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Open House since 30 years – Over 100 years of precision and innovation in Pfronten

Productively and sustainably into the future of manufacturing

Munich. With its in-house exhibition in Pfronten, DMG MORI offers an exclusive platform for partnership-based exchange, inspiration and the presentation of groundbreaking innovations. From February 10 to 21, 2025, customers, suppliers and other trade visitors are invited to get to know the Machining Transformation (MX) up close. "DMG MORI opened its doors for the Open House in Pfronten for the first time 30 years ago - today our event in Pfronten is a tradition in the industry. Together, we are kicking off a year full of innovations and the diverse possibilities of our MX - Machining Transformation. I am looking forward to many discussions and personal meetings with our customers, partners and visitors from all over the world," says Irene Bader, Member of the board of DMG MORI, giving an outlook on the event. Five world premieres will be presented: The **DMU 60 eVo 2. Generation** and the **DMX 60 U** as well as the **DMX 80 U** stand for innovative manufacturing solutions in milling, which machine complex workpieces as completely as possible with the help of integrated processes. The new **ULTRASONIC 20 linear 3. Generation** is the most precise 5-axis simultaneous machining center and revolutionizes ultrasonic-assisted milling and optional grinding of advanced materials. The **CTX 750|1250** impresses in terms of performance, precision and energy efficiency. Visitors can experience the assembly of high-end machining centers such as the DMU 600 P and DMC 340 FD µPrecision live in Europe's largest DMG MORI factory.

Experience Machining Transformation (MX) live

"For our customers today and in the future, it is all about creating quality-oriented, competitive and sustainable production. With decades of experience in industries such as Aviation & Space, Die & Mold, Semiconductor as well as in classic Mechanical Engineering, DMG MORI offers solutions based on the Machining Transformation (MX) model," says Cornelius Nöß, Managing Director of DMG MORI Pfronten GmbH. Process integration increases efficiency by bundling machining steps such as milling, turning and grinding. Examples of this are the DMC 125 FDS duoBLOCK shown at the Open House in Pfronten and the CTX gamma 2000 TC. Automation creates continuous machine availability and therefore higher production capacities, as the Robo2Go Max demonstrates live on the CTX gamma 2000 TC. Digital Transformation (DX) supports technology cycles with the CELOS X widgets for more efficient planning and simulation of production processes. Together, these pillars and additional measures, such as the adaptive coolant supply, promote the Green Transformation (GX), i.e. more sustainable production with reduced energy consumption.

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DMG MORI is presenting the complete PH Cell series for pallet handling from 300 to 2,000 kg transfer weight as well as the PH Cell Twin for linking two machines for 24/7 production and increasing spindle running times. The new e-PALLET system revolutionizes the classic machine table, enables the use of smart clamping devices and uses intelligent software. It also increases flexibility and optimizes processes. The intuitive operation is complemented by the Clamping Master.

World premiere: DMU 60 eVo 2. Generation - new evolution in universal machining

With the DMU 60 eVo 2. Generation, DMG MORI is setting new standards in 5-axis universal machining and a milestone for precision and productivity. Based on the unique table kinematics, the proven machine concept has been fundamentally further developed to meet the increasing demands for precision, dynamics and flexibility. This is why the DMU 60 eVo 2. Generation successfully utilizes DMG MORI's Machining Transformation (MX) concept: The machine integrates manufacturing processes such as mill-turn machining, gear hobbing using the gearSKIVING technology cycle and grinding. This process integration transforms the DMU 60 eVo 2. Generation into a multifunctional machining solution that can be flexibly adapted to a wide range of requirements and industries and exploits the full potential of future-oriented machining technology. Intelligent automation solutions optimize machine utilization around the clock if required. Modern control options - a SINUMERIK One and a HEIDENHAIN TNC 7 - on CELOS X pave the way for Digital Transformation (DX).

World premiere: ULTRASONIC 20 linear 3. Generation - the most precise 5-axis machine from DMG MORI

The new ULTRASONIC 20 linear 3. Generation for ultrasonic-supported grinding proves once again that DMG MORI also continues to develop proven technologies with a high degree of innovative strength. The machine tool manufacturer has completely revised the world premiere with the experience gained from 600 installed predecessor models and entered a new sphere of positioning accuracy. 2 µm in the linear axes and 2" in the rotary swivel axis surpass even µPrecision technology. Equipped with ULTRASONIC technology, the most precise 5-axis simultaneous machining center from DMG MORI revolutionizes ultrasonic-supported milling and optional grinding of advanced materials such as glass, ceramics and sophisticated composites for the semiconductor industry. The ultrasonic superimposition of the tool rotation with amplitudes of up to 15 µm reduces process forces by 50 percent and enables higher feed rates, improved surface finishes and longer tool life as required.

