

Precise · Reliable · Productive

 **FASTFORM**

FF-M140



CE Certification



FDA Laser Safety
Certification



$\leq 2 \mu\text{rad}$
Repeat Positioning
Accuracy



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



$\varnothing 140 \times H100 \text{ mm}$
Build Volume

FF - M 1 4 0

Bits Power Atoms | AI Redefines Metal AM

PRODUCT FEATURES



01 Capture Every Critical Detail

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



02 Precision Meets Productivity

500 W laser · Up to 10 m/s
10-25 cm³/h build rate



03 Smarter Oxygen Control

Automatic oxygen monitoring
≤100 ppm chamber oxygen



04 Stable Powder Delivery

Top-feed powder system
Flexible recoater · Consistent spreading



05 Efficient Gas Management

Argon or nitrogen supported
Gas consumption ≤1 L/h

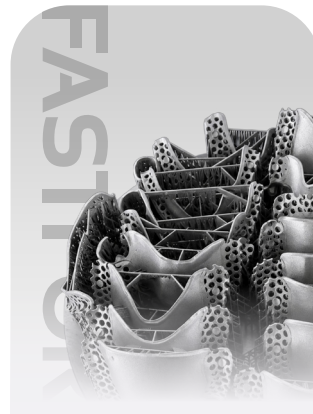
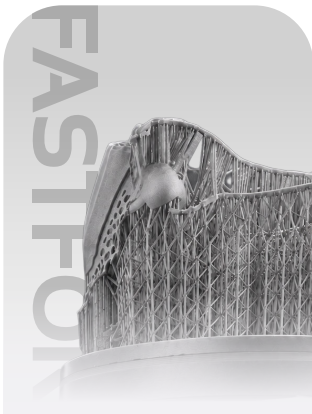


06 Less Maintenance. More Uptime.

Permanent filter design
≥30,000 h filter life

Applications

FF-M140 supports cobalt-chromium alloy, titanium alloy and commercially pure titanium powders from 20-120 μm. With an Ø140 × H100 mm build volume and high-precision scanning system, it is optimized for precise and efficient dental production.



SPECIFICATION

Item	Specification
Build Volume	Ø140 × H100 mm
Laser	1 × 500 W
Scan Speed	0-10 m/s
Build Rate	10-25 cm³/h*
Dimensional Accuracy	±0.1 mm (L≤100 mm); ±0.1% × L (L>100 mm)
Powder Size	20-120 μm
Materials	CoCr Alloy, Titanium Alloy, Pure Titanium
Machine Size	970 × 815 × 1750 mm
Machine Weight	450 kg

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

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