Press Release

Polymer Additive Manufacturing Production Has a New Name: EOS HELIOR

Purpose-built for modern manufacturing, EOS HELIOR™ leverages a first-of-its-kind adjustable roller recoater and a triple-laser system to maximize productivity across 24-hour production cycles, enabling higher throughput, optimized machine utilization and lower cost per part.

FRANKFURT, Germany, November 17, 2026 – EOS, the leading supplier of responsible manufacturing solutions and a pioneer in selective laser sintering (SLS) 3D printing technology, today unveiled EOS HELIOR at Formnext 2026, a new large-format polymer additive manufacturing (AM) platform designed to help manufacturers produce at volume within an integrated production environment.

With one of the largest SLS build volumes on the market, EOS HELIOR features several advancements and first-of-their kind features:

- Up to 80% higher throughput with 154 liters at 10% packing density in a 24-hour build cycle; resulting in around-the-clock production at a lower cost per part
- Three (3) 70W lasers fully utilized by dynamic load balancing for maximum output with 700 x 380 x 580 mm build volume
- Up to 80% less post-processing effort with an independently adjustable roller recoater and geometry-aware advanced exposure parameters; contributing to a less dense powder cake
- Industry-best part quality and material performance through exceptional part homogeneity across the entire build chamber (3D EOSAME), precise Z-direction accuracy (Smart Scaling), and one-click build optimization through advanced process parameters

The EOS HELIOR is built on a proven platform with more than 15 years of successful industrial operation at many of the world's leading contract manufacturers. It combines that proven foundation with the latest innovations drawn from more than 35 years of EOS additive manufacturing expertise.

"Whether manufacturing one part or one million, margins matter," said Joachim Zettler, chief technology officer, EOS. "With EOS HELIOR, we focus on the production challenges our customers face every day: throughput, flexibility and reliability. EOS HELIOR improves the economics of the entire production workflow, supporting a full week of build jobs and more

than 1,000 liters of production before maintenance operations. Less post-processing and labor, integrated monitoring, open data access and reduced maintenance contribute to greater efficiency and predictability, helping manufacturers scale production with confidence."

EOS HELIOR Pioneer Program: Industry-Validated Development

HELIOR was developed with input from dozens of high-volume AM production businesses and validated by five pilot customers representing a diverse mix of contract manufacturers: FKM Additive Manufacturing, Prototal Group, Materialise, Shapeways and Formrise.

By validating the platform in real production environments, these organizations helped EOS optimize HELIOR for the demands of industrial manufacturing, including machine utilization, workflow efficiency, production quality, and operational transparency. The result is a system designed to support predictable, high-volume production and help manufacturers maximize output across the entire production cycle.

"For us, the key factor is that new technology delivers measurable economic value in practice," said Matthias Henkel, managing director, FKM Additive Manufacturing. "The higher productivity of the new system generation fits perfectly with our single-shift operation. We can complete a full build job every day and achieve significantly better machine utilization. This simplifies production planning and has an immediate positive impact on profitability."

EOS HELIOR launches with validated material process parameters for PA 2200 and PA 2220 HighReuse materials and is designed to integrate into EOS' broader ecosystem of software, materials, and production solutions. Additional materials will be qualified based on customer requests. From a standalone system to a fully integrated production cell, EOS HELIOR is supported by a scalable periphery portfolio that includes closed powder feeding and automated unpacking solutions in partnership with AM Solutions.

EOS HELIOR is commercially available beginning December 2026. The new machine and EOS HELIOR experts will be on hand at Formnext 2026, November 17-20 in Frankfurt am Main: hall 12.0, booth D71.

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.

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