**Hiteco at Ligna 2025**

***The high-tech mechatronic component specialist is ready to unveil numerous new products at the Ligna trade fair created through its strategic plan of investing in innovation and production efficiency***

***Hall 15 – Stand D30***

Hiteco, the company that specialises in high-tech mechatronic components for machine tool manufacturers, is gearing up for the forthcoming edition of Ligna, thanks to its roadmap of constant growth and continuous investment in production efficiency and R&D.

Founded in Rimini in 1977 with the aim of supplying components (electrospindles, bi-rotational heads, boring heads and aggregates) for machines that process wood and other materials, Hiteco has since become one of the world's leading manufacturers in this sector.

Its continual growth allowed the company to increase its turnover by 15% in 2024 compared to the previous year, thanks to a constant increase in exports to Asia, Europe and North America.

At Ligna, in **stand D30** in **Hall 15**, Hiteco will present numerous innovations for machine tools in the woodworking sector, including bi-rotational heads and a new range of electrospindles and digital services (the Hiteco Smart Package). These innovations are the result of a strategic investment plan, which culminated in the opening, in June 2024, of a new headquarters in Rimini. Covering 9,000 square metres, of which 7,000 are dedicated to production and 1,000 to R&D, the site is three times as large as the previous one.

**New products on show at Ligna**

For technological timber construction solution manufacturers, the new **Tilt CLT** **(Cross-Laminated-Timber)** will be unveiled at the fair. This bi-rotational head, fitted with a 60 KW HSK100A electrospindle, is specifically designed to increase productivity when cutting CLT beams and panels up to 400 mm thick.

There will also be a spotlight on the Orbital 45°, the new bi-rotational head, featuring axes at an incidence angle of 45° that minimize the electrospindle’s horizontal footprint when machining between two workpiece clamping bars. The geometry of the bi-rotational head, where the spindle axis is coaxial to the C-axis, allows tools up to 200 mm long to be used in the 500 mm diameter rotation ball. This is ideal for making slots and holes in thick panels for concealed hinges and shelf supports.

For high-speed machining on wood, plastics, advanced materials and integration systems on robotic arms, Hiteco will also present **Speedtech**, a new range of high-rotation electrospindles that stand out for being lightweight and easy to install with fast electrical connections. These special features make these components the perfect choice for technological solutions dedicated to the manufacture of signs, eyewear, consumer electronics and fashion hardware.

The new products on show will also include the latest version of the configurable **Asse-C**, the ideal component for compact operating units. The key benefit of this innovation is that it can be installed at different angles around the spindle axis, which leaves space for the drilling unit and optimises layouts and footprints.

The range of Hiteco innovations at Ligna reflects the company's significant investments in services, digital transformation and Artificial Intelligence (AI) too. In fact, visitors can discover the latest **Hiteco Connect** updates in the new version of the app that can be downloaded from both iOS and Android platforms. Thanks to smart sensors applied to electrospindles, the app can now be used to monitor their condition and performance in real time and at any time. All the data from the component in question can then be analysed to optimize its use and maintenance.

“*The new products we will be presenting at the fair demonstrate the increasing level of innovation in our products and services, which are designed to secure added value for woodworking machines in terms of performance, speed, power, precision and reliability over time,”* commented the Hiteco Director, **Massimo Benvenuti**. *“With regard to technological innovation, all our products stand out for their wide use of Industry 4.0 sensor technology and strong focus on limiting machine electricity consumption in line with Industry 5.0 targets.*”

In more general terms, **Research and Development** which has been Hiteco's jewel in the crown for years, continues to be the company’s mission. “*We have a specific R&D team at the company that focuses on creating flexible, state-of-the-art, technological solutions that evolve continuously. Stringent checks have also been put in place throughout the production path to monitor the key stages in the process. All the checks and final inspections are carried out using the most advanced instruments that are properly certified and constantly updated. All our investments focus on increasing the quality and resistance of our products and, consequently, the performance of our customers' machinery*.”

Production is entirely *Made in Italy* and all the most important spindle parts are manufactured internally. All of Hiteco's products are assembled in-line, too. This ensures complete control over all assembly operations and guarantees the customer the highest quality standards. This exclusive benefit ensures both extensive warehouse availability and significantly shortens delivery times.

Hiteco is also investing in expanding its international presence to support the needs of its manufacturing customers quickly and professionally. The two directly operated branches opened in the USA and China, and the numerous Hiteco authorised service centres around the world are part of this mission.

**Hiteco Srl.** specialises in the design and production of high-tech components for machine tool manufacturers. More specifically: **ATC electrospindles, MTC electrospindles, bi-rotational heads, boring heads and aggregates.**

Hiteco serves the international market with a wide range of products for machining: **wood, plastic, advanced materials, glass, stone and metal.**

**With a turnover of around 40 million euros and over a hundred employees, Hiteco has a direct and capillary presence on five continents.**

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