

EOSINT M 270: System for additive manufacturing of crowns, bridges and model casting prostheses from metal



## EOSINT M 270

### Manufacturing large quantities, flexible application

The system accelerates the flawless manufacturing of model casting prostheses from the material EOS CobaltChrome RPD (CE 0537) and it can also be used for the large-scale production of crowns and bridges from the material EOS CobaltChrome SP2 (CE 0537).

Technical data EOSINT M 270	
Usable construction volume	250 mm x 250 mm x 215 mm (incl. building platform)
Layer thickness	20 µm or 40 µm
Laser type	Yb-fibre laser; 200 W
Precision optics	F-theta lens, high-speed scanner
Scanning speed	up to 7.0 m/s
Focus diameter	100 µm
Measurements (w x d x h)	
System	2,000 mm x 1,050 mm x 1,940 mm
Recommended installation space	about 3.5 m x 3.6 m x 2.5 m
Weight	about 1,130 kg
Software	
EOS RP Tools, Cambridge	
Optional accessories	
Powder conveyor and screen module IPCM-M extra, wet separator, blast cabin	

Overview of the advantages of the solution:

- Manufacturing capacity of crowns and bridges: up to 450 units per building order
- Manufacturing capacity of model casting: up to 35-40 units per building order
- Homogeneous and dense structure of the material and constant tolerances
- Refined post-processing process leads to an especially high ductility of the brackets of the model casting prostheses