

No agents

No curing



The benchmark for industrial 3D printing of polymer parts
with outstanding quality – now 20% faster

Reliable and predictable

Only powder is needed for
high-quality, low-cost parts

Ready to use components

Functional parts right after
unpacking and depowdering



FORMIGA P 110 Velocis: highest productivity and part quality with a production volume of 16.5 liters

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.

Outstanding component quality, excellent productivity and low cost-per-part

- 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.

Technical Data FORMIGA P 110 Velocis

Building volume	200 x 250 x 330 mm (7.9 x 9.8 x 13 in)
Laser type	CO ₂ , 30 W
Building rate	up to 1.2 l/h
Layer thickness (depending on material)	0,06 mm - 0,10 mm - 0,12 mm (0.0024 in - 0.0039 in - 0.0047 in)
Precision optics	F-theta lens, high-speed scanner
Scan speed during building 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)

System	1,320 x 1,067 x 2,204 mm (51.97 x 42.01 x 86.77 in)
Recommended installation space	min. 3.2 x 3.5 m x 3.0 m (126 x 138 x 118 in)
Weight	approx. 600 kg (1.323 lb)

Software

EOS ParameterEditor, EOS RP Tools, PSW 3.6

Material

Alumide®, PA 1101, PA 1102 black, PA 2200®, PA 2201, PA 3200 GF, PrimeCast® 101, PrimePart®ST, PA 2105

Optional accessoires

Mixing station, unpacking and sieving station, blasting cabinet

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