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Siemens unveils MACHINUM at IMTEX 2025: delivers machine tool efficiency and sustainability

- **CNC digitalization portfolio MACHINUM is an integral part of Siemens Xcelerator to analyze and optimize machine tools**
- **MACHINUM makes digital, sustainable transformation easier, faster and scalable with Siemens Xcelerator**
- **MACHINUM aims to improve time to market up to 20% & reduce energy consumption up to 18%**

Siemens announced the launch of MACHINUM, a groundbreaking digitalization portfolio designed to accelerate the speed, agility, and endurance of the Indian machine tool industry, at IMTEX 2025. MACHINUM has the potential to reduce setup time up to 20%* and cycle times and energy consumption up to 18%**.

With the increased investment in India by high-end manufacturing units serving local and export markets, the Indian machine tool market is undergoing a significant digital transformation, driven by the adoption of advanced technologies to support this growth. The demand for sophisticated machine tools is fueled by the need for high precision, customization, and the integration of technology into manufacturing processes.

Achim Peltz, CEO of Siemens Motion Control, Digital Industries, Siemens AG, "As one of the technology players with integrated solutions across the entire value chain, one of our prime focus areas is to support the accelerated adoption of digitalization and help the industry move up the value chain through co-creation. With the launch of the MACHINUM portfolio, we are shaping the sustainable, digital, and future-proof transformation of the machine tool manufacturing ecosystem in India."

MACHINUM is an integral part of Siemens Xcelerator, the open digital business platform that includes a portfolio of software and IoT-enabled hardware, an ecosystem of partners, and a

marketplace. With MACHINUM, companies in the machine tool industry can make digital transformation easier, faster, and scalable in both manufacturing and design.

Siemens will also showcase the upgraded 5th generation SINUMERIK 828D, paving the way for SINUMERIK Run MyVirtual Machine. This innovative feature allows NC programs to be created, validated, and optimized using a digital twin of the machine without interrupting production, reducing setup time on the real machine by up to 20% and minimizing production risks. With cutting-edge features like Digital Twin readiness, effortless HMI customization, and 40% faster program buffering, it streamlines operations and improves efficiency. The high-resolution display ensures clear operator visibility, while robust cybersecurity, including IEC 62443 compliance, safeguards systems from threats.

Vijay Pratap Singh, Head of Motion Control, Digital Industries, Siemens Limited, said, "Our energy-efficient hardware, operational technology, and digitalization are key to boosting sustainability in machine tool manufacturing. At IMTEX 2025, we will not only showcase our components with high energy efficiency and lower carbon footprint but also applications to compensate, recover, and limit the energy consumed. Such a seamless portfolio helps machine tool manufacturers and users save costs while being more productive with fewer resources,"

More details on sustainable, future-proof, digital transformation for machine tool manufacturing in India is available at <https://www.siemens.com/in/en/company/fairs-events/imtex.html>.

Contact for journalists:

Siemens Limited, Media Relations

Bijesh Kamath, phone: +91 22 6251 7000

E-mail: bijesh.kamath@siemens.com

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Source:

- * <https://www.siemens.com/global/en/products/automation/systems/cnc-sinumerik/automation-systems/sinumerik-one/digital-twin.html>
- ** <https://see-siemens.highspot.com/items/66d075d13509787d83f1f4c2?lfrm=srp.0>
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