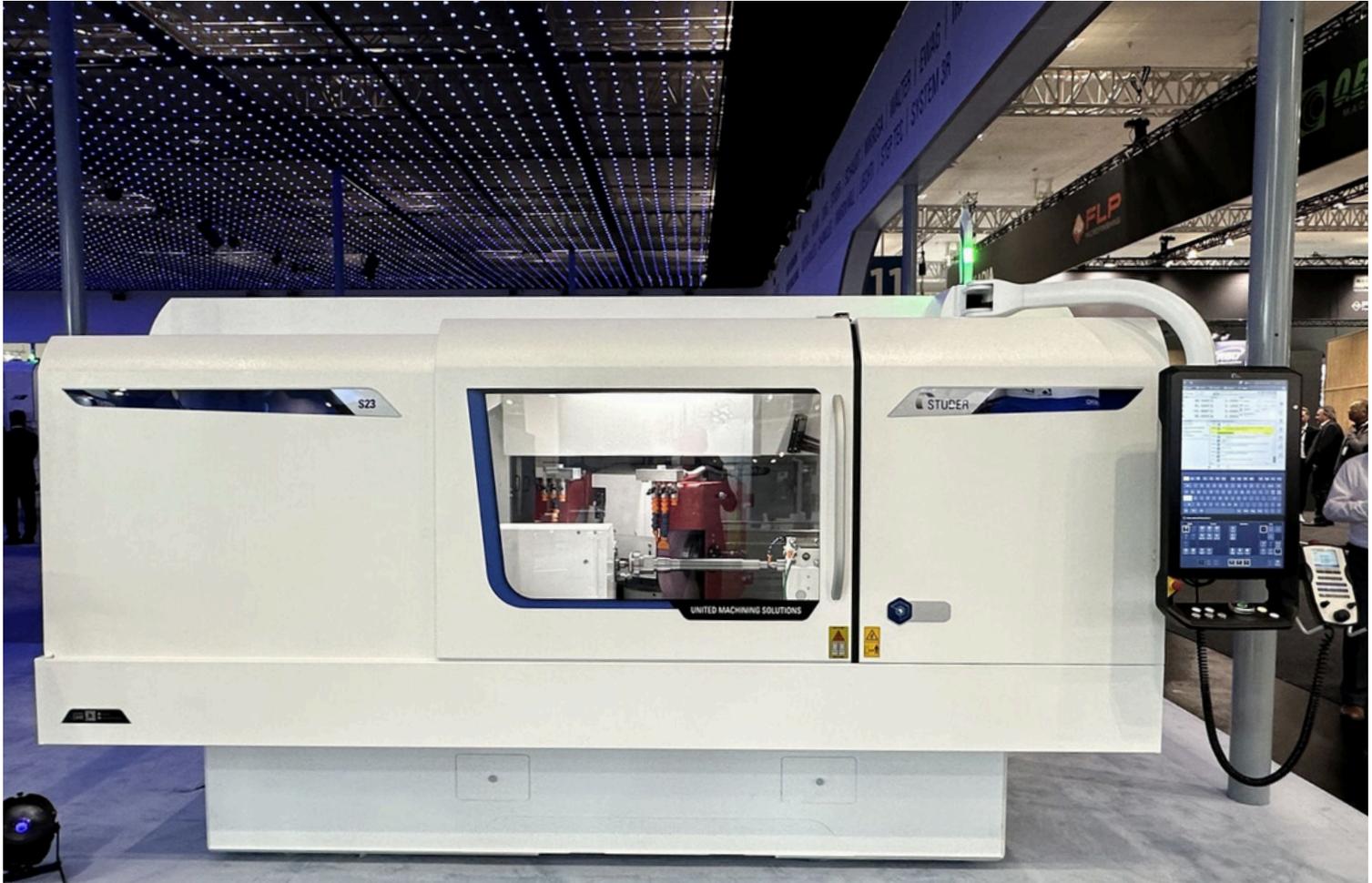


THIS IS STUDER S23



“The S23 universal cylindrical grinding machine combines high precision, flexibility, and modern grinding technology in a compact footprint — all at an exceptional price-performance ratio.”

