

DMG MORI

Press
Information



**NEVER
STOP**

**MANUFACTURING
THE FUTURE.**



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DMG MORI at AMB 2026

Best Fit Portfolio (BX) and MX Solutions for Scalable Manufacturing

Munich. Under the motto “Never Stop Manufacturing the Future,” DMG MORI will highlight the need for cost-effective and flexible manufacturing at AMB 2026 in Stuttgart (Hall 10). For the first time, the company’s trade show presentation will center on its BX solutions (Best Fit Machines), which combine proven machines into a cost-effective and standardized offering. Together with the established MX solutions for highly automated and digitized processes (Machining Transformation), the company thus offers a seamless, holistic portfolio that is precisely tailored to customers’ individual requirements, budgets, and levels of automation. Customers gain the flexibility to further develop their manufacturing operations throughout the entire machine lifecycle, from cost-effective entry-level solutions to highly automated production.

Flexibility Amid Rising Cost Pressures

Rising cost pressures, smaller batch sizes, and the need for skilled personnel are posing challenges for the manufacturing industry. The trend is shifting away from rigid, large-scale systems toward flexible, universal machines that can be automated step by step to meet specific needs. DMG MORI is responding to this market reality: With the clear positioning of its BX and MX solutions, companies get exactly the tool they need. The product range extends from efficient standalone machines designed to manage cost pressures to highly automated premium systems for complex processes. To further preserve companies’ liquidity, the manufacturer’s in-house DMG MORI Finance Team supports this transition with customized leasing and financing models. In addition, the “Used Machines” concept allows companies to trade in existing machines that are no longer operating at full capacity as attractive start-up financing for new investments.

Best fit Machines (BX): Proven Technology for Cost-Effective Manufacturing Processes

The BX concept is aimed at companies, particularly small and medium-sized enterprises (SMEs) and contract manufacturers, that demand the highest standards of machining quality but are initially looking for a cost-effective solution without an immediate need for complex, fully automated systems. The Best Fit Machines combine globally proven, high-precision machine technology with a modular, ready-to-use product concept. The combination of proven technology, high availability, and long-term investment security is a key feature of the BX portfolio. The new 5-year warranty on selected core components also contributes to this. Depending on the machine type, it covers key components such as turnMASTER spindles, turretMASTER turrets, or the ERGOline X control panel. It provides additional planning certainty and reduces investment risk, particularly for SMEs and contract manufacturers. Among the BX highlights at the Stuttgart trade show are the new DMV 160 for vertical milling,

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the CLX 450 for turning, and the DMX 80 U for 5-axis machining. Most Best Fit Machines are compatible with the CELOS X control system, allowing companies to flexibly expand their initial investment with automation and digital modules at a later date. The machines then grow over time to meet the company's evolving needs.

Full Innovative Potential: Technology Cycles for Job Shops

At DMG MORI, cost-effective "Best Fit Machines" do not mean sacrificing innovation. They offer full access to DMG MORI's exclusive technology cycles. These cycles significantly simplify complex machining operations and increase value creation. The Gear Package ALL IN 2.0 is an excellent example of this: With cycles such as gearBROACHING, job shops can, for example, produce sophisticated gear teeth on a CLX 450 without having to invest in a separate, expensive gear-cutting machine. In this way, DMG MORI underscores its commitment to continuous value enhancement: Even proven machines gain in performance over their lifecycle through software updates and can continue to operate economically.

BX and MX: A Seamless, Future-Proof Ecosystem

At DMG MORI, BX and MX are not separate entities but rather form an integrated system that grows alongside the customer. Instead of replacing machines after a few years, customers can adapt them to their increasing demands through modular expansion stages and complementary digital services: Based on a cost-effective initial investment, step-by-step expansion is possible all the way up to an autonomous high-end cell.

Most BX machines are already equipped to support the cutting-edge CELOS X control system and can be flexibly automated as demand grows. They thus serve as a fully-fledged and scalable component of Machining Transformation (MX), ensuring that companies always remain at the forefront of manufacturing technology. While the BX series focuses on cost-effective manufacturing, MX solutions address highly automated production environments with maximum process integration, digital connectivity, and autonomous manufacturing.

At the same time, the BX machines are the ideal complement to existing high-end production lines: In already highly automated MX environments, BX machines serve as an efficient, robust capacity expansion for machining simpler workpieces. This allows the complex MX machining centers to be reserved specifically for demanding, automated processes.

