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Digital Transformation (DX)

DMG MORI sets new standards in digital transformation at EMO

Munich. For 50 years, EMO has been regarded as a global barometer for innovation in the machine tool industry. This year, there is a special focus on the future of CNC manufacturing. DMG MORI is paving the way with its Machining Transformation (MX) strategy and its four pillars: Process Integration, Automation, Digital Transformation (DX), and Green Transformation (GX).

During EMO, the DX Office and the Shopfloor Hub will present the latest developments and generations of digital solutions to the trade fair audience. The focus will be on technological, economic, and sustainability issues—this time specifically from the perspective of small and medium-sized enterprises in the industry. The challenge of skilled labor shortages will be addressed, as will new ways to achieve greater energy efficiency and meet increasing knowledge and quality requirements.

How DMG MORI is digitally redefining CNC manufacturing

CELOS X, GREENMODE, new DMG MORI technology cycles on demand, proprietary CAM add-ons for efficient programming, and the next evolutionary stage of the *my* DMG MORI customer portal are just a few of the highlights that underscore this claim. Overall, this creates a unique perspective on how digitization can already take ease of use, productivity, and resource efficiency to a new level and become a strategic tool for shaping the future.

CELOS X: The sustainable manufacturing platform

With the latest version of CELOS X, DMG MORI is focusing even more strongly on intuitive operation, simple partner and data integration, energy management, and maximum process reliability overall. Particularly noteworthy is the new Tool Master app, which revolutionizes tool setup with guided work steps and automatic magazine positioning.

The optional Tool Data Exchange interface also enables fast data import from presetting devices such as those from HAIMER. The added value is impressive: setup times can be reduced by up to 80 percent, while at the same time reducing the requirements for operator qualification and experience. This means that even less experienced employees can handle complex tasks and help to make processes more effective and efficient.

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CELOS X apps for Green Transformation (GX)

The new GREENMODE measures in the CELOS X applications help companies analyze, document, and actively reduce their energy consumption. Three specialized apps form the core of this sustainable solution:

- Energy Monitoring provides detailed energy and CO₂ analyses down to the workpiece level, including cost factors and export functions. This represents an enormous gain in transparency and knowledge with regard to new ESG requirements and the EU's "Ecodesign for Sustainable Products Regulation."
- Energy Saving enables the intelligent shutdown of machine components in standby mode. At the same time, the integrated warm-up function ensures that machine accuracy is not compromised despite energy savings.
- Air Leakage Monitoring automatically detects compressed air leaks, helping to massively improve the energy balance in CNC manufacturing.

The three CELOS X apps will be available from EMO 2025 for machines with CELOS X and common controls such as Siemens, HEIDENHAIN, and MAPPS.

DMG MORI Technology Cycles on demand – Added value per hour

Technology cycles are only valuable when they are needed. However, some cycles are rarely used. Instead of having to cover every eventuality with a full license, DMG MORI will be offering temporary and flexible activation of selected DMG MORI technology cycles via the *my DMG MORI* customer portal starting at EMO. Users can thus utilize technology cycles and flexible payment options according to their needs.

my DMG MORI: Digital customer center with self-service solution

The *my DMG MORI* customer portal acts as a comprehensive digital customer center—from troubleshooting to technology optimization. One of the most significant innovations is self-service: based on error codes, users receive specific instructions for solving problems independently. This functionality not only reduces downtime, but also strengthens users' autonomy in dealing with DMG MORI's high-tech machines.

Digitization as a strategic element for the future

DMG MORI does not view digitization as an additional function, but rather as the foundation of modern CNC manufacturing—and thus as a cornerstone of Machining Transformation (MX). DMG MORI understands that competitiveness in CNC manufacturing is based on the interplay between innovative machines and the ability to continuously improve them and provide software support. Digital access to the machine is therefore fundamental throughout its entire life cycle and represents the real competitive advantage in future-proof CNC manufacturing.

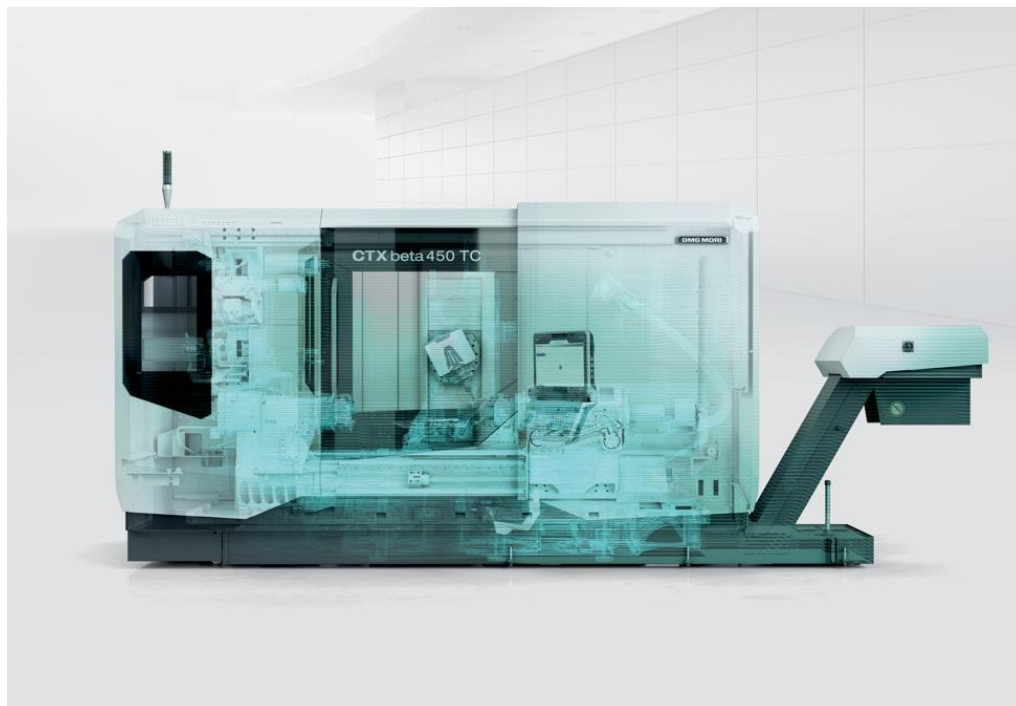
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In the latest version, CELOS X offers new apps such as the Tool Master with guided steps for setting up tools and the Tool Data Exchange, which enables quick and accurate data import from presetting devices.



The new GREENMODE measures in CELOS X applications help companies to analyze and actively reduce their energy consumption.

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myDMG MORI now offers a self-service: Based on error codes, users receive specific instructions on how to solve problems independently. This functionality not only reduces downtimes, but also increases the autonomy of users in dealing with their machines.

Company Profile // DMG MORI

DMG MORI is a leading global manufacturer of high-precision machine tools and is represented in 44 countries – with 124 sales and service locations, including 17 production plants. In the “Global One Company”, more than 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, 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 implement holistic turnkey solutions for the main sectors of aviation & space, automotive & e-mobility, 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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