faces of the workpiece without repositioning, using **suction supports for thicknesses up to 550 mm.**

Its 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, it guarantees **high performance, precision, and reliability** in the execution of large architectural projects, designed using the leading CAD systems in the industry.

“oikos x+” CNC machining centre for linear wooden elements

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**.

“celaschi xl” and “dmc system xl”: advanced technologies for CLT panels

DACH+HOLZ 2026 will also be a chance to find out the 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.

The “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.

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 – wood, aluminium, plastic, glass, stone, metal and advanced 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 nautical to plastic machining.

Scm Group coordinates, supports and develops a system of industrial excellence, with highly specialised and integrated plants in Italy and other sites in Germany, the United States and Brazil with production dedicated to local markets.

Scm Group has a turnover of 900 million euro, more than 4,000 employees and a direct presence on five continents.

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