

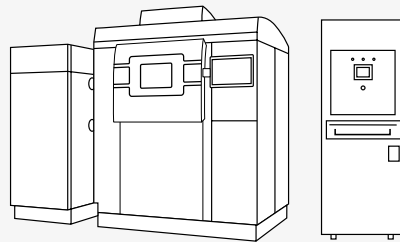


EOS M 290 Pro Package
Realize high quality metal parts using the
benchmark in additive manufacturing – now with
easy and safe material handling

EOS M 290 & IPCM M pro

The perfect package to enhance productivity and efficiency

With a building volume of 250x250x325 mm, the EOS M 290 allows a fast, flexible and cost effective production of metal parts directly from CAD data. The material handling solution IPCM M pro secures an easy, fast and safe handling in a closed powder cycle.



EOS M 290

- Robust system with powerful 400 W fiber laser enables a reliably high performance day in, day out
- Laser spot with high beam quality and excellent detail resolution ensures homogeneous part properties from part-to-part, job-to-job and machine-to-machine
- Intuitive, open and productive software tool EOSPRINT allows quick and easy job and process management

IPCM M pro

- Automated powder conveying and sieving under ambient air ensures consistent process conditions for reliable part production
- Quicker emptying and dust-tight filling of the system
- Optimized sieve lifetime and faster sieving
- Comfort Powder Module pro enables contact-free material handling due to closed process chamber door

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Technical data EOS M 290

Building volume	250 x 250 x 325 mm (9.8 x 9.8 x 12.8 in)
Laser type	Yb fibre laser; 400 W
Precision optics	F-Theta lens; high-speed scanner
Scanning speed	up to 7.0 m/s (23 ft./sec)
Focus diameter	100 µm (0.004 in)
Power supply	32 A / 400 V
Power consumption	max. 8,5 kW / average 2,4 kW / with platform heating up to 3,2 kW
Inert gas supply	7,000 hPa; 20 m³/h (102 psi; 706 ft³/h)

Technical data IPCM M pro

Principle of operation	vibratory sieving with ultrasonic cleaning
Conveying performance	approx. 156 m³/h
Mesh size	standard 63 µm
Operating gas	argon, nitrogen, oxygen
Capacity	30 l
Power supply	200-480 V
Power consumption	max. 1,1 kW
Compressed air supply	5,5 - 6 bar

Dimensions (W x D x H) System	2,500 x 1,300 x 2,190 mm (98.4 x 51.2 x 86.2 in)
Weight	approx. 1,250 kg (2,756 lb)

Dimensions (W x D x H) Material handling	1,300 x 800 x 2,095 mm (51.2 x 31.5 x 82.5 in)
Weight	approx. 500 kg (1,102 lb)

