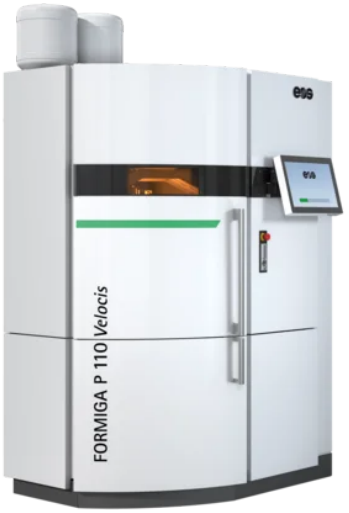
POLYMER SOLUTIONS

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.

FORMIGA P 110 VELOCIS

High Performance and Outstanding Part Quality at the Smallest Footprint

The most successful industrial 3D printer is now up to 20 % more productive thanks to new software and hardware features. Maintaining high reliability and FORMIGA quality, which set the standard in the market, the cost is more attractive than ever.

EXPOSURE MODULE

LASERS

1 x
30 W

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.

FORMIGA P 110 VELOCIS

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. 5.0 kW / typical 3.0 kW

MATERIALS & PROCESSES

EOS has exceptional materials expertise and a comprehensive portfolio of highly developed materials for additive manufacturing. Our materials, systems and process parameters fit together optimally. With the right materials, you can realize the desired property profiles in the best possible way for your products

FORMIGA P 110 Velocis

PA 1100

PA 1101

PA 1101 ClimateNeutral

PA 2200

PA 2200 CarbonReduced

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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