

BMT



EOSINT P 800

Technical Data

Layer thickness (material-dependent)	typically 0.12 mm (0.005 in)
Support structure	not necessary
Laser type	CO ₂ , 2 x 50 W
Precision optics	F-theta-lens
Scan speed during build process	up to 2 x 6 m/s (19.7 ft/sec)
Power supply	32 A
Power consumption (nominal)	4.5 kW
Nitrogen generator	integrated
Compressed air supply	minimum 6,000 hPa; 20 m ³ /h (87 psi; 26.2 yd ³ /h)

Dimensions (B x D x H)

System incl. switchgear cabinet	2,250 mm x 1,550 mm x 2,100 mm (88.6 x 61 x 82.7 in)
Recommended installation space	1,045 mm x 850 mm x 1,620 mm (41.1 x 33.5 x 63.8 in)
Weight	1,890 mm x 1,350 mm x 1,550 mm (74.4 x 53.2 x 61 in)
Unpacking and sieving station	1,600 mm x 800 mm x 1,370 mm (63 x 32 x 53.9 in)
Powder mixing station	4.8 m x 4.8 m x 3.0 m (189 x 189 x 118 in)
Weight	approx. 2,300 kg (5,071 lb)

Data preparation

Software	EOS RP Tools; Magics RP (Materialise)
CAD interface	STL. Optional: converter to all common formats
Network	Ethernet