

POLYMER SOLUTIONS

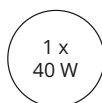
FORMIGA P 110 FDR

- 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.



EXPOSURE MODULE

LASERS



SOFTWARE



EOS SYSTEM SUITE

EOS System Suite optimizes production by streamlining processes, integrating with MES and shop-floor IT systems, and generating detailed quality reports.



TECHNICAL DATA

BUILD VOLUME	200 x 250 x 330* mm (7.9 x 9.8 x 13.0 in)
LASER TYPE	CO ₂ ; 1 x 40 W
SCAN SPEED	up to 5.0 m/s (16.4 ft/s)
POWER SUPPLY	1 x 16 A
POWER CONSUMPTION	max. 5 kW / typical 3 kW

* Height includes build plate

DIMENSIONS & WEIGHT

FORMIGA P 110 FDR

Height: 2.204 mm / Weight approx. 610 kg

FORMIGA P 110 FDR

PA 1101



PA 1101 ClimateNeutral



OPTIONAL ACCESSORIES

Unpacking & Sieving Station

Unpacking and sieving station quickly removes excess material from the components, sieve and conveys used powder

Blasting Cabinet

Manually or automatically depowder components using glass or plastic blasting media

Mixing Station

Mixing & Qualitification Station (MQS) for gravimetric dosing, homogenization and condition of new and used powder

HEADQUARTERS

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Status as of 18.05.2024. Subject to technical modifications. EOS is certified according to ISO 9001.

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