PRESS RELEASE

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Experience, evaluate and use technology

EMO Hannover 2025 makes the future of metalworking tangible

Frankfurt am Main, Germany, 17th June 25. – Automated machines, collaborative robots, 3D printing, artificial intelligence in data-driven process chains – the world of metalworking is changing rapidly. Recognizing development trends and maintaining an overview is a challenge. The crucial question remains how individual companies can assess the offerings correctly for themselves and use them profitably. EMO Hannover 2025 from September 22 to 26 will help you to decide.

For Dr. Markus Heering, Executive Director of EMO organizer VDW (German Machine Tool Builders' Association), EMO is much more than just a trade fair. "As a platform for dialog between all the international players in the industry – manufacturers and users –, the trade fair is unique since nowhere else can visitors find so much international expertise as at EMO," he says. This will not only be evident at the exhibitors' stands, but also at the lecture events and forums, as well as at the joint stands with focus topics that are of particular importance for the future of metalworking. There are plenty of opportunities to discuss experiences, network and get to know potential business partners.

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New business areas require broad expertise
There is a need for modernization in almost every factory or production facility. International competition is forcing companies to search for optimization potential. Rising costs, energy and raw material prices as well as the new targets for CO_2 emissions and the circular economy are considered to be the main drivers. Demanding applications such as in aerospace, medical technology or renewable energies require new technical expertise and a higher level of productivity and quality. In addition, the materials that are being processed are changing. High-performance or coated materials become thinner and lighter, stronger and more durable, and more resistant to corrosion and heat. Processing requires more specialist knowledge, which makes looking at digital solutions and AI particularly worthwhile in times of increasing skills shortages.

EMO Hannover will present possible solutions. Decision-makers can build on the experience of exhibitors and experts to reduce investment risks. Regardless of whether companies manufacture components for the production of diagnostic devices in medical technology or complex geometries for flight-critical parts in aviation, investments in production lines, robot technology or software can only pay for themselves if they increase productivity or open up new areas of business. This is all the more reliable if partners along the value chain can be found and cooperate with each other.

Automated metalworking is efficient and sustainable
The VDW cites automation, sustainability, digitalization and artificial intelligence as the most important development trends in metalworking. “Against the background of high-quality requirements and the shortage of skilled workers, automation is vitally important,” emphasizes VDW Executive Director Heering. Automated production should be easy to operate and flexibly adaptable to the individual needs of the user. It must enable both series production and economical single-piece production. Automation extends from simple solutions such as pallet changers and handling systems through to the use of robots and autonomous systems. The Cobot Area joint stand at EMO is explicitly dedicated to the potential uses and applications of collaborative robots.

On the one hand, sustainability is about the measures that can be taken to reduce the energy and material consumption of machines and any secondary and downstream processes. But it is also about the overall contribution that machines can make to CO_2 reduction and sustainable industrial production. “Mechanical engineering is an enabler of the climate-friendly transformation,” emphasized Bertram Kawlath, President of the VDMA (German Engineering Federation) in a recent interview. The Sustainability Area at EMO 2025 is a

meeting place to experience modern solutions for sustainable production. Exhibitors will provide information on how production can be trimmed for energy efficiency and how renewable energies, the circular economy and life cycle concepts can be integrated.

Digital process chains create transparency
Digital solutions relating to the IoT (Internet of things) and AI (artificial intelligence) will play a key role in making production more efficient in the future. More and more machines are being equipped with monitoring systems and sensors as standard to record data. Digitally networked process chains create transparency. “Intelligent” machines can predict whether a failure is imminent and enable predictive maintenance.

You can find out what EMO exhibitors have to offer in the way of technological solutions to make the future of metalworking profitable in the run-up to the trade fair on the EMO website at https://visitors.emo-hannover.de/en/landingpage/c-level. Here, exhibiting companies will successively report on what decision-makers from the metalworking industry can expect at their stand until the end of the EMO in September this year.

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Captions
bild_medizintechnik_2025-06 Adobe Stock/Andreas Koch
bild_luftfahrt_2025-06 Adobe Stock/ChaoticMind, AI-generated
EMO 2025 offers new machine solutions and services for all metalworking companies, e.g. medical technology, aerospace and many more.

EMO Hannover 2025 – The world’s leading trade fair for production technology
Under the motto “Innovate Manufacturing”, EMO will showcase the entire metalworking value chain from September 22 to 26, 2025. These are cutting and forming machine tools, manufacturing systems, precision tools, automated material flow, computer technology, industrial electronics and accessories. EMO takes place in a sequence of “Hanover – Hanover – Milan” every two years and will celebrate its 50th anniversary in 2025. Most recently in 2023, more than 1800 exhibitors attracted a good 92,000 visitors from all over the world to Hanover. As the most important platform for metalworking worldwide, the event stands for **innovation** – EMO is a source of inspiration and a global leader when it comes to new products, manufacturing solutions and services. **Internationality**: International market leaders from 45 countries exhibit at EMO. The trade visitors – from around 140 countries – come from all major customer industries such as mechanical and plant engineering, the automotive industry and its suppliers, aerospace technology, precision mechanics and optics, shipbuilding, medical technology, tool and mold making, steel and lightweight construction. **Inspiration**: No other trade fair presents the full breadth and depth of international manufacturing technology like EMO. Exhibitors and visitors with a high level of expertise discuss the megatrends in manufacturing, exchange ideas with representatives of international production research and develop solutions to existing challenges. The

future of metalworking: Innovate Manufacturing remains a constant challenge for the industry. EMO points the way to the limitless possibilities of industrial manufacturing.

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