"The BX machines are our response to the growing demand for high-performance, scalable manufacturing solutions whose capabilities grow alongside the company," explains Dr. Harald Neun, Executive Officer at DMG MORI. "With our Best Fit Machines, we offer a cost-effective entry point into the DMG MORI world. Thanks to seamless integration with our MX solutions and CELOS X, we give our customers the assurance that their investment is future-proof and can grow along with their needs."

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MX – MACHINING TRANSFORMATION
FOR AN EFFICIENT AND
SUSTAINABLE MANUFACTURING

PROCESS
INTEGRATION

AUTOMATION

DX – DIGITAL
TRANSFORMATION

GX – GREEN
TRANSFORMATION

MX
MACHINING TRANSFORMATION

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DMG MORI's Machining Transformation (MX) combines state-of-the-art machine technology with end-to-end automation and digitization to achieve maximum efficiency.



Five-Axis Precision: The DMX 80 U from DMG MORI offers cost-effective and flexible 5-axis machining within the BX portfolio.

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World premiere: DMV 160

Precise vertical milling up to 1,600 mm in length

Munich. With the new DMV 160, DMG MORI is expanding its series for productive and high-precision 3-axis vertical machining. Its stable design, a rigid table with a loading weight of 2,200 kg and travels of 1,600 x 700 x 550 mm are primarily aimed at customers who also need to mill or drill large components quickly and precisely. Like its smaller sister models, the DMV 160 is also geared towards the requirements of modern production in demanding industries such as Die & Mold, Automotive or Aerospace. A tool magazine with up to 120 pockets (SK40), the standard version has 30, and compatibility with pallet handling systems such as the PH Cell 300 guarantee cost-effective production with short non-productive times.

Robust design for maximum dynamics

The DMV 160 is based on a monolithic machine frame with solid cast parts and roller guideways in all axes. This means the machine remains stable and precise even in case of very demanding applications. The feed rate of 42 m/min secures high dynamic and reduced cycle times. The available spindles ensure high-performance machining: starting from inlineMASTER 15,000 rpm, through speedMASTER 15.000 rpm HT (High Torque) & 20.000 rpm, ending at powerMASTER which has a torque of 430 Nm for heavy-duty machining of titanium alloys or stainless steel - all with BIG PLUS interface and 36 months warranty. Thanks to direct drives in all axes, direct path measuring systems and a positioning accuracy of 4 µm, the DMV 160 delivers consistently precise results. An active cooling system for selected components ensures thermal stability even with long running times.

Machining Transformation (MX): Networked, automated and future-proof

DMG MORI has developed the DMV 160 with the pillars of Machining Transformation (MX) in mind to support any future-proof production. CELOS X on the intuitively operated, 24" ERGOline X panel creates the perfect basis for networked and digitalized production. It allows seamless integration into company networks, which further advances the Digital Transformation. Programming with graphical display is supported by either a Sinumerik ONE or a HEIDENHAIN TNC 7. DMG MORI implements autonomous production by connecting the pallet handling systems PH 150, PH Cell 300 or PH Cell Twin in order to connect a second machining center. Workpiece handling is performed by a Robo2Go Milling if required. The DMV 160 can also be easily integrated into a shop floor with driverless transport systems such as the PH-AMR 750. Thanks to its energy-saving and resource-conserving operation, the DMV 160 also promotes the Green Transformation (GX) towards more sustainable production.

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With travels of 1,600 x 700 x 550 mm, the DMV 160 from DMG MORI enables vertical milling and drilling of large components for Die & Mold, Automotive and other demanding industries.

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easyFIX

Automated Clamping for Consistent Processes

Munich. Manual clamping and unclamping of workpieces results in significant non-productive time, particularly during shorter machining cycles. DMG MORI reduces this non-productive time with the easyFIX, a vise featuring automated clamping range adjustment for the WPH workpiece and pallet handling system, as well as the Robo2Go and WH Cell workpiece handling systems. The WPH version is designed for a zero-point clamping system and is equipped with a SCHUNK coupling for fixture changeover. In the case of Robo2Go and WH Cell, the easyFIX is mounted directly on the machine table.

