

More Capacity · More Speed · More Productivity

Dual-Laser Metal AM for Dental Production



FF-M220



 **2 × 500 W**
Dual-Laser System

 Up to **10 m/s**
Scan Speed

 **220 × 140 × 100 mm**
Build Volume

FF - M 2 2 0

Bits Power Atoms | AI Redefines Metal AM

PRODUCT FEATURES



01 Double the Power

2 × 500 W dual lasers
Built for high-throughput production



02 Produce More in Less Time

Up to 10 m/s scan speed
10-25 cm³/h per laser



03 Capture Every Critical Detail

≤2 μrad repeat accuracy
99.9% scan linearity · 8 ppm/°C drift



04 More Powder. Longer Runs.

7 L powder capacity
Optional 11 L external powder hopper



05 Smarter Oxygen Control

Automatic oxygen monitoring
≤100 ppm chamber oxygen

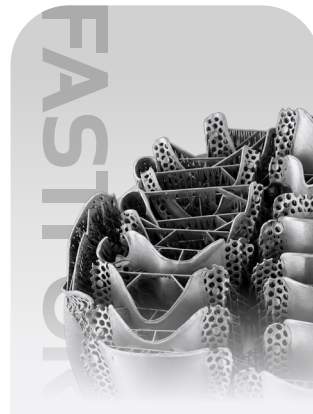
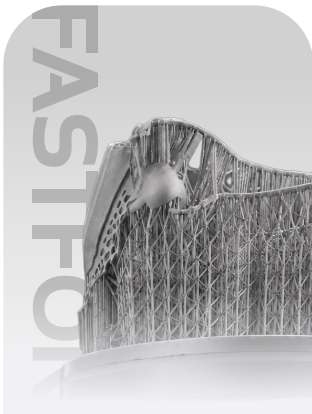


06 Less Maintenance. More Uptime.

Permanent filter design
≥30,000 h filter life

Applications

FF-M220 supports cobalt-chromium alloy, titanium alloy and commercially pure titanium powders from 20-150 μm. Its 220 × 140 × 100 mm build volume and dual 500 W lasers deliver higher throughput for demanding dental production.



SPECIFICATION

Item	Specification
Build Volume	220 × 140 × 100 mm
Laser	2 × 500 W
Scan Speed	0-10 m/s
Build Rate	10-25 cm ³ /h/laser*
Dimensional Accuracy	±0.1 mm (L≤100 mm); ±0.1% × L (L>100 mm)
Powder Size	20-150 μm
Materials	CoCr Alloy, Titanium Alloy, Pure Titanium
Machine Size	1200 × 750 × 1820 mm
Machine Weight	550 kg

*Build rate varies depending on part geometry, size, material and process parameters.



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