

POLYMER SOLUTIONS

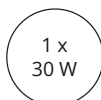
FORMIGA P 110 Velocis

- Innovations in temperature management and software control accelerate heating and recoating process significantly increasing productivity.
- The running costs are only consumed material and power. No hidden costs. No agents.
- The precise laser spot with a small focus diameter enables wall thicknesses of less than a half millimeter. The system reliably produces small, delicate parts with the highest surface quality.
- The system ensures reproducible part properties throughout the entire build volume: for every build job and for every machine.
- Parts are fully functional right after unpacking and depowdering. No further post-processing needed.
- The spot pyrometer enables continuous and accurate temperature control.
- With 9 commercial polymer materials and 10 combinations of materials/layer thicknesses, EOS is a benchmark in terms of material variety. The EOS ParameterEditor allows customized exposure parameters to be defined based on a proven baseline.
- The system is user-friendly, requires low maintenance and a minimum of 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 30 W
PRECISION OPTICS	1 F-theta-lens(es); 1 High-speed scanner(s)
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 Velocis

Height: 2.204 mm / Weight approx. 600 kg

FORMIGA P 110 Velocis

PA 1101



PA 1101 ClimateNeutral



PA 1102 black



PA 2200 Balance



PA 2200 CarbonReduced Balance



PA 2200 Performance



PA 2200 CarbonReduced Performance



PA 2200 Speed



PA 2200 CarbonReduced Speed



PA 2200 Top Quality



PA 2200 CarbonReduced Top Quality



PA 2200 Top Speed



PA 2200 CarbonReduced Top Speed



PA 2201



PA 3200 GF



Alumide



EOS TPU 1301



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 15.05.2024. Subject to technical modifications. EOS is certified according to ISO 9001.

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