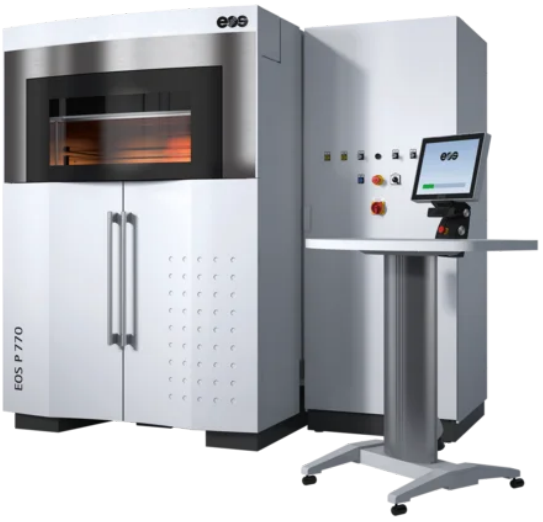
POLYMER SOLUTIONS

EOS P 770



- Thanks to optimized temperature management, improved recoating speed and high-power lasers, the build time and cost-per-part are reduced significantly.
- The improved digital scanners achieve a considerably higher laser accuracy compared to the previous version of the system. As a result the overlap area has no visible edges.
- The well-established EOSAME feature homogenizes the energy input, thus ensuring excellent mechanical part properties and dimensional accuracy within the overall build volume*.
- The spot pyrometer enables continuous and accurate temperature control.
- With 10 commercial polymer materials and 18 combinations of materials/layer thicknesses currently available, EOS is a benchmark in terms of material variety. In addition, the EOS ParameterEditor allows customized exposure parameters to be defined based on proven starting values.
- After production, the CoolDown Station provides optimal conditions to cool down the exchangeable frame. This leads to the best properties in the final part – in particular with regard to dimensional accuracy and color stability.

** the specified build volume depends on the material; for PA 2200 it is 700 x 380 x 580 mm (27.6 x 15 x 22.9 in)*

EOS P 770

Additive Manufacturing of Series Parts Up to 1 Meter in Length

Laser Sintering System with Two Lasers for the Production of Large Parts and for Industrial High-Throughput Manufacturing

With the largest build volume available on the market, the EOS system enables the production of parts of up to one meter in length. Thanks to its new hardware and software features, the EOS P 770 is up to 20% more productive than its predecessor.

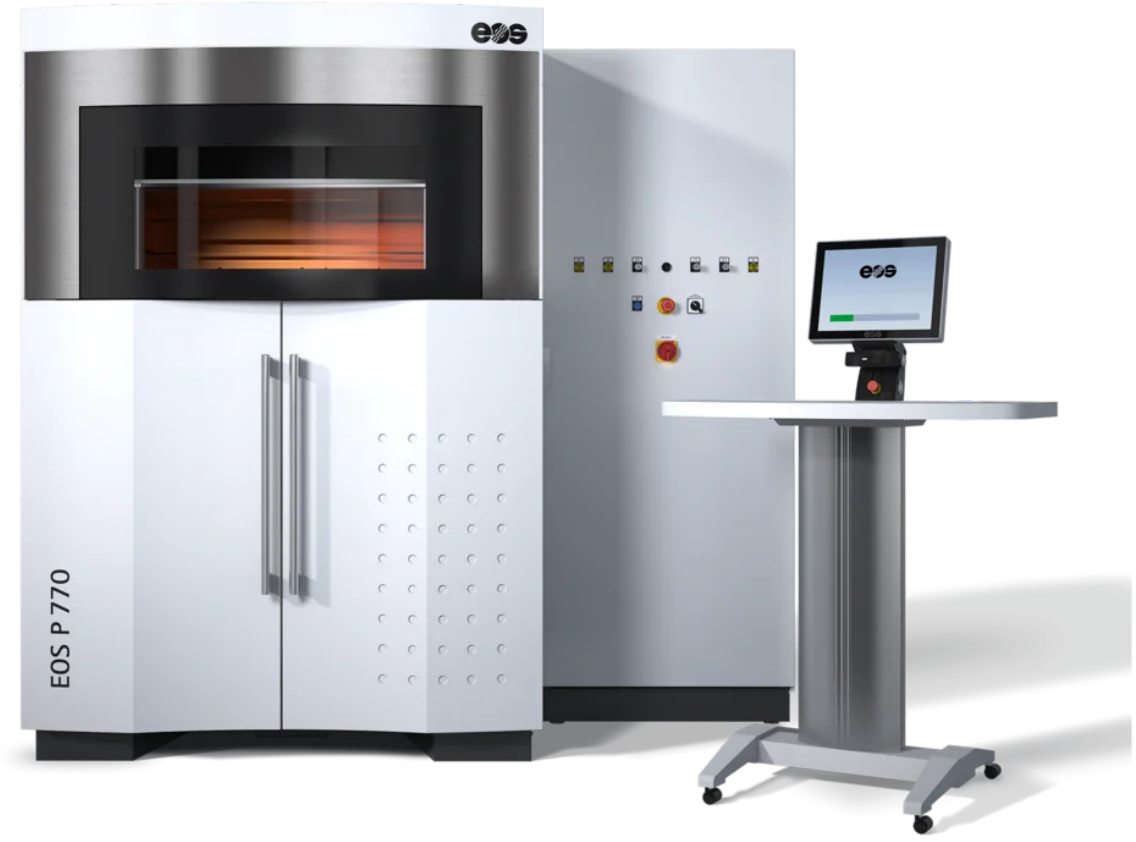
EXPOSURE MODULE

LASERS	2 x 70 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.



EOS P 770

TECHNICAL DATA

BUILD VOLUME	700 x 380 x 580 mm (27.6 x 15.0 x 22.8 in)
LASER TYPE	CO_2; 2 x 70 W
PRECISION OPTICS	2 F-theta-lens(es); 2 High-speed scanner(s)
SCAN SPEED	up to 10.0 m/s (32.8 ft/s)
POWER SUPPLY	1 x 32 A
POWER CONSUMPTION	max. 12.0 kW / typical 3.1 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

EOS P 770

PA 1100

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

PA 2210 FR

PA 2241 FR

OPTIONAL ACCESSORIES

IPCM P Plus

Fully Automatic With a Closed Powder Cycle

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

Cool Down Cover

IPCM P

Semi-Automated and Versatile

HEADQUARTERS

EOS GmbH
Electro Optical Systems

Robert-Stirling-Ring 1
82152 Krailling / Munich
Germany

Tel.: +49 89 893 36-0
Email: info@eos.info
URL: www.eos.info