Both versions of the easyFIX are available in two sizes: The easyFIX 100 can be pneumatically adjusted from 0 to 100 mm and has a clamping force of 30 kN. The maximum workpiece dimensions with the standard jaws are 110 x 150 x 190 mm. Optional clamping jaws are available that allow for a workpiece length of 175 mm. The easyFIX 210 is designed for a clamping range of 0 to 210 mm and operates either pneumatically at 10 bar or hydraulically at 80 bar. The clamping force is 45 kN or 50 kN, respectively. It can accommodate workpieces measuring 230 x 200 x 150 mm.

Clamping width adjustment using a special tool

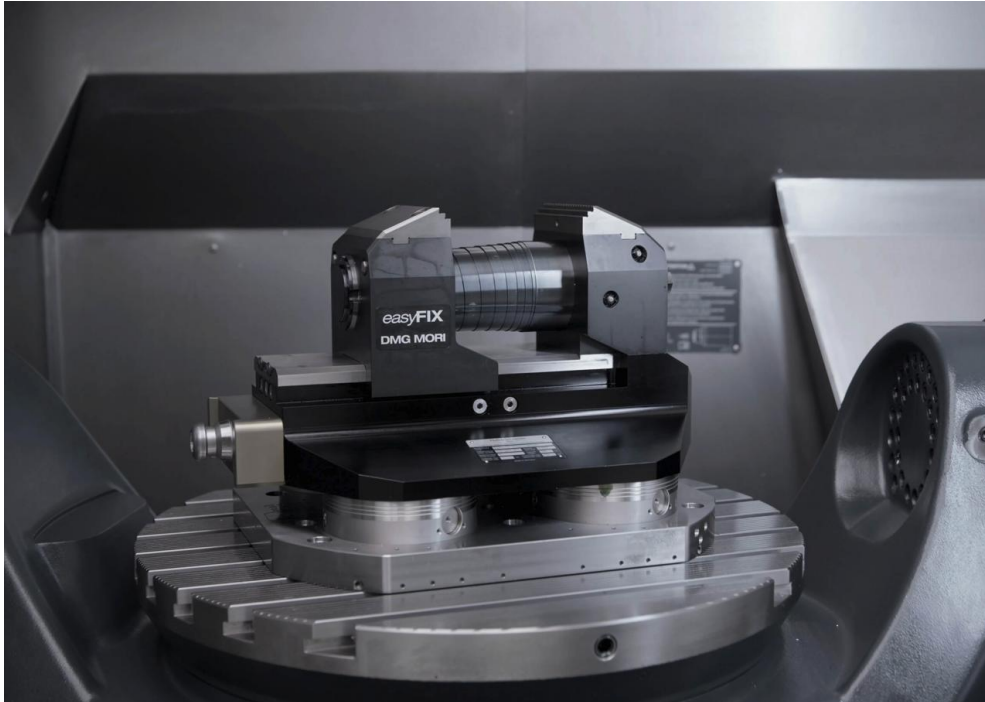
The automated clamping process with the easyFIX begins with the probe determining the actual position of the vise. The required clamping width is then set. This is done automatically using a special tool in the spindle. Manual adjustment is also possible. The target position is then checked once more by the probe before the robot loads the workpiece. This is followed by a pneumatic or hydraulic clamping stroke of up to 4.5 mm, after which machining of the securely clamped workpiece can begin. The easyFIX ensures high process reliability through an optimized chip evacuation path and its easy-to-clean design. Automatic clamping is fully integrated into the machine control system, which allows DMG MORI to simplify handling and enhance ease of use.

The easyFIX's wide adjustment range gives the vise maximum flexibility in diverse and automated manufacturing. In addition, other configurations are possible, such as an easyFIX pyramid that accommodates two vises and thus two workpieces as well as a dual-vise version designed to clamp larger workpieces.

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The easyFIX automatic from DMG MORI vise clamps workpieces in automated manufacturing processes without the need for manual intervention.

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probeSET

Automated probe calibration in one minute

Munich. In modern manufacturing, precise measurements of machines and components are crucial for maintaining consistent production quality. To ensure reliable measurements, the probe must be calibrated regularly. This is required not only when changing probes or making adjustments to the tool holder or spindle, but also in the event of significant temperature changes. With the probeSET, DMG MORI has developed a system for calibrating the probe that requires no manual intervention. Without the need for manual clamping when setting the probe pin (Z-pin) to zero, calibration takes place within the machine's enclosed workspace and can be fully automated via a technology cycle. The user-friendly process ensures high accuracy in all machine operations.