World premiere: DMX 60 U / DMX 80 U - future-proof production with the DMX U series

Based on the proven and robust design of the 3-axis DMV vertical milling machines, DMG MORI has developed the DMX 60 U and DMX 80 U for 5-sided machining of complex workpieces weighing up to 300 and 350 kg respectively. With travels of 600 x 600 x 510 mm for the DMX 60 U and 800 x 600 x 510 mm for the larger model, the new universal machining centers cover a wide range of components in general mechanical engineering, die & mold and other demanding industries. The monolithic machine bed made of solid cast components and the wide roller guides form the basis for

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high precision requirements. They provide the DMX U models with 45 percent greater rigidity compared to the predecessor series and enable dynamic machining with rapid traverse rates of up to

42 m/min. Comprehensive temperature compensation measures ensure high thermal stability and therefore consistently precise production, while direct position measuring systems and direct drives in the X and Y axes guarantee high positioning accuracy. The circular form accuracy is 6 µm. In addition, the DMX 60 U and DMX 80 U are ideal machines in the context of Machining Transformation (MX) thanks to numerous automation solutions, the CELOS X app-based control system and energy-efficient operation.

World premiere: CTX 750|1250 - top performance and precision thanks to 6-sided complete machining

The Machining Transformation (MX), with which DMG MORI is shaping the future of machine tool manufacturing, has a direct influence on product development. This is demonstrated by the sixth generation of CTX universal turning machines. As the latest addition to the series, the CTX 750|1250 sets new standards in the areas of performance, precision and energy efficiency. On an area of just 11.7 m², it offers sufficient space for ø 700 x 1,290 mm workpieces. The combination of left and right spindles, the optional Y-axis with +/- 85 mm travel and the driven tools with up to 6,000 rpm ensures productive 6-sided complete machining of demanding geometries with maximum precision using integrated processes. The highly rigid machine concept of the CTX 750|1250, linear guides up to 55 mm wide, integrated cooling measures and direct measuring systems from Magnescale guarantee positioning accuracies of 6 µm and 12". The spindles of the CTX 750|1250 play a major role in the high-performance machining.

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Image selection:



30 years of DMG MORI Open House in Pfronten - over 100 years of precision and innovation at the largest European production site.



In the XXL Factory, visitors can experience the assembly of high-end machining centers such as the DMU 600 P and DMC 340 FD μ Precision live.

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Machining of an engine block on the DMU 75 monoBLOCK with PH Cell 300.



The modular PH Cell 500 offers space for up to 32 pallets, each measuring 400 x 400 mm. The rotating set-up station and touchscreen control ensure a high level of ergonomics and simple operation.

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The e-PALLET has a smart interface for controlling electrical and hydraulic devices.



Clamping Master supports intuitive operation.

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30 years of the Pfronten in-house exhibition - over 100 years of precision and innovation at Europe's largest production site: Productive and sustainable into the future of manufacturing.

Company Profile // DMG MORI

DMG MORI is a leading global manufacturer of high-precision machine tools and is represented in 43 countries – with 116 sales and service locations, including 17 production plants. In the “Global One Company”, more than 13,000 employees are driving the development of holistic solutions in the manufacturing industry. Under the guiding principle of Machining Transformation (MX), DMG MORI combines four pillars for the efficient, sustainable production of the future: Process Integration, Automation, Digital Transformation (DX) and Green Transformation (GX).

DMG MORI stands for innovation, quality and precision. Our portfolio covers sustainable manufacturing solutions based on the technologies Turning, Milling, Grinding, Boring as well as Ultrasonic, Lasertec and Additive Manufacturing. With technology integration, end-to-end automation and digitization solutions we make it possible to increase productivity and resource efficiency at the same time.

At our production sites worldwide, we realize holistic turnkey solutions for the main sectors of aerospace, automotive, die & mold, medical and semiconductor. With the DMG MORI Qualified Products (DMQP) partner program, we offer perfectly matched peripheral products from a single source. Our customer-oriented services cover the entire life cycle of a machine tool – including training, repair, maintenance and spare parts service.

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