



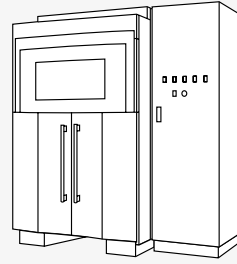
EOS P 396
Manufacturing of High Quality Parts
with Industry 4.0 Integration



EOS P 396

Reliable Production with the Industry's Largest Material Portfolio

The medium-sized bestselling EOS P 396 enables a flexible and tool-free production of everything from spare parts on-demand, to serial production.



- All 3D printed parts with excellent mechanical properties and dimensional accuracy due to software features such as Smart Scaling, EOSAME and a continuous temperature monitoring.
- Highest productivity ensured by its powerful laser plus high scanning and recoating speed.
- A multitude of applications that fully meet industry requirements is possible with the 14 materials and their 26 parameter sets.

- Full integration into the IIoT environment with EOSCONNECT Core resulting in an entirely digital process chain from the CAD model, through ERP and MES connection, to the finished part.
- Maximum machine park uptime with digital track and trace from everywhere and at any time.
- Continuous optimization of the entire production workflow made possible with the evaluation and documentation of all build cycles.

Technical Data EOS P 396

Building volume	340 x 340 x 600 mm (13.4 x 13.4 x 23.6 in)
Laser type	CO ₂ ; 70 W
Building rate	up to 3,0 l/h*
Layer thickness (depending on material)	0.06 – 0.10 – 0.12 – 0.15 – 0.18 mm (0.0024 - 0.0039 - 0.0047 - 0.0059 - 0.0071 in)
Precision optics	F-theta lens, high-speed scanner
Scan speed during build process	up to 6 m/s (19.7 ft/s)
Power supply	400 V / 32 A, max. power supply 16 A
Power consumption	typical 2.1 kW; maximum 10 kW
Dimensions (W x D x H)	1840 x 1175 x 2100 mm (72.4 x 46.3 x 82.7 in)
Recommended installation space	ca. 4.3 x 3.9 x 3.0 m (169.3 x 153.5 x 118.1 in)
Weight	ca. 1060 kg (2337 lb)

* for PA 2200 at 120 µm layer thickness and 5% nesting density

Software

PSW 3.8, EOSCONNECT (open interface OPC-UA, Web API), Smart Scaling



Materials

PA 1101, PA 1102 black, PA 2200, PA 2201, PA 2210 FR, PrimePart FR (PA 2241 FR), PA 3200 GF, Alumide, EOS TPU 1301, PP 1101, ALM FR-106, ALM HP 11-30, ALM PA 640 GSL

Optional Accessories

IPCM P plus, Big Bag emptying station, unpack- and sieving station, blasting cabinet

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