Quick and easy to use

The probeSET's calibration sphere sits directly on the movable Z-pin, which reduces the number of mechanical components and shortens cycle times compared to other designs. It also makes it easier to achieve high precision. During calibration, the probeSET determines the probe center offset, the probe radius, and the probe length, as well as 3D measurement points if required. The measurement results are output as a report and stored in a continuous history.

With a cycle time of 60 seconds on a DMU 65 monoBLOCK, the probeSET is significantly faster than conventional calibration solutions. The risk of operator errors is minimized thanks to its ease of use and the automated process. At the same time, it prevents inaccuracies that can occur with standard procedures where deviations of more than 8 µm may arise. The probeSET includes the hardware, including the fixture, as well as the associated technology cycle. It is available for machining centers in the monoBLOCK, H monoBLOCK, duoBLOCK, and Portal series, as well as for the DMU Gantry models and the DMU/DMC 55 H TWIN.

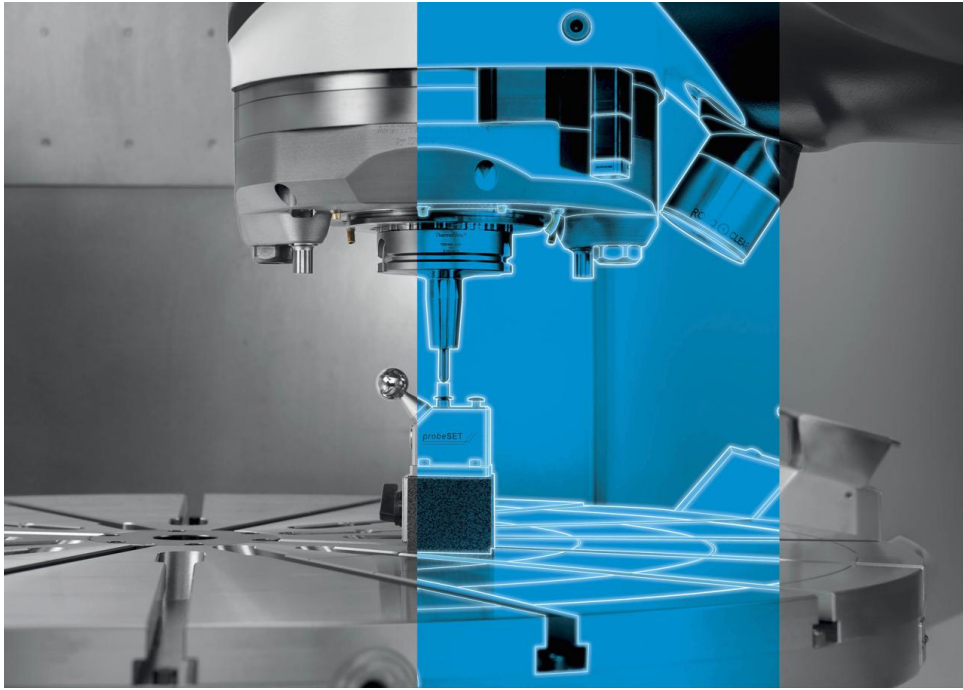
The Path to High-Precision Prefabricated Parts

The fast and highly accurate calibration of the probe using probeSET is one of three calibration solutions in the DMG MORI product portfolio that support high-precision part machining. VCS Complete 2.0 enables the monitoring and recalibration of volumetric accuracy. The 3D-quickSET 2.0 checks and optimizes the 5-axis kinematics, specifically the rotary and swivel axes. The combination of all three solutions paves the way for high-precision part manufacturing.

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DMG MORI's probeSET enables fast, automated calibration of the probe.

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Technical Article: Process integration, technology cycles, automation, adaptive measurement technology, and digital work planning

Machining Transformation (MX) Live: End-to-End Automation and New Technology Highlights

Munich. From September 15 to 19, 2026, DMG MORI will present innovations for seamless and efficient manufacturing processes at the AMB in Stuttgart. Under the theme “Never Stop Manufacturing the Future,” the company will showcase 20 machines in Hall 10 across more than 2,100 m² of exhibition space, most of which will be operating live in an automated environment.

The technological focus is on the practical refinement of proven technologies directly on the machine, in the CNC control system, and in production planning. The solutions presented at AMB are not isolated, individual innovations, but rather coordinated building blocks that enable the continuous development of machines, processes, and manufacturing expertise throughout their entire life cycle.

