

SMALL BUT POWERFUL

compact size
uncompromised performance



NCL-M100

Desktop Metal 3D Printer

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01

All-Metal Explosion-Proof Body

Dual protection for safety and stability — truly supports titanium alloy printing.

02

Industrial-Grade Bi-Directional Recoating

The upgraded core engine boosts efficiency — 25% faster than single-direction recoating.

03

German-Made Permanent Filter

With a lifespan of up to 30,000 hours, it ensures lower lifetime maintenance costs.

04

Industrial-Standard Core Components

The build cylinder, recoater, and powder collection system are engineered to industrial standards for long-term stable performance.

05

Lionsky Smart Nesting Software

Developed in-house for intuitive use — get started in just 20 minutes, solving the challenges of time-consuming nesting.

06

Ultra-Simple Workflow

Modular design enables plug-and-print operation — start production within 10 minutes of setup.



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Item	Parameter	Item	Parameter
Layer Thickness	20-100um	Max. Build Size	Ø100×80mm
Power Supply	AC200-240V 4.25kw	Laser Type	Fiber Laser
Printing Materials	Ti, Ti Alloy, Co-Cr Alloy, SS, etc.	Laser Power	300W/500W(optional)
Weight	240kg	Optical Scanning System	F-THETA Lens, High-Speed Galvanometer
Data Format	STL or other convertible standard formats	Spot Diameter	20-30µm
Software	Independent R&D	Dimensions	700×680×970 mm

**Nitrogen Generator**

Nitrogen Purity (%) / Output (Nm³/h)					Net Weight	Dimensions
99%	99.5%	99.9%	99.99%	99.999%	90kg	600×500×1280 mm
2.5	2.2	1.8	1	0.8		

**Stainless Steel Drying Oven**

Chamber Material: Stainless Steel	Timer Range: 1 - 999 min
Voltage / Power: 220V/500W	Capacity: 16 L
Chamber Size: 25×25×25cm	Temperature Resolution: 1 °C
Temperature Range: RT +10°C-300°C	Heating Speed: —
Dimensions: 51×38×41cm	Heating Method: Bottom Heating

**Quartz Tube Furnace**

Max. Temperature: 1000°C-1100°C	Dimensions: 580×440×900mm
Chamber Size: Ø158mm	Control System: One-touch operation, fully automated
Efficiency: CoCr framework: 1h40min	Power Consumption: 4 kW
Result: Non-oxidizing, brighter surface	Power Supply: 220V (breaker approx. 32A)



Band Saw



Vacuum Cleaner



Electric Vibrating Sieve