

## PRESS RELEASE

# TECNO LOGICA launches a new automation paradigm at Ligna 2025

Tecno Logica, the Scm Group company specializing in fully integrated industrial automation and robotic solutions, will unveil a **groundbreaking edge banding innovation** at Ligna 2025, setting a new standard in panel machining: RO-TEC X6!

**RO-TEC X6** is not just another edge banding machine — it's a redefinition of automated manufacturing. The machine merges Tecno Logica's deep expertise in both woodworking and automotive automation with cutting-edge market demands. Developed with a holistic vision, the RO-TEC X6 addresses not only machinery and plant design but also product flow, logistics, smart monitoring, and real-time production control - all combined to maximize value for manufacturers.

At its core, the RO-TEC X6 is a **multi-functional rotary table machining center** featuring a multi-station carousel configuration, allowing vertical machining of workpieces. This breakthrough technology - already established by Tecno Logica in the automotive production - now enters the furniture industry enabling advanced drilling, milling, cabinet assembly, and edge banding with unprecedented efficiency.

This modular system **offers unmatched flexibility**, adapting to various production requirements with single or multi-head configurations, available with four, six, or eight stations. Whether realized as standalone work cells or integrated into complex production lines, the RO-TEC X6 optimizes workflow, streamlining operations for maximum productivity.

The new RO-TEC X6 edge bander, for example, can be fitted with drilling and milling modules or integrated into more articulated lines consisting of several machining centres. Furniture manufacturers can also rely on highly integrated IT-systems that connect various factory steps and processes to optimise resources, throughput times, space and costs.

"This solution was developed to help manufacturers overcome the challenges of operational continuity and efficiency—especially in high-mix, complex production scenarios," says **Mirko Piasentin, CEO of Tecno Logica**. "Beyond performance, companies must adopt sustainable practices that minimize machine footprint, reduce energy consumption and material waste, and ensure top-tier safety and reliability standards. Our new solution at Ligna is a concrete response to these industry needs."

## **The benefits of the RO-TEC X6 and the entire range**

### **- Operational continuity**

Constant performance (with an OEE up to 98%) and advanced production capacity (up to 1400 workpieces/shift) even in a complex and high-mix production environment (batch size one).

### **- Low maintenance costs**

The multi-station carousel configuration, in which the workpiece is kept static in a vertical position while the operating units work around it, running at optimal machining speeds (25 m/min) and hence with reduced mechanical stress resulting in **less wear on components and consistent quality** over time.

### **- Less scrap and greater quality control and process optimisation**

Images and data regarding the production mix can be collected and analysed using advanced AI algorithms already proven and implemented in the automotive industry. RO-TEC X6 therefore optimises performance to guarantee the **best possible quality at the lowest cost per workpiece**.

### **- Manpower optimisation**

Low value-add manual tasks are minimised for personnel, leaving them free to focus on more specialised and activities with higher values. Machine interaction is more strategic and less operational, in line with the changing level of professionalism in the sector.

### **- Production space optimisation**

Unlike traditional in-line solutions that require large areas for moving workpieces between the different machining stations, RO-TEC X6 drastically reduces machine footprint (150 m<sup>2</sup>) thanks to its vertical design. This offers both financial savings and a better use of industrial facilities.

## **Evolution never stops and with Tecno Logica the future is already here.**

Tecno Logica's solutions are therefore a strategic investment for companies with a forward-looking vision focused on maximising production efficiency and reducing operating costs. Thanks to their process optimisation, they offer a rapid **return on investment** and achieve economic benefits in the short term.

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Tecno Logica is the design and manufacturing benchmark for integrated, high production capacity systems and robotics that handle even extremely fragmented mixes for a wide range of production areas, from woodworking to automotive and industrial.

Its highly qualified team and the experience gained over almost thirty years of working side-by-side with market-leading customers the world over make Tecno Logica the ideal partner for advanced engineering project solutions for major industrial groups.

Tecno Logica is a member of the Scm Group, a world leader in technologies for machining a wide range of materials - wood, aluminium, advanced materials, glass, stone, plastic and metal - and industrial components.

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