

No  
agent

No  
curing



## FORMIGA P 110 Velocis

# The Benchmark for Industrial 3D Printing of Polymer Parts with Outstanding Quality — Now 20 % Faster

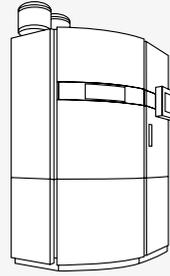
Reliable and predictable: only powder is needed for high-quality, low-cost parts  
Ready to use components: functional parts right after unpacking and depowdering



# FORMIGA P 110 Velocis

## Highest Productivity and Part Quality with a Production Volume of 16.5 Liter

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.



- 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.

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### 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 <sub>2</sub> ; 30 W
Building rate	up to 1.2 l/h
Layer thickness (depending on material)	0.06 – 0.10 – 0.12 mm (0.0024 – 0.0039 – 0.0047 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)	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 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

### Materials

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

### Optional Accessories

Mixing station, unpacking and sieving station, blasting cabinet