The trade show highlights presented focus on specific optimizations along the entire process chain: Through in-depth process integration, such as grinding integration across different control platforms, new technology cycles for gear cutting, and closed-loop control in adaptive measurement, manual interventions can be significantly reduced. These updates specifically help manufacturing companies machine complex components more cost-effectively, ensure quality through automation, and make manufacturing knowledge digitally accessible on the shop floor.

The innovations presented here directly contribute to DMG MORI's Machining Transformation (MX), which forms the technical and strategic foundation for the guiding motto “Never Stop Manufacturing the Future.” It combines the four pillars of process integration, automation, Digital Transformation (DX), and Green Transformation (GX) into a holistic approach that enables customers to progressively develop their manufacturing operations throughout the entire lifecycle of their machines:

- **Grinding as an integrated process:** A key focus is the combination of milling, turning, and grinding in a single setup to reduce setup changes and cycle times. New for AMB is the availability of integrated grinding for machines with HEIDENHAIN controls, which makes the technology usable across different control systems.
- **Technology Cycles:** New features without additional hardware investments: The Gear Package ALL IN 2.0 is making its debut at AMB and is positioned as a true innovation. With eight fully integrated gear-cutting cycles (such as gearBROACHING), complex gear teeth can now be machined directly on standard turn-mill machines, eliminating the need to purchase an expensive specialized machine. At the same time, Interpolation Turning 2.0 offers tremendous added value: It now enables the high-precision machining of complex, asymmetrical contours using only axis interpolation, which minimizes setup times and eliminates the need for special tools. These cycles demonstrate how the capabilities of existing machines can be specifically expanded

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through updated software and newly integrated process knowledge, without the need for new investments in specialized hardware or new machines.

- The continuous development of machines does not end with commissioning. In addition to new software features, technology cycles, and automation solutions, DMG MORI provides additional investment and planning security throughout the entire machine lifecycle with its **5-year warranty** on select core components.
- Another highlight for autonomous manufacturing is the integrated **AI Chip Removal** system, which will be demonstrated live on the 3. Generation NTX 2500. Intelligent algorithms detect chip pockets in the work area and precisely control the movement of the flushing nozzles during machining. By continuously optimizing the flushing strategy while remaining extremely easy to operate, the system ensures robust, trouble-free complete machining and prevents unplanned machine downtime.
- **Adaptive Measurement:** Closed-Loop Control in Automation: DMG MORI presents a fully automated manufacturing cell featuring the new MATRIS WPH loading robot and the Renishaw Equator adaptive measuring system. Components are measured automatically, and the results are fed back directly to the machine as correction data. This closed-loop control enhances process stability and minimizes scrap rates.
- **Scalable automation for any batch size:** In addition to the MATRIS cell, DMG MORI is showcasing its broad portfolio of automation solutions. Solutions such as the proven Robo2Go, the modular PH Cell, and the WH Cell demonstrate pathways to autonomous, unmanned manufacturing. The company is also focusing on automation retrofits. These enable customers to upgrade high-performance existing machines beyond their original factory specifications and operate them more cost-effectively through new automation options.
- **Digital Work Planning:** Digital work planning is the foundation of efficient and safe manufacturing. The focus is on the seamless integration of design, NC programming, and machine tools throughout the entire digital process chain. As the link between programming and the machine, the DMG MORI postprocessor demonstrates how machine-specific expertise is directly incorporated into the NC programs. Seamless digital processes, simulations, and optimizations increase efficiency and process reliability throughout the entire manufacturing chain. Since the software and machine come from a single source, they are optimally coordinated with one another and enable the machine's full potential to be realized.

A Live Experience at the Trade Show: The New DMV 160

These technological milestones can be experienced firsthand at AMB: The new DMV 160 vertical milling machine is the show's main highlight, making its trade show debut. Equipped with the new CELOS X control system, it provides the perfect, highly productive foundation for Machining Transformation (MX) and serves as a hands-on exhibit at the booth to demonstrate many of the new cycles and automation solutions in action. The DMV 160 will be demonstrated

