Customizing **from scratch**

„AMCM is the customizing + tuning company of EOS.“

The future of metal 3D printing – tailored to you.

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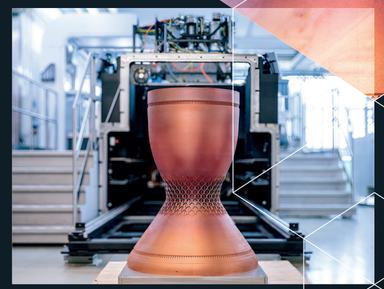
AMCM
Additive Manufacturing
Customized Machines

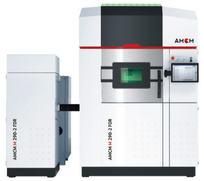
If Standard is not Enough

Customizing EOS



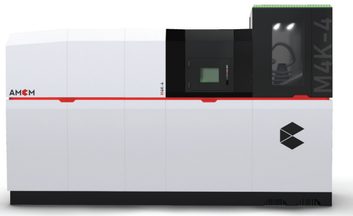
From selected to full customization

Customizing **EOS** and **AMCM** series products



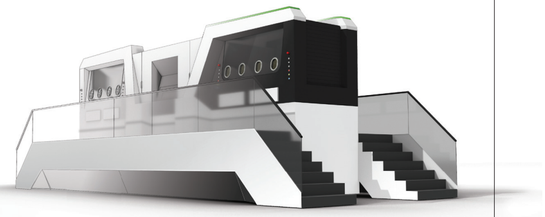
AMCM M 290
250 × 250 × 300 mm

AMCM M 450
450 × 450 × 360 mm



AMCM M 4K
450 × 450 × 1000 mm

Customizing **from scratch**

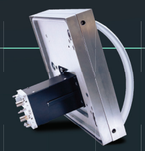


AMCM M 8K
800 × 800 × 1200 (1600) mm

AMCM M 10K
and beyond

Selected Customization

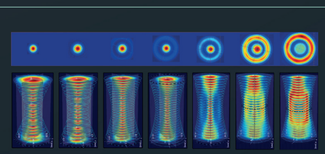
We tailor AMCM small series products or EOS systems to your needs — including process settings, heating concepts, spot sizes, and build volumes.



Baseplate heating modules

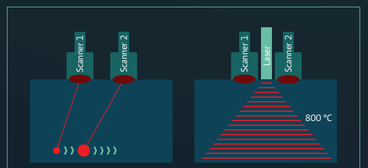
- 500 °C platform heating
- Active platform cooling
- Also available as build volume reduction
- Many new R&D options

AMCM M 290



Beam shaping technology

- From Gaussian to ring-shaped beams, from 85 – 210 µm spot size and 55 – 140 µm with FDR (fine detail resolution).
- Up to 3× higher volume rate per laser
- Small and large spot sizes
- Focused beam



Different heating concepts

- Laser follows laser
- Powder bed heating via direct energy source from process chamber ceiling

Different laser wavelength

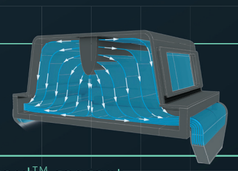
We are open to exploring alternative wavelengths, with the right technical fit and customer value in mind, to uncover potential benefits.

Camera/ Calibration technology

- Utilizing EOS monitoring technology e.g. EOSTATE Exposure OT
- Pattern recognition for hybrid building

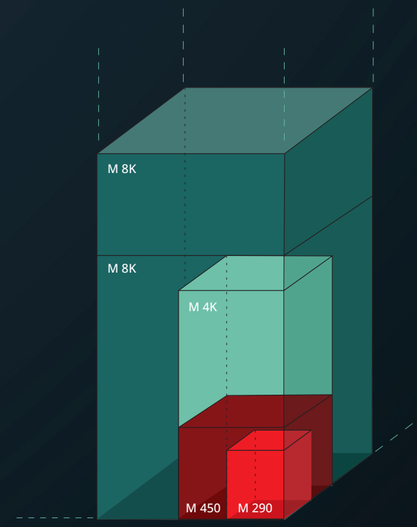
Full Customization

We develop your system from scratch to meet highly specific requirements.



AirSword™ concept

- Allowing ultra large LPBF 3D printing
- For easy scalability of building area
- Dynamic, multi-layered, and seam-less gas flow that spans across the entire building area
- Maintaining optimal process conditions



M 290	250 × 250 × 300 mm
M 450	450 × 450 × 360 mm
M 4K	450 × 450 × 1000 mm
M 8K	800 × 800 × 1200 mm 800 × 800 × 1600 mm