

Smaller · Faster · More Precise

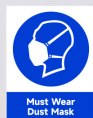
 **FASTFORM**

DeskFab X1




CE Certification


FDA Laser Safety
Certification



$\leq 4 \mu\text{rad}$
Repeat Positioning
Accuracy



Up to **7 m/s**
Scan Speed



$\varnothing 100 \times H80 \text{ mm}$
Build Volume

DeskFab X1

Bits Power Atoms | AI Redefines Metal AM

PRODUCT FEATURES



01 Capture Every Critical Detail

≤4 μrad repeat accuracy
99.9% scan linearity <50 ppm/°C drift



02 Produce More in Less Time

300 W laser · Up to 7 m/s
10-25 cm³/h build rate



03 Smarter Oxygen Control

Automatic calibration
≤100 ppm chamber oxygen



04 Precise Airflow, Digital Control

Digital airflow adjustment · PWM control
Less wear



05 Cleaning Made Simpler

Programmable cleaning cycles for easier
maintenance

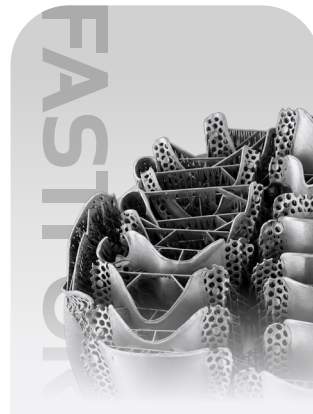
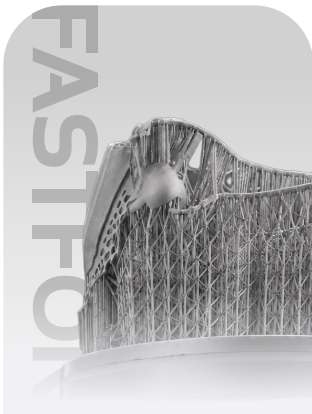


06 Simplified. Protected. Built to Run.

Simplified drive design
Multi-voltage system monitoring

Applications

DeskFab X1 supports cobalt-chromium alloy, titanium alloy, and commercially pure titanium powders from 20-80 μm. With a Ø100 × H80 mm build volume and dimensional accuracy of ±0.05 mm for parts up to 100 mm, it is configured for precision



SPECIFICATION

Item	Specification
Build Volume	Ø100 × H80 mm
Laser	1 × 300 W
Build Rate	10-25 cm ³ /h*
Dimensional Accuracy	±0.05 mm (L≤100 mm)
Powder Size	20-80 μm
Materials	CoCr alloy, Titanium alloy, Pure titanium
Machine Size	615 × 655 × 850 mm
Machine Weight	140 kg

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

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