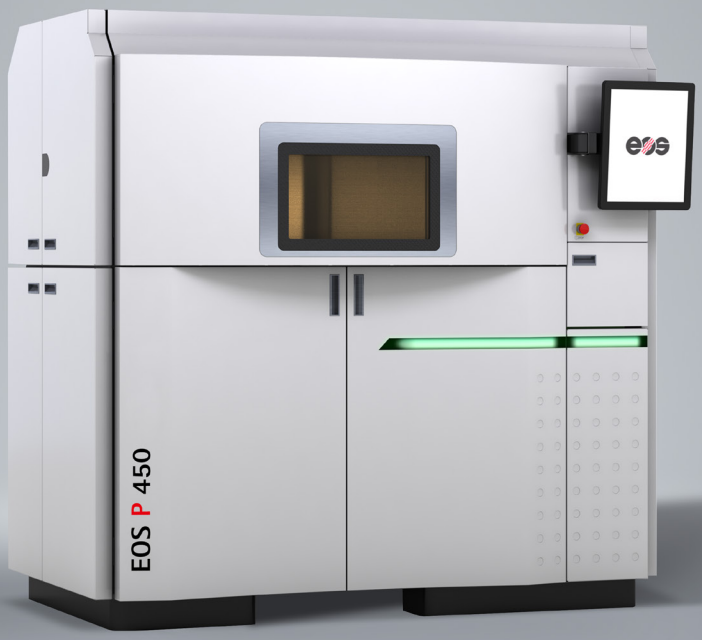
Polymer
Solutions

User Friendly

Low Cost per part



EOS P 450

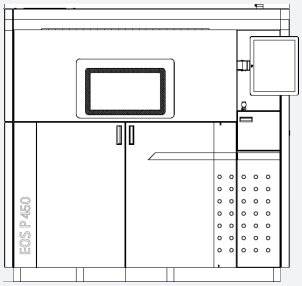
A mid-range polymer 3D printer that scales with your production

EOS P 450

EOS P 450

Productive. Flexible. Upgradable.

Built upon decades of industry feedback, the EOS P 450 bridges the gap from prototyping to serial production, offering simplicity, serviceability, sustainability, and scalability in an open laser sintering platform.



- 8 independently controlled heating zones for more consistent part production and efficient use of build volume
- Thermal imaging camera for improved quality control and data-capturing
- Designed to enable maximum material flexibility, up to 300° C
- Future-proof modular design, with exchangable optics tray, frame system, and more
- 120 Watt Co2 laser producing the fastest scanning times in the industry
- Innovative dual-roller recoating system applies material with a speed of up to 0.4 meters per second
- Open software interfaces and user-friendly tools support application and material development
- Intuitive user operation: EOSPRINT 2 enables software integration from CAD model to print

Technical Data EOS P 450

Chamber volume	420 x 420 x 500 mm (16.5 x 16.5 x 19.7 in)*
Laser type	CO_2 70 W (120 W available upon request)
Building rate	25 mm/hr (typical)
Layer thickness (depending on material)	capability from 0.10 mm to 0.18 mm per layer
Scan speed during build process	up to 12.7 m/s (500 in/sec) sky-writing
Power Supply	240 VAC, 3 Phase / 40 A - peak operating current 30 A
Power Consumption	typical 8.3 kW; maximum 12.5 kW
Dimensions (W x D x H)	2.08 x 1.32 x 2.46 m (6.83 x 4.33 x 8.08 ft)
Recommended installation space	min. 4.6 x 4.1 x 3.3 m (15 x 13.50 x 11 ft)
Weight	approximately 1,814 kg (4,000 lb)

Software

IntegraBUILD, EOSPRINT 2.1, Materialise Magics (optional), Siemens NX (optional)

Optional Accessories

Additional exchangeable frames, exchangeable laser window units, additional multibox feed system units, reduced build volume adaptor, breakout station, additional feed hoppers

The EOS P 450
is manufactured and supported
by EOS North America

EOS North America
Pflugerville Technical Center
3813 Helios Way, Suite B298
Pflugerville, TX 78660 USA

Phone +1 877 388 7916

info@eos-na.com

EOS P 450

* Part building volume will be reduced by approximately 25mm in X and Y, and will vary based on material.