

Global Corporate Communications

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Experience machine tool manufacturing as the foundation of global industries in Hanover

DMG MORI at Hannover Messe for the first time: How industrial transformation begins in manufacturing

Munich. Industrial change begins in manufacturing. Digitization, automation, and artificial intelligence are transforming production processes worldwide. DMG MORI focuses on how modern production can respond to these changes at the Hannover Messe trade fair 2026.

“We build the future” – manufacturing as the key to transformation

Under this motto, DMG MORI in Hanover is highlighting the role that modern manufacturing plays in the competitiveness of modern industries worldwide. The focus is on integrated production solutions that combine machines, automation, software, and artificial intelligence, thereby driving forward the transformation of industrial value creation.

“In times of profound transformation, industry needs one thing above all else: stable and reliable production systems. Our task as a machine tool manufacturer is to create this foundation. With precise machines, integrated automation, and digital solutions that give our customers worldwide planning security and long-term competitiveness,” says Dr. Irene Bader, Member of the Board at DMG MORI.

At the center of the trade fair booth is a demonstration model of a DMU 340 Gantry 5-axis milling machine as a walk-in exhibit. This machine represents the performance capabilities of modern machine tools: it can machine large workpieces weighing up to 30 tons and combines enormous machining capacity with maximum long-term precision. At the Hannover Messe, it is the technological centerpiece of the booth and the starting point for demonstrations, process visualizations, and multimedia insights into the manufacturing of the future.

Rethinking manufacturing with Machining Transformation

DMG MORI shows how this future unfolds with its Machining Transformation (MX) strategy. It stands for a holistic approach that no longer considers manufacturing in isolation on individual machines, but across the entire industrial process. The aim is to further develop productivity, quality, and sustainability along the entire CNC process chain by integrating multiple machining steps on one machine, automation solutions, and digital products.

From idea to component: AI in the CNC process chain

At the Hannover Messe, DMG MORI is using a turn-mill showcase to demonstrate what this integrated manufacturing process looks like in reality. The focus is on the rear keel bearing from a competitive IMOCA ocean-going yacht. The component is exposed to extreme stresses on the world's oceans and is an example of highly complex structural components, such as those required in aerospace, medical technology, and energy plant construction.

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This example clearly illustrates the contribution that artificial intelligence can make along the entire CNC process chain: from work preparation and machining to the analysis of process, quality, and energy data. AI-supported technology cycles stabilize machining processes, integrated in-process measurement technology increases process reliability, and the consistent use of production data forms the basis for digital process chains and future digital twin applications.

Solutions for key industries

Beyond the showcase, DMG MORI focuses on key industrial sectors in which precise and highly integrated manufacturing plays a key role. The focus is on aviation & space, mobility, and medical areas in which technological excellence, the highest quality requirements, and efficient production processes are crucial for innovation and competitiveness.

Showing specific customer applications, DMG MORI explains how integrated machine concepts, automation, and digital applications contribute to the economical and reliable production of sophisticated components. The examples range from highly stressed structural components for aviation and space to components for modern mobility solutions and precision parts for medical technology. This demonstrates how technological solutions from the machine tool industry enable innovation in key industries.

Machine tools in everyday life: A day with DMG MORI

Another highlight of the trade fair presentation is the “One Day With DMG MORI” format. It shows how closely modern societies are linked to industrial manufacturing, often without this being visible in everyday life. Many products that people use every day are created on machine tools or with technologies from DMG MORI.

Using a typical daily routine, the trade fair stand illustrates how often people come into contact with products whose manufacture is based on high-precision production. What often happens behind the scenes becomes visible at the Hannover Messe: technologies that often remain unseen but are crucial for the quality, reliability, and innovation of modern industries.

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