

Contact Technical Communication:  
Eva Manzenreiter  
DMG MORI Global Marketing GmbH

eva.manzenreiter@dmgmori.com  
dmgmori.com

---

World premiere: DMU 60 eVo 2. Generation

## Revolution in 5-axis universal machining

**Munich.** 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).

### Maximum flexibility, precision at the highest level

The DMU 60 eVo 2. Generation can be used flexibly in numerous industries and meets the highest requirements for accuracy in the micrometer range (4 µm in the circular form test). Whether for the smallest tolerances or fast, highly productive machining - the reliability and precision of the machine meet every industrial requirement and are unique in its segment. With an extended work area and a table load limit increased by 100 kg (up to 500 kg), the DMU 60 eVo 2. Generation makes a major contribution to future-proof production in a wide range of applications.

### Robust construction and cooling technology for constant precision

A stable and temperature-controlled machine bed made of hybrid mineral casting and the gantry design give the new DMU eVo generation its exceptional rigidity as the basis for high-precision machining. The thermo-symmetrical design and a comprehensive cooling concept keep critical components at a constant temperature, including the guide carriages, the Y-slide, the headstock and the B-axis. This guarantees maximum positioning accuracy and thermal stability. The DMU 60 eVo 2. Generation is also available as a µPrecision version, enabling it to machine even the most demanding precision components with high accuracy. The complete enclosure of the work area prevents coolant contact and increases the service life of the machine, while direct-drive ball screw drives and linear motors ensure high dynamics and also contribute to precision.

### Powerful spindle portfolio

The DMU 60 eVo 2. Generation spindle portfolio joins the ranks of efficiency and precision-enhancing features. It offers speeds of up to 40,000 min<sup>-1</sup> and includes speedMASTER models in various performance classes. High-speed spindles with a cooled shank produce the best surfaces - also with the highest precision, so that the universal machining center can also competitively meet applications in the most demanding industries.

---

Contact Technical Communication:  
Eva Manzenreiter  
DMG MORI Global Marketing GmbH

eva.manzenreiter@dmgmori.com  
dmgmori.com

---

## Productive thanks to flexible automation solutions and large tool magazine

The competitiveness of the DMU 60 eVo 2. Generation is also increased by its compatibility with all DMG MORI automation solutions, such as the WH Cell workpiece handling system, Robo2Go Milling or PH Cell pallet handling. The space-saving machine layout (the footprint has been reduced by 20 percent) allows optimum integration into production. The large tool magazine with up to 300 pockets makes the DMU 60 eVo 2. Generation an ideal solution for highly dynamic and precise 5-axis simultaneous machining in automated production. Thanks to an innovative tool shutter, the chip-to-chip time has been reduced by one second to just 4.5 seconds, which further increases the machine's efficiency.

## Large workspace, perfect ergonomics and ease of use

The DMU 60 eVo 2. Generation is easily accessible for both manual operation and crane loading thanks to the ergonomic, straight work area door. Compared to its predecessor, the work area is 40 percent larger at 750 x 550 x 550 mm, which allows a wide range of components to be processed. A large swivel range and optimum chip removal with steep inclines and a 20 percent wider conveyor ensure reliable production with perfect chip fall. In addition, all maintenance-relevant components are user-friendly and accessible without a ladder.



With an accuracy in the micrometer range, the DMU 60 eVo 2. Generation is a milestone in high-precision and flexible 5-axis universal machining.

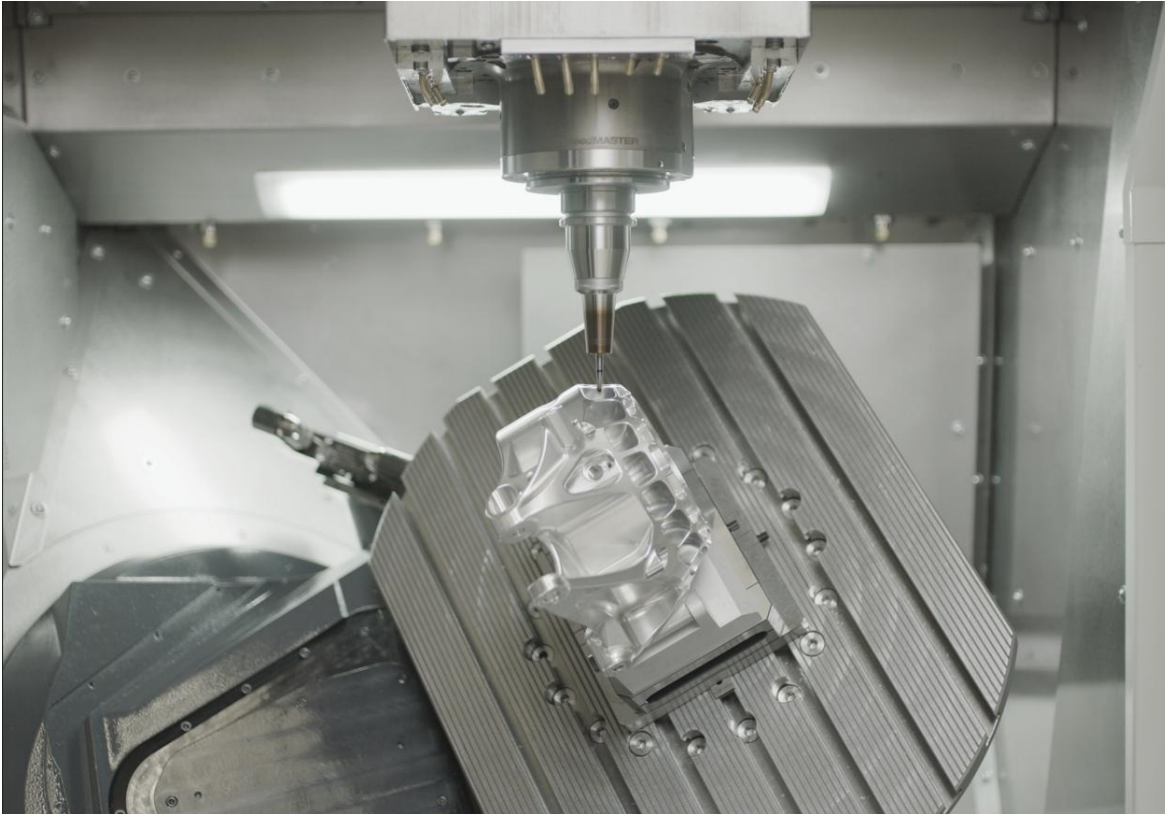
---

**Contact Technical Communication:**

Eva Manzenreiter  
DMG MORI Global Marketing GmbH

eva.manzenreiter@dmgmori.com  
dmgmori.com

---



The DMU 60 eVo 2. Generation offers a working area of 750 x 550 x 550 mm and a large swivel range.

**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.

*DMG MORI Global Marketing GmbH | Walter-Gropius-Str. 7 | 80807 Munich  
Managing Director: Irene Bader  
Commercial register no.: HRB 213234, Local Court Stuttgart*