

METAL SOLUTIONS

EOS M 290-2

- → Dual 400 W lasers offer full-field overlap and quality consistent to legacy single-field system
- → Increase in productivity with faster printing in the build space
- ightarrow Ideal for utilization across a wide range of applications



EOS M 290-2

Dual 400 W lasers offer increased productivity for your 3D printing production, while ensuring high performance of material properties

The system is equipped with two 400 W lasers that offer full-field overlap and optimized laminar gas flow. This ensures the high performance of material properties. Best-in-class process quality and material library comparable to EOS M 290.

EXPOSURE MODULE







EOS M 290-2

TECHNICAL DATA

| BUILD VOLUME | 250 x 250 x 325* mm (9.8 x 9.8 x 12.8 in) |
|-----------------------|---|
| LASER TYPE | Yb-fiber laser; 2 x 400 W |
| PRECISION OPTICS | 2 F-theta-lens(es); 2 High-speed scanner(s) |
| SCAN SPEED | up to 7.0 m/s (23.0 ft/s) |
| FOCUS DIAMETER | approx. 85 μm (0.00335 in) |
| POWER SUPPLY | 1 x 32 A |
| POWER CONSUMPTION | max. 15.0 kW / typical 5.5 kW |
| COMPRESSED AIR SUPPLY | 7 Bar; 20 m³/h (102 psi; 706 ft³/h) |

 $^{^{\}star}$ M 290 Series: including build platform and application dependent. M 300 and M 400 Series: including build platform.

^{**} For machine dimensions, please contact us

MATERIALS & PROCESSES

EOS has exceptional materials expertise and a comprehensive portfolio of highly developed materials for additive manufacturing. Our materials, systems and process parameters fit together optimally. With the right materials, you can realize the desired property profiles in the best possible way for your products

EOS M 290-2

EOS Aluminium AlSi10Mg



EOS StainlessSteel 17-4PH



EOS NickelAlloy IN625



EOS StainlessSteel 316L-4404



EOS NickelAlloy IN718



EOS StainlessSteel 316L-4441



EOS NickelAlloy IN718 API



EOS Titanium Ti64



OPTIONAL ACCESSORIES



IPCM M Extra

Manual and flexible powder handling



Comfort Powder Module

Safe handling of powder inside the process chamber

HEADQUARTERS

EOS GmbH Electro Optical Systems Robert-Stirling-Ring 1 82152 Krailling / Munich Germany Tel.: +49 89 893 36-0 Email: info@eos.info URL: www.eos.info

Status as of 31.10.2025. Subject to technical modifications. EOS is certified according to ISO 9001.

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