Over the past few weeks, I've had a lot of conversations with customers about the new Studer S23, and it's easy to see why there's so much excitement.

Unveiled to the global public at EMO Hannover 2025, the S23 universal cylindrical grinding machine combines high precision, flexibility, and modern grinding technology in a compact footprint — all at an exceptional price-performance ratio.

What's particularly impressive is that, while the S23 is a brand-new model, it's built on proven STUDER technology and components from existing machines that customers already trust. This makes it a highly reliable solution that delivers the benefits of new innovation without the uncertainty that can come with a first-generation design.

With STUDER's C.O.R.E. architecture, an automatic B-axis with 1° Hirth coupling for up to three grinding tools, and the renowned Granitan® machine base, the S23 combines stability, performance, and ease of operation — ideal for both entry-level and premium applications.

WHY STUDER S23

Key Highlights:

- Compact design with 650 mm / 1000 mm between centres, 175 mm centre height
 - Automatically swivelling wheelhead for up to three grinding tools
 - Intuitive operation with C.O.R.E. and StuderWIN
 - Seamless automation via easyLoad and insertLoad
- Ideal for tool and die, automotive, aerospace, and medical sectors



Applications



Fine adjustment for cylindricity corrections



Hydraulically swiveling dressing unit

Problem	S23 Feature / Capability	How It Helps Solve It
Long changeovers / many setups	Swivel-able wheelhead (B-axis) that can accommodate two external grinders + one internal in one clamping.	Reduces the need to re-clamp or swap out heads; allows external + internal grinding (or OD + ID + thread) without interrupting the process.
Maintaining precision with complex parts	Use of in-process measuring , contact detection, semi-automatic balancing of wheels.	Helps detect deviations during grinding, correct in real time; maintains surface finish and geometric accuracy.
Thermal and vibration issues	Granitan® base (good thermal stability), well-designed structural rigidity; also sensor & digital features to detect / adjust.	Reduces distortion from heat; improves damping; helps suppress chatter; better stability over whole process.
Handling internal and external / thread grinding in same machine	Provides optional C-axis for thread & out-of-round, internal grinding spindle, swivelling table, multiple wheel positions.	You can do more types of operations in one machine; fewer specialized machines needed; more flexibility.
Operator complexity and training burden	Intuitive software (StuderWIN), C.O.R.E control panel, QuickSet for fast setups; practical user interfaces.	Simplifies the programming and operations; reduces mistakes; shorter learning curve.
Low throughput / automation issues	Standardized automation interfaces (“easyLoad” / “insertLoad”) for loaders; compact footprint; quicker changeovers; efficient machine layout.	Enables semi or full automation; increases productive hours; less idle time.

A PERFECT BLEND OF PROVEN ENGINEERING AND MODERN INNOVATION

The S23 is another great step forward in STUDER's long tradition of precision grinding.



As STUDER CEO Sandro Bottazzo explains:

"Thanks to its high-quality features, precision, and flexibility, the S23 complements our portfolio in both the entry-level and premium segments."



MICRONZ AND STUDER - A PARTNERSHIP YOU CAN RELY ON



For over 25 years, Micronz Ltd and STUDER have shared a strong and successful partnership built on precision, innovation, and customer-focused service. As the official representative for STUDER in the North of the UK and Scotland, Micronz is proud to support one of the world's leading names in cylindrical grinding technology.

This long-standing collaboration has been driven by a shared commitment to excellence in engineering and manufacturing. STUDER's advanced grinding solutions are trusted globally for their performance, reliability, and quality - and Micronz ensures that customers across the region have access to this world-class technology, supported by local expertise.

From technical sales consultation and project planning through to machine commissioning and ongoing support, Micronz provides a complete service that ensures each STUDER installation delivers exceptional results. Our experienced team works closely with manufacturers across a wide range of industries to tailor solutions that meet precise production requirements and achieve the highest levels of accuracy.

As we mark 25 years of collaboration, Micronz continues to strengthen its partnership with STUDER - bringing together Swiss precision and UK-based expertise to help our customers achieve their manufacturing ambitions.