

HSD at HOLZ-HANDWERK 2022 with the same eternal passion and the technology of the future.

Pesaro, 17 May 2022 – Holz-Handwerk is a not-to-be-missed opportunity to get a close-up of the amazing advantages of the **MyHSD platform**, take part in the **preview presentation** of the brand new **servomotor SM137 ETHERCAT and PROFINET**, and **see for yourself all the HSD technologies** that can revolutionise companies' production.

*“Creating innovation through integrated solutions that are sophisticated yet user-friendly, enabling production to be boosted and improved, but at a lower cost. This is precisely the vision that gave rise to **MyHSD** - the HSD platform that allows us to provide our customers with a huge range of services”* explains Fabrizio Pierini, HSD Division General Manager. *“Reducing maintenance costs, analysing data in real time to convert them into handy information, enhancing the customer's knowledge about the use of the electrospindles, providing additional services and supplying information useful for R&D, to improve our components and machines. All this is possible with MyHSD!”* continues Pierini.

By taking part in the demo at the stand, visitors can find out all about **MyHSD**. A standard wi-fi network is all it takes to enter the IIoT world of MyHSD with the possibility, 24/7, to see information and data in real time relating to the technologies being used, to optimise the performance and productivity of the devices. The collected data can be used to analyse how the electrospindles are working, improve the processes and optimise maintenance through timely notifications and guided troubleshooting procedures.

With the PREMIUM package, users can also monitor device wear throughout its lifespan, maximising uptime and avoiding or reducing machine downtime.

The MyHSD platform uses AWS to provide **global level infrastructure and security**.

*“The **HSD technological solutions** are at the service of the 4.0 revolution, to make our customers increasingly competitive”* states Alessandro Parrucci, Commercial & Markets Director. *“For a long time now, HSD has already been producing electrospindles with automatic and manual tool change, C axes, bi-rotary heads, boring heads, multifunction units and aggregates dedicated to wood machining.*

*Thanks to this wide selection of products, our 30 years of know-how, and our technological skills combined with the continuous studies of our engineering departments to meet every need down to the last detail, we - along with our customers - have helped **create unique pieces ready to be admired**. A couple of examples of those pieces produced with machines with HSD fittings are the sacristy of the Sagrada Familia - a masterpiece of genius, art and precision, and the Grotta Sauna - a 75-square metre construction that simulates a natural sea cave on the island of Barnyk, north of Toronto.*

But we mustn't forget the day-to-day reality either” continues Parrucci. *“Wood is with us in our everyday life, throughout the day, at home, at work and in our spare time, and **these are just a few***

examples of how the power of HSD technology blends perfectly with art, creativity, design and comfort.

*There are no machining limits for producing any type of element from windows, doors and staircases to worktops, furnishing elements and much more besides. The continuous rotation of the B and C axes of the 5-axis milling unit (obtained thanks to technologically advanced **electrospindles**) guarantees the maximum machining speed and the quality of the end product” concludes Parrucci.*

HSD is arranging a preview presentation of **SM137 ETHERCAT and PROFINET** too. The SM137 servomotor is part of HSD's Smart Motors range, resulting from a design that brings together mechanical and electronic expertise.

It's fitted with brushless technology: the Motion Controller, an encoder, an epicycloidal reducer, and various interface possibilities with the ETHERCAT and PROFINET field buses that guarantee first class communication to ensure the standard controls, supervision systems and management computers can work together in a quick, efficient manner.

Many **technologies** will be visible at the stand, with HSD **technical and sales personnel** ready to offer their experience to come up with tangible solutions to meet the needs of those who work with wood.

Working units (with a modular structure to suit specific production requirements) that can quickly handle the cuts most commonly used in the door and window sector: tenon and mortice, struts, half lap joints, profiles and dovetail joints.

Milling units that can sustain machining operations on very large, heavy tools thanks to the encoder positioned on the spindle axis to regulate the level of input current on the basis of the tool feed.

Accessory units that boost the possibilities and take full advantage of all the machine potential. Wood construction, an increasingly popular trend that focuses on quality and ecology, guaranteed by the **HSD range**. Apart from specific technologies for **doors and windows**, HSD is also the star of the show in the **Housing** sector where it provides distinct models for machining solid and veneered wood beams for all the wooden elements used for the construction of frame houses, structured panel houses, prefabricated constructions and structures for play areas. HSD's solutions enhance the competitive value of our customers, allowing them to stand out on the market.

“For HSD, Holz-Handwerk is a reference event for the international wood sector market, and we invest heavily in it. For us, this trade fair represents a global showcase of enormous value. It gives us the chance to demonstrate the practical application of our technologies, and it's an unmissable opportunity for our customers to get a hands-on feel for our corporate culture and our 4.0 Ready innovations” says Laura Alesi, Marketing Manager at HSD.

HSD: HALL 11.0 Stand 215.

HSD S.p.A. - HSD Mechatronics designs, produces and sells electrospindles, 2-axis milling heads and technologically advanced components for machining metal, alloys, composite materials and wood. It boasts a structure of 8,000 sq. metres, organised according to the principles of “just-in-time” production. It has its HQ in Italy, and 5 branches located in the main market countries.