



EOS P 500 The Automation–Ready Manufacturing Platform Providing Reliable Part Quality

er99

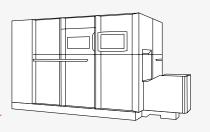
EOS P 500

-6



# EOS P 500 **Digital Production:** From CAD to Part Overnight

The innovative manufacturing platform produces high-quality components at the lowest cost-per-part. Thanks to clever hardware interfaces and accessories, the uptime of the EOS P 500 increases by up to 75% compared to predecessor systems and competition models.



- ightarrow The innovative recoater, which applies and densifies material with a speed of up to 0,6 m/sec, as well as two powerful 70 watt lasers reduce cost-per-part by more than 30%.
- ightarrow The new 3-stage filter unit and an intelligent thermo- and protective gas management ensure optimum process conditions.
- The system enables maximum material flexibility (incl. high performance polymers). Open software interfaces and user-friendly tools support application and material development.

Technical Data EOS P 500

Scan speed during build process

Recommended installation space

Building volume

Layer thickness

Precision optics

Power supply

Dimensions (W x D x H)

Laser type Building rate

- Extensive sensor technology plus optical monitoring enable excellent process monitoring to meet the requirements of the aerospace and automotive industries.
- $\rightarrow$ With EOSYSTEM the machine is operated intuitively. EOSPRINT 2 enables software integration in CAD systems, e. g. NX<sup>™</sup> from Siemens and via EOSCONNECT the connection to ERP systems. Thus the EOS P 500 supports a digital control of production.
- Automated interfaces and optimized accessories reduce the cycle time drastically and ensure building process of several days duration.

\* Exemplary build cycle: 5% packaging density 120 µm layer thickness

500 x 330 x 400 mm (19.7 x 13 x 15.7 in) CO<sub>2</sub>; 2 x 70 W up to 6.6 l/h\* 120 µm

F-theta lens, surface module, high-speed scanner up to 2 x 10 m/sec (32.8 ft/s)

3,400 x 2,100 x 2,100 mm (133.9 x 82.7 x 82.7 in) min. 7.2 x 5.2 x 4.2 m (284 x 205 x 165 in) approx. 7,000 kg (15,432 lb)

#### Software

Weight

EOSYSTEM, EOSPRINT 2, EOSPRINT Premium Module, EOSCONNECT, EOSTATE

#### Materials

PA 2200

### **Optional Accessories**

Cooling station, IPCM P plus, unpacking and sieving station, blasting cabinet

400 V/100 A; max. power consumption 60 A



## 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 EOSGmbH #responsiblemanufacturing #futureisadditive

#### Further Offices

**FOS 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 North America Phone +1 877 388 7916

EOS Singapore Phone +65 6430 0463

EOS UK Phone +44 1926 675 110



Status 05/2022. Technical data subject to change without notice. EOS is certified according to ISO 9001. EOS®, EOSCONNECT®, EOSPRINT®, EOSTATE®, EOSYSTEM® and PA 2200® are registered trademarks of EOS GmbH Electro Optical Systems in some countries. For more information visit www.eos.info/trademarks.