

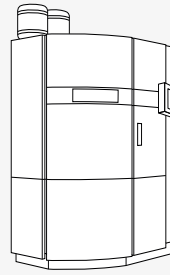


FORMIGA P 110 *FDR*
**The Next Big Thing for Small Parts:
Maximum Detail Resolution Enables
New Fields of Application**

FORMIGA P 110 *FDR*

3D Print Filigree and Stable Parts With a Batch Volume of 16.5 Liters

The reputable and reliable industrial 3D printer is now operating with a one-of-a-kind fine laser beam to produce delicate parts and ultra-smooth surfaces to enable new fields of applications. The system has both a small footprint and state-of-the-art workflow-based software to maximize your shop floor space while bringing your production to the next level.



- With a focus diameter twice as small as existing SLS technologies, the ultra-fine and precise laser beam produces parts with wall thicknesses of only 220 µm.
- The system ensures reproducible part properties throughout the defined build volume, for every build and from machine to machine.
- The smart temperature management and an improved exchange frame contribute to homogenous part quality.
- Parts are fully functional right after unpacking, leveraging the smooth surface finish created by the ultra-fine laser to save time in post-processing.
- Parts made with the biobased PA 11 material have high impact resistance and elongation at break. A carbon-neutral version is also available.
- 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.
- The system is user-friendly, requires low maintenance and minimal accessories.

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
 EOS3DPrinting
 EOS3DPrinting
 #responsiblemanufacturing
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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 North America
Phone +1 877 388 7916

EOS Singapore
Phone +65 6430 0463

EOS UK
Phone +44 1926 675 110

Technical Data FORMIGA P 110 *FDR*

* recommended building height due to powder aging: 150 mm (5.9 in)

Building volume	200 x 250 x 330 mm (7.9 x 9.8 x 13 in)*
Laser type	CO ₂ ; 55 W
Building rate	up to 0.5 l/h
Layer thickness	0.04 mm (0.0015 in)
Precision optics	F-theta lens, high-speed scanner
Scan speed during build process	up to 5 m/s (16.4 ft/s)
Power supply	16 A
Power consumption	typical 3 kW, maximum 5 kW
Dimensions (W x D x H)	1320 x 1067 x 2204 mm (51.97 x 42.01 x 86.77 in)
Recommended installation space	min. 3.2 x 3.5 x 3.0 m (126 x 138 x 118 in)
Weight	approx. 610 kg (1345 lb)

Software

EOSPRINT 2, EOSCONNECT



Materials

PA 1101, PA 1101 ClimateNeutral

Optional Accessories

Mixing station, unpacking and sieving station, blasting cabinet

