Press Release

Robotic Hands from the 3D Printer and AI Powered- Production Lines: EOS at Hannover Fair 2026

Krailling, 31 March 2026 – Whether creating production tools with industrial 3D printing or setting up an adaptive manufacturing line: EOS will demonstrate the possibilities of industrial 3D printing at the 2026 Hannover Messe from April 20–24, 2026. The company will also be represented with various applications in the new *Defense Production Area*, a special exhibition format debuting at this year's Hannover Messe. "EOS has been a pioneer in industrial 3D printing for metals and polymers for more than 30 years," says Nikolai Zaepernick, CSO at EOS. "We integrate systems, materials, and digital processes into exactly the solution customers need for futureproof manufacturing – and we'll be showcasing this in full force at the Hannover Messe."

Production Tools from the 3D Printer: Cutting Costs, Lead Time, and Material – with Maximum Quality

At its booth, EOS will present a range of applications demonstrating the benefits of industrial 3D printing in the manufacture of production tools. For example, tooling for fiber forming applications can be produced at up to 50% lower cost, with lead times of only a few weeks – making them profitable even for small batch sizes. Another example is the production of vibratory bowl feeders, used in mechanical engineering, to transport bulk materials such as screws or nuts. In a customer project, EOS enabled 7 percent material savings, 30 percent cost reduction, and over 90 percent shorter lead times.

On display at the Hannover Fair will be a 3D-printed gripper for a robotic arm, demonstrating the possibilities that additive manufacturing offers in this field in terms of functionality and control. Furthermore, a weight reduction of over 90 percent and CO2 savings of over 90 percent can be achieved.

Adaptive Manufacturing with Siemens and EOS

A production environment that adapts quickly to changing requirements – this is the idea behind the Adaptive Manufacturing concept, showcased in the Innovation Hub at the Siemens booth. An example of this application is the midsole of a sports shoe, which can be flexibly customized based on the athlete, sport, and other criteria.

"Thanks to Industrial Artificial Intelligence for orchestrating complex workflows, we can control and make the entire process more flexible," says Karsten Heuser, Vice President of Additive Manufacturing at Siemens Digital Industries. "The concept covers all steps from AI -supported design for 3D printing to AI driven- orchestration of the entire production process." A key component of the

adaptive production line is the EOS P3 NEXT industrial 3D printer, which relies on automation technology from Siemens. It stands out particularly for its consistently high quality of manufactured products as well as its high availability of up to 90 percent. “In the mid -volume range, the EOS P3 NEXT enables individualized series production,” says Davide Iacovelli, Regional Director EMEA, EOS. “At the Siemens booth, visitors will see the concrete customer value this provides. Specifically, this means shorter development and manufacturing cycles, greater flexibility in product design, and significantly higher process reliability across the entire production chain.”

3D Printing in the Defense Sector:
Concentrated Expertise in Polymer and Metal Applications

Rapid development and production ramp-ups, flexible design adjustments, and on-demand production of high-performance parts: these benefits of additive manufacturing enhance operational readiness, extend the lifespan of safety critical systems, and strengthen supply chain resilience. EOS will illustrate this through various applications in the Defense Production Area at the Siemens booth. Among other exhibits, a highspeed drone from Quantum Systems will be presented, requiring complex geometries produced using polymer 3D printing.

EOS Presence at a Glance: Locations, Contacts, and Dates

- EOS Booth: “Manufacturing Production Tools with 3D Printing”
  Where: Hall 26, Booth G44
  Press Contact: EOS Expert Dominik Sippel

- SIEMENS Innovation Hub: “Adaptive, AI Driven Production Line with 3D Printing”
  Where: Hall 27, Booth A48
  Press Contact: EOS Expert Daniel Schröder

- SIEMENS Booth: Defense Production Area
  Where: Hall 26, Booth C70
  Press Contact: EOS Expert Sebastian Frank

- Panel Discussion
  Topic: *Building Blocks for Adaptive Manufacturing: Industrial AI, Additive Manufacturing & Robotics*
  Participants: Marie Langer (CEO EOS), Yupin Tseng (General Manager Orisol), Vivek Kaushik (Managing Director Accenture Siemens Business Group)
  When: April 20, 14:00–14:30
  Where: SIEMENS Booth, Hall 27, Booth A48

- Master Class
  Topic: *From Intuition to Decision: Simulation-Based Design of Polymer Production Tools"* (Dominik Sippel)
  When: April 20, 15:30–16:30
  Where: Solution Lab, Hall 26, E453, Master Class Room 2

- Keynote
  Topic: *Additive Manufacturing as an Enabler for Scalable Industrial Automation* (Dominik Sippel)
  When: April 23, 14:40–14:55
  Where: Spotlight Stage, Hall 26, Booth E43

About EOS

EOS provides responsible manufacturing solutions via industrial 3D printing technologies to organizations around the world. Since 1989, EOS has shaped the future of manufacturing by enabling its customers to innovate and differentiate through expert guidance, technology and services, leveraging its end-to-end additive manufacturing (AM) industry partnerships. From strategy to education to production, EOS is the leading global partner for both metal and polymer AM solutions, accelerating time-to-market for its customers through high-quality production efficiencies and sustainable solutions.

Graphic Material
EOS Press Center

EOS Contact
Britta Fritsch
Head of EMEA Marketing & Communications
Mobile: +49 172 89 42 061
britta.fritsch@eos.info