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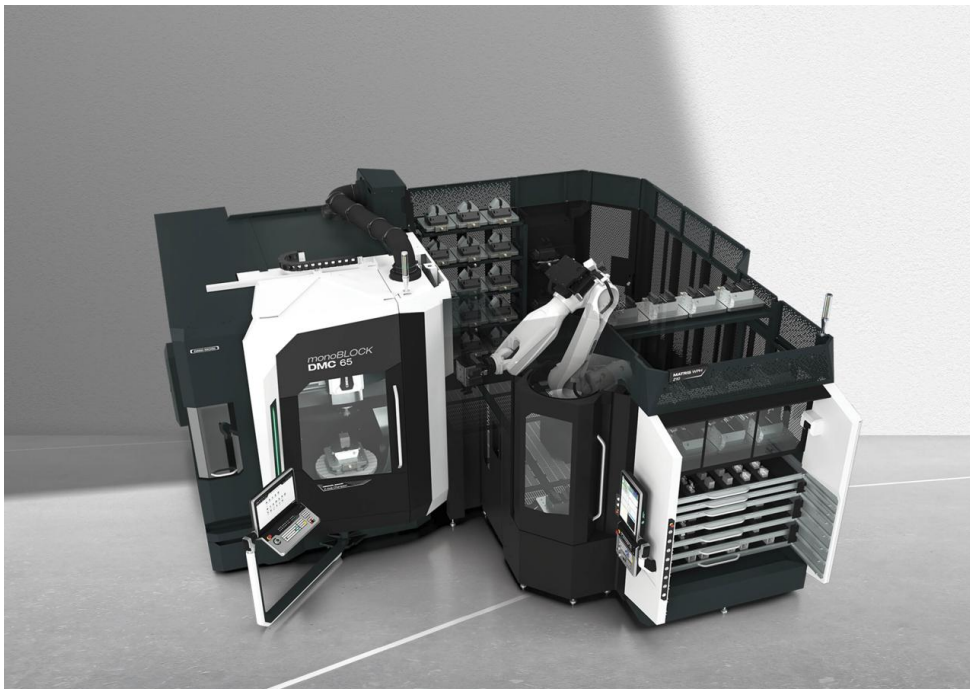
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in conjunction with the PH-AMR 750: This driverless, collaborative transport system ensures fully autonomous pallet handling in the tightest of spaces, without requiring fixed rails or safety fences in the production layout.

Holistic Connectivity for the Manufacturing of the Future

The technologies presented complement DMG MORI's overarching digitization strategy by providing concrete applications for day-to-day manufacturing practices. The new, future-proof CELOS X manufacturing platform takes center stage as a key topic for the future at AMB. As a digital manufacturing operating system (DX), together with the no-code solution TULIP and integrated solutions for digital work planning and NC programming it enables the seamless, secure networking of machines, process data, and employees on the shop floor, thereby laying the foundation for data-driven optimizations.

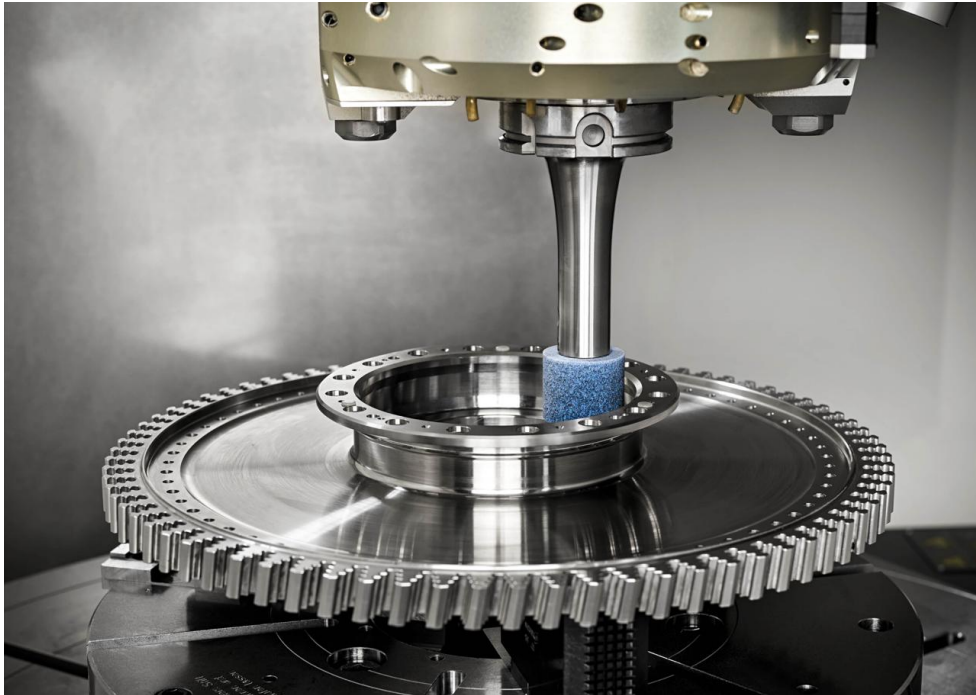
"Our customers face the challenge of making existing manufacturing processes more productive, flexible, and safe. At AMB, we'll demonstrate how our consistent development efforts address exactly that: end-to-end automation, deep process integration directly at the machine, and digital planning," says Dr. Harald Neun, Executive Officer at DMG MORI, summarizing why a visit to the trade show booth is worthwhile. "Whether it's process integration, technology cycles, adaptive measurement technology, automation, or digital job planning: Our highlights at AMB demonstrate how customers can continuously advance their manufacturing, step by step. That is exactly what we mean by 'Never Stop Manufacturing the Future.'"



