



CARVETECH DESKTOP METAL 3D PRINTER

Application	Dental & Precision Metal Printing
Dimensions	600 × 650 × 800 mm
Footprint Area	0.39 m ²
Installation Type	Hassle-Free, Plug-and-Play
Printing Operation	One-Click Printing
Workflow Automation	AI-Driven Scan-to-Design in ~5 Minutes
Material System	Modular, Switchable Cartridges
Supported Materials	CoCr, Titanium (Ti) & More
Filter Maintenance	Lifetime Free Filter Maintenance
Filter Service Life	Up to 30,000 Hours
Maintenance Cost	Zero Filter Maintenance Cost
Efficiency Improvement	Up to 20% Boost in Printing Efficiency

ADVANTAGES

All-in-One Design	Saves space, reduces setup complexity
Lifetime Filter System	Eliminates recurring maintenance costs
AI Automation	Reduces operator skill dependency
Modular Materials	Easy switching between metal powders
LFPT [™] Technology	Faster builds with higher consistency



CT M-140C METAL 3D PRINTER

Print Size	Ø140 × H100 mm
Machine Size	1050 × 870 × 1750 mm
Machine Weight	450 kg
Powder Layer Thickness	50-80 µm
pot Size	0.02-0.15 mm
Number of Lasers	Single Laser
Scraper Type	Flexible Scraper
Power Supply Type	Single-Phase 220V
Laser Power	500 W
Protective Gas	Argon / Nitrogen
Avg. Power Consumption	1.5 kW
Cooling Mode	Water Cooling
Min. Oxygen Content	0.1%
Powder Spreading Method	Uni-Directional Powder Spreading
Substrate Fixing	Quick-Mount Substrate
Accuracy	±0.05 mm
Scan Speed	0-10 m/s
Max Powder Addition	2.5 L
Typesetting Mode	Auto Path Planning
Resume After Power Loss	Supported
Printable Materials	Co-Cr, Titanium Pure Titanium
Filter Life	30,000 Hours

ADVANTAGES

Crown Output	Up to 150 Crowns
Crown Time	2-5 Hours
Framework Output	Up to 15 Frameworks
Framework Time	4-6 Hours
Filter Type	Permanent Filter
Data Processing	5 Minutes



SAMPLES

