



EOS M 300 Series Digital Additive Manufacturing for the Industrial Production of High-Quality Metal Parts

- reliable and repeatable quality
- up to 10x higher productivity
- easily integrated in production



EOS M 300 Series Enables DMLS Quality with up to 10x Higher Productivity

Designed for industrial applications, the EOS M 300 Series offers multiple configuration options combined with safety and security features enabling digital Additive Manufacturing. The platform offers the flexibility to choose the degree of automation that best suits your needs for an optimized workflow as well as the option to easily ramp-up as demand increases.



Exposure Module

Number of Lasers: 1* 2* 4

Laser Power: 400 W 1,000 W*

Laser Focus: fix flex*

Up to four precise lasers expose in a 300 x 300 mm square with each laser covering the entire area.

Clamping Modules

System 3R Delphin PHPA

System 3R Macro Magnum*

Erowa Power Chuck*

Select from 3 different models for easy integration to the post-processing equipment in your production facility.

Dispenser Modules

Flexible

Integrated*

Flexible Dispenser
Offers fast and easy material change.

Integrated Dispenser
Automated feeding enabling closed loop powder supply.

Material & Process

EOS NickelAlloy EOS MaragingSteel EOS Titanium EOS Aluminium

IN718 40 µm MS1 50 µm Ti64 60 µm AISi10Mg

Prozess*

EOS Materials are designed specifically for DMLS and are quality controlled.

EOS Processes are validated ensuring consistent and repeatable part quality.

EOSTATE Monitoring Suite

EOSTATE Base EOSTATE MeltPool EOSTATE ExposureOT EOSTATE PowderBed

The automated and intelligent multi-monitoring suite for quality control and process development. EOSTATE enables insights in all production and quality relevant data - in real time.

Powder Handling



IPCM M extra
Manual and flexible powder handling.

IPCM M pro
Semi-automated powder handling.

IPCM M Powder Station L
Automatic closed loop powder handling.

Part Handling



EOS Transfer Station M

IPM M Setup Station M

EOS Transfer Station M
Fast switch-over of the exchangeable frame.

IPM M Setup Station M
Comfortable gas-tight unpacking from two sides and under inert gas.

Unpack Module*
Automated unpacking and easy integration in the IPM M Setup Station M.

Software

EOSYSTEM EOSPRINT EOSCONNECT

EOSYSTEM
Intuitive industry proven machine software optimized for production.

EOSPRINT
Intuitive and easy job preparation and process development.

EOSCONNECT
Easy software integration into a production facility.

● mandatory configuration *under development

EOS M 300-4

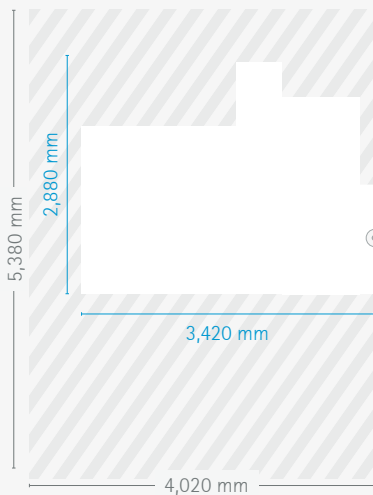
Technical Data

Building volume	300 x 300 x 400 mm (11.8 x 11.8 x 15.8 in)
Laser type	Yb-fiber laser; 4 x 400 W
Precision optics	4 F-theta-lenses; 4 high-speed scanners
Scanning speed	up to 7.0 m/s (23 ft/s)
Focus diameter	approx. 100 µm (0.004 in)
Power supply	3 x 80 A
Power consumption	max. 36 kW / typical 26 kW
Inert gas supply	7,000 hPa; 15 m ³ /h (102 psi; 530 ft ³ /h)

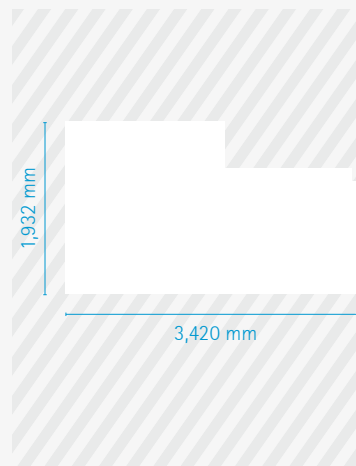
Dimensions & Weight

EOS M 300-4 with Flex Dispenser

Height: 2,340 mm / Weight: ca. 6,600 kg

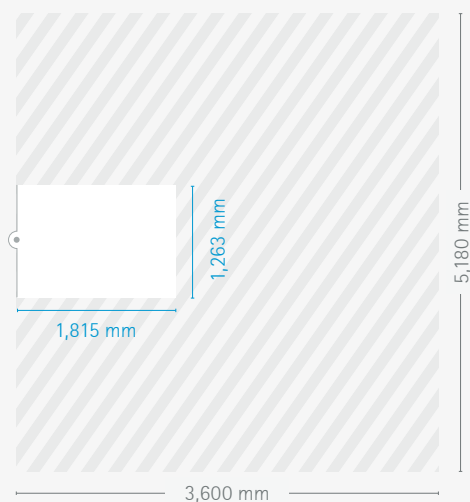


EOS M 300-4 with Integrated Dispenser*



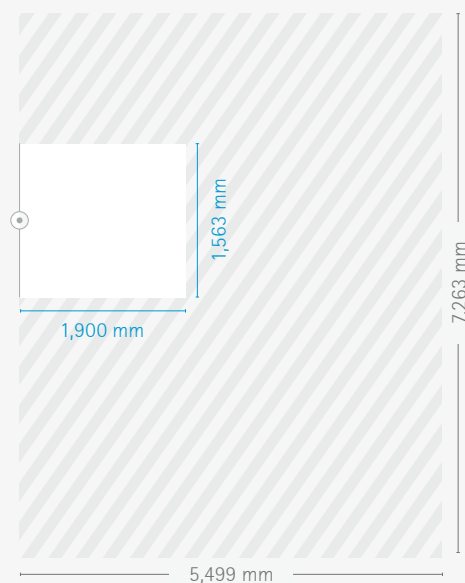
EOS Transfer Station M

Height: 1,300 mm / Weight: ca. 1,000 kg



IPM M Setup Station M*

Height: 2,000 mm / Weight: ca. 1,400 kg



System

Workspace

Interface

*in development

Headquarters

EOS GmbH
Electro Optical Systems
Robert-Stirling-Ring 1
D-82152 Krailling/Munich
Germany
Phone +49 89 893 36-0
info@eos.info

www.eos.info

in EOS

🐦 EOSGmbH

🌐 EOS.global

📺 EOSGmbH

#ShapingFuture

Further Offices

EOS France
Phone +33 437 497 676

EOS Greater China
Phone +86 21 602 307 00

EOS India
Phone +91 443 964 8000

EOS Italy
Phone +39 023 340 1659

EOS Japan
Phone +81 45 670 0250

EOS Korea
Phone +82 2 6330 5800

EOS Nordic & Baltic
Phone +46 31 760 4640

EOS of North America
Phone +1 877 388 7916

EOS Singapore
Phone +65 6430 0463

EOS UK
Phone +44 1926 675 110

