

METAL SOLUTIONS

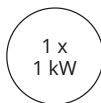
EOS M 290 1kW

- **Reproducible Part Quality:** The exceptionally high beam quality of the 1kW laser spot and the excellent detail resolution are ideal for producing highly complex components requiring high intensity.
- **Higher Power:** With the 1000 watts made available through this upgraded system, it is uniquely tailored to process copper applications
- **From Start to Part Fast:** The EOS M 290 1kW allows fast, flexible, dependable, and cost-effective production of metal parts directly from CAD data.



EXPOSURE MODULE

LASERS





EOS M 290 1kW

TECHNICAL DATA

BUILD VOLUME	250 x 250 x 325* mm (9.8 x 9.8 x 12.8 in)
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LASER TYPE	Yb-fiber laser; 1 x 1000 W
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PRECISION OPTICS	1 F-theta-lens(es); 1 High-speed scanner(s)
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SCAN SPEED	up to 7.0 m/s (23.0 ft/s)
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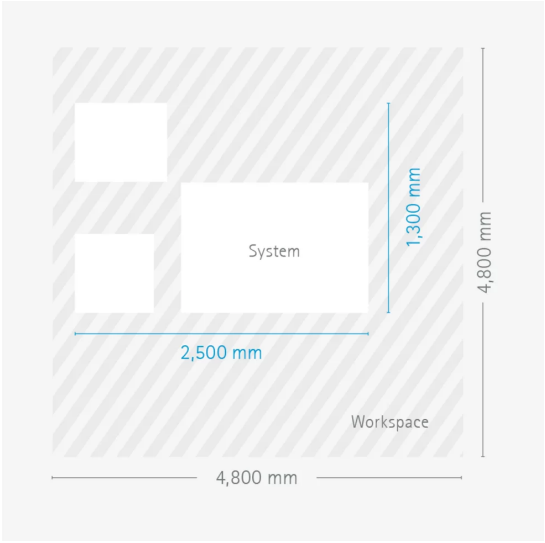
FOCUS DIAMETER	approx. 90 µm (0.00354 in)
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POWER SUPPLY	1 x 32 A
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COMPRESSED AIR SUPPLY	7 Bar; 27.8 m³/h (102 psi; 982 ft³/h)
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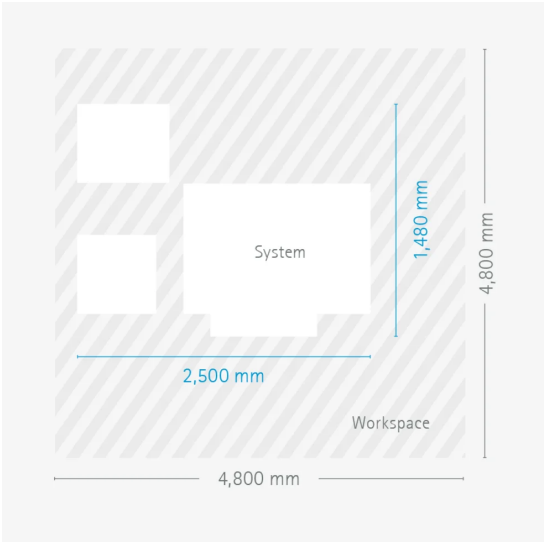
* Height includes build plate

DIMENSIONS & WEIGHT



EOS M 290 1kW

Height: 2,190 mm / Weight approx. 1,250 kg



EOS M 290 1kW with Comfort Powder Module

Height: 2,190 mm / Weight approx. 1,250 kg



EOS M 290 1kW

EOS Copper CuCP



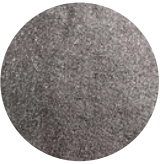
EOS CopperAlloy CuCrZr



EOS MaragingSteel MS1



EOS NickelAlloy IN718

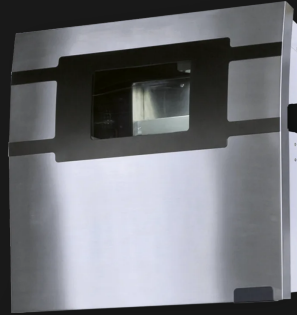


OPTIONAL ACCESSORIES



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 12.08.2024. Subject to technical modifications. EOS is certified according to ISO 9001.

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