



Press Release

EOS Expands Aluminium Additive Manufacturing Portfolio Through Strategic Partnership with Constellium

KRAILLING, Germany, July 07, 2026 – EOS, a leading supplier of industrial 3D printing solutions, today announced a strategic partnership with [Constellium](#), a leader in aluminium alloy development.

To reflect this collaboration, the following changes will be implemented:

- EOS will add Constellium Ahead[®] CP1 to its materials portfolio, marketed as **EOS Aluminium Constellium CP1**.
- EOS Aluminium Al5X1 will remain in the EOS materials portfolio, to be renamed **EOS Aluminium Constellium Al5X1**, and will be added to Constellium's alloy portfolio.

These updates reflect the strengthened collaboration between EOS and Constellium in advancing aluminium alloys for high-performance applications.

This partnership combines EOS' expertise in AM technologies, materials, global deployment and industrialization with Constellium's proven capabilities in advanced aluminium alloy development.

The collaboration extends beyond these two materials and establishes a long-term framework for the development of next-generation aluminium alloys for additive manufacturing.

For customers, the partnership expands access to advanced aluminium materials to EOS and AMCM metal systems with validated process parameters and application expertise, enabling faster qualification and supporting reliable industrial-scale production.

"This partnership represents a unique opportunity to bring next-generation aluminium alloys into industrial additive manufacturing at scale. By combining Constellium's alloy development expertise with EOS' leadership in AM, we aim to accelerate innovation and unlock new high-performance applications for customers worldwide," said Ludovic Piquier, Senior Vice President, Manufacturing Excellence and Chief Technical Officer at Constellium.



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With the addition of EOS Aluminium Constellium CP1, EOS further strengthens its materials portfolio for industrial applications, it will be available from EOS in August 2026.

Main Benefits of EOS Aluminium Constellium CP1

- Higher strength compared to traditional alloys, combined with good elongation
- Simplified heat treatment with no quenching required and flexible heating and cooling cycles
- Good thermal stability for demanding industrial applications
- Free of volatile elements such as Mg and Zn, supporting stable processing at high laser power and increased productivity
- Excellent corrosion resistance
- Good electrical and thermal conductivity
- Easily anodized and well suited for electrochemical polishing

Typical Applications

- Heat exchangers
- Semiconductor industry applications such as heat sinks and wafers
- Components requiring high-quality surface finishing, polishing, and anodization
- Parts exposed to corrosive environments as an alternative to coated traditional alloys
- Lightweight structural components with moderate mechanical load requirements

Many existing AlSi10Mg applications can benefit from EOS Aluminium Constellium CP1's improved processing characteristics and performance advantages, offering manufacturers an affordable, high-performance solution.

Complementing the aluminium alloy portfolio, EOS Aluminium Constellium Al5X1 provides a high-strength, high-elongation, and anodizable solution for demanding aerospace, transportation, and motorsport applications.

“With EOS Aluminium Constellium CP1, EOS Aluminium Constellium Al5X1, and our partnership with Constellium, we are setting a new benchmark for aluminium in additive manufacturing,” said Joachim Zettler, Chief Technology Officer, EOS. “Together, we are enabling higher performance, greater productivity, and faster industrial adoption for our customers.”



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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.

About Constellium

Constellium (NYSE: CSTM) is a global sector leader that develops innovative, value-added aluminum products for a broad scope of markets and applications, including aerospace, packaging and automotive. Constellium generated \$8.4 billion of revenue in 2025.

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