



Press Release

EOS and ASTM International Add EOS M 400 / EOS M 400-4 Operator Certification Program to Certify Compliance with the Safety and Quality Requirements in ISO/ASTM 52942:2020

The ASTM International Powder Bed Fusion – Laser Beam (PBF-LB) Machine Operator Certification program now includes both the EOS M 290 and EOS M 400 platforms

Novi, Michigan, August, 21, 2024 – The ASTM International Additive Manufacturing Center of Excellence ([AM CoE](#)), along with Additive Minds – the applied engineering, and training group of EOS, a global leader of AM technologies, today jointly announce the expansion of the PBF-LB Machine Operator Certification program to include the EOS M 400/EOS M 400-4 metal additive manufacturing (AM) platform.

Originally launched in April 2022 and piloted with the EOS M 290 system, the PBF-LB Machine Operator Certification program provides a benchmark for assessing reliable and competent operations of metal PBF-LB machines, based on the joint ISO/ASTM standard (ISO/ASTM 52942:2020). The certification is now offered to both EOS M 290 and EOS M 400/EOS M 400-4 operators, offering a “stamp of approval,” along with theoretical and practical assessments to evaluate machine-specific competency.

The ASTM certification evaluates:

- Additive Manufacturing Procedure Specification (APS)
- Standard operating procedures
- Machine management and build process monitoring
- Post-processing optimization
- Operator maintenance of systems
- Powder material family specializations: up to (2) material groups based on user’s selection

“ASTM continues its effort to support the industrialization of additive manufacturing by offering programs such as certification,” said Paul Bates, senior training & certification leader at ASTM International. “This certification allows operators of sophisticated AM machines to demonstrate expertise and stand out in the industry. The certification will emphasize your organization’s commitment to quality and consistency using PBF-LB processes, and open doors to new production opportunities in the world of additive manufacturing.”



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“We are pleased to see the Additive Manufacturing Operator Certification Program continuing to blossom,” said Fabian Alefeld, senior manager of the Additive Minds Academy and Consulting at EOS. “Coupled with the recent launch of our in-person Additive Minds Academy training center, we are taking substantial steps towards closing the industrial 3D printing educational gap and building a stronger, more robust AM workforce for the future of our industry.”

Additional information and registration for the new ASTM Machine Operator Certification for EOS M 400 / M 400-4 is available on the [EOS Store](#).

About AM CoE

Formed in 2018, the AM CoE is a collaborative partnership among ASTM International and organizations from industry, government, and academia, that conduct strategic R&D to advance standards across all aspects of AM technologies. The center aims to accelerate the development and adoption of robust, game-changing technologies by supporting standardization, developing training and certification programs, and providing market intelligence, business strategy, and advisory services via Wohlers Associates, powered by ASTM International.

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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