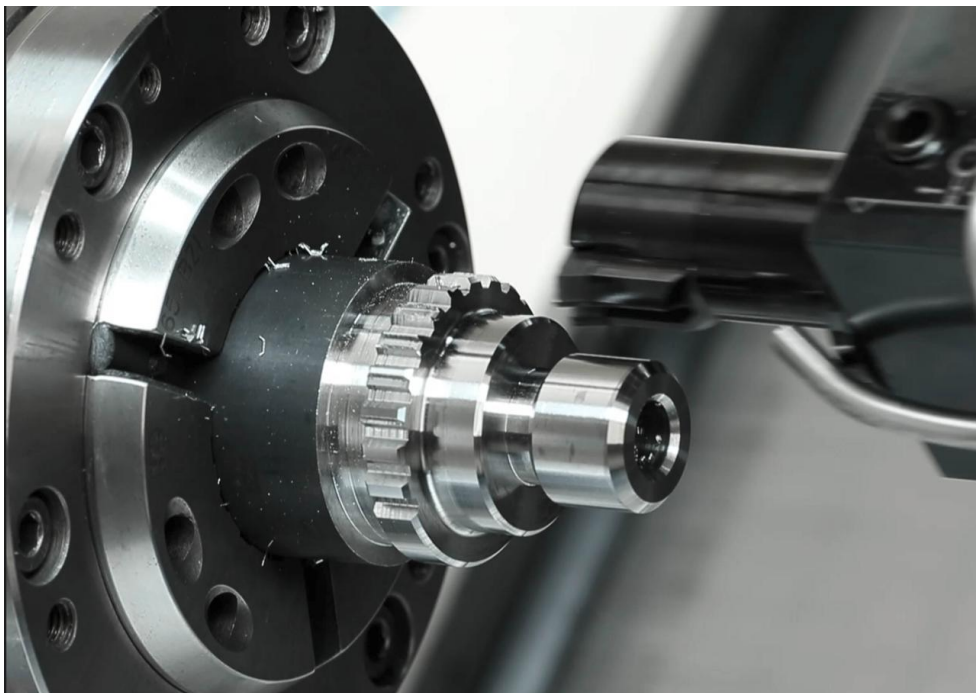
Maximum autonomy with MATRIS WPH: This innovative loading robot from DMG MORI, shown here in operation on a DMC 65 monoBLOCK, handles automated workpiece handling and feeding to external stations, such as adaptive measurement systems, ensuring reliable production without manual intervention.

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Grinding integration now available for HEIDENHAIN as well: With the availability of grinding and dressing cycles on the HEIDENHAIN control, DMG MORI makes integrated, complete machining possible across different control platforms.



With DMG MORI's gearBROACHING technology cycle, even complex internal and external profiles with small diameters or deep bores can be reliably integrated into standard turn-mill centers.

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Company Profile // DMG MORI

DMG MORI is a leading global manufacturer of high-precision machine tools and is represented in 45 countries with 128 locations, including 18 production plants. In the "Global One Company", around 13,500 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, drilling 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 Aviation & Space, Data & Semiconductor, Die & Mold, Mobility, and Medical. With the DMG MORI Qualified Products (DMQP) partner program, we offer perfectly matched peripheral products from a single source. Our customer-oriented offerings cover the entire life cycle of a machine tool – including training, repair, maintenance and spare parts service.

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