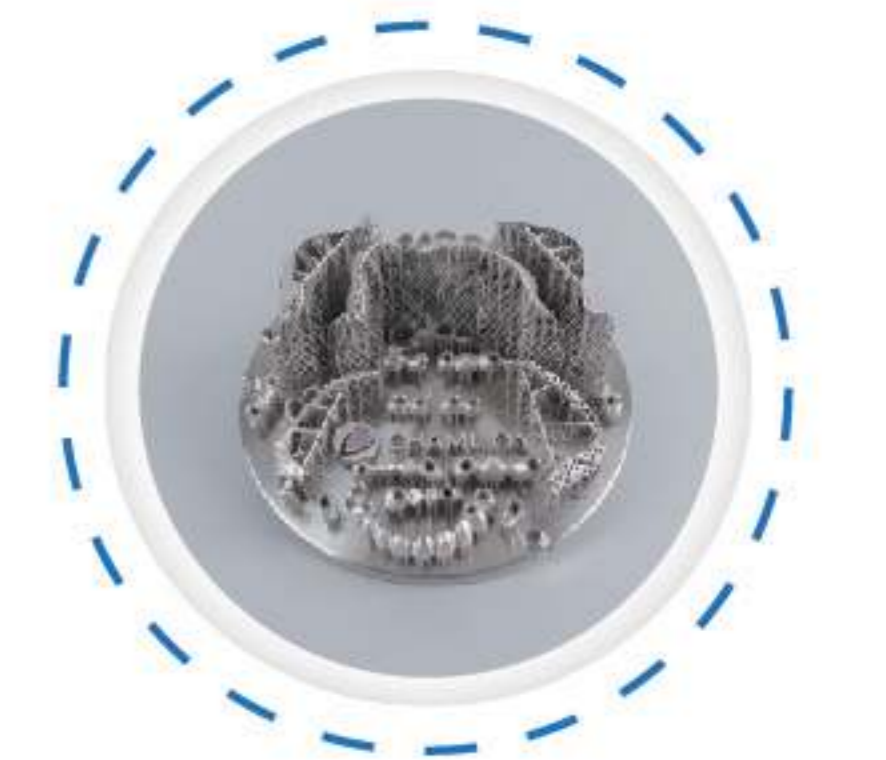
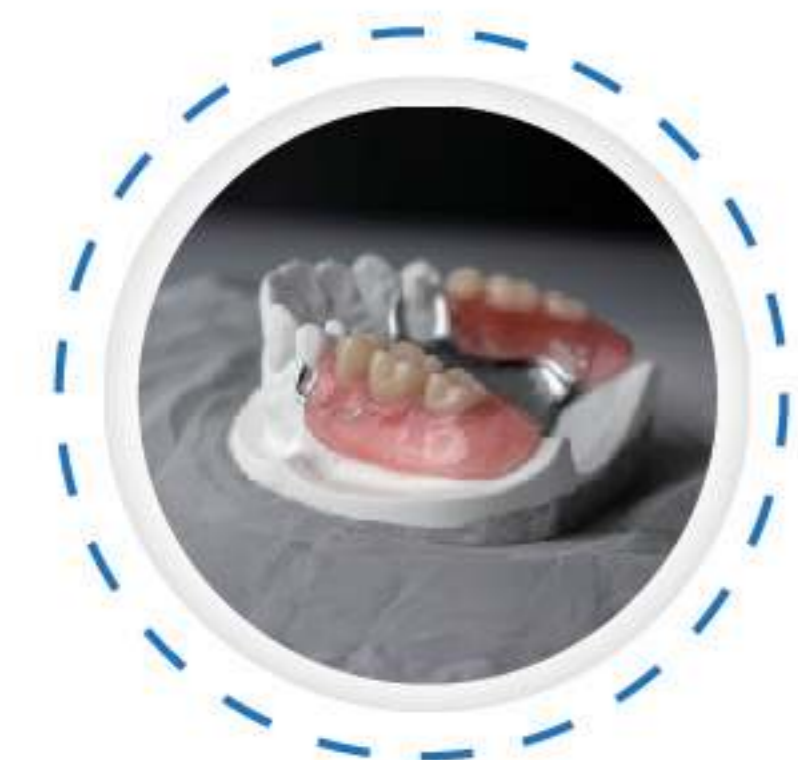


Automatic Powder Station

NCL-M180A

DENTAL-SPECIFIC METAL 3D PRINTER



Auto Powder Sieved

User Friendly

100% Unattended Operation



High Efficiency



Low Waste



Long Lifespan

M180A

M180A DENTAL METAL 3D PRINTER

- Large print area of 180mm: Capable of printing over 30 partial frameworks and 330 crowns in a single run (actual quantity varies depending on layout and layer thickness).
- Equipped with a mobile powder station for automated powder recycling, reducing powder spreading time and improving printing efficiency.
- Bidirectional powder spreading: Shorter powder spreading distance in a single cylinder, greatly enhancing printing efficiency.
- Optimized filter system structure: Enhanced back-blow effect, improved filter lifespan, and powder utilization, making it easier to replace filters and clean the box.



ASA800

ASA800 Automatic Powder Station

- Integrated mobile powder station with recovery, sieving, conveying, and recycling systems, enabling both powder and airflow circulation with a single machine.
- Allows for unattended printing operations.
- Optimized pipeline architecture and control logic greatly simplify equipment connections.
- Lightweight sieve body with adjustable tilt angle, utilizing both ultrasonic and vibrating motors on the sieve mesh to enhance sieving efficiency.



Technical Parameters

Item	Parameters
Max. Build Volume	φ180*120mm
Laser Type	Fiber Laser
Laser Power	300W*2
Optical Scanning System	F-THETA lens, high-speed scanning galvanometer
Max.Scanning Speed	7m/s
Beam Focus Diameter	40-50μm
Layer Thickness	20-100μm
Power Supply	AC200-240V 5.75KW
Min. Oxygen Content in Build Chamber	≤100ppm
Machine Size	1193X834X1866mm
Printing Material	Pure Titanium, Titanium Alloy, Cobalt Chromium Alloy, Stainless Steel, High Temperature Alloy, etc.
Weight	600kg
Data Format	STL file or other convertible standard formats
Software	Independent R&D

Technical Parameters

Item	Parameters
Powder tank capacity	20L
Power supply	220V
Powder transport efficiency	≥0.6L/min
Powder recycle efficiency	≥0.6/min
Powder sieving efficiency	≥1kg/min
Oxygen content	≤3000ppm
Weight	300kg
Size	1000*870*1990mm

Nanjing Chamlion Laser Technology Co., Ltd.

Website: www.chamlion.com Phone: 025-69598899

Email: sales@chamlion.com

Address: Building 2, Dongcheng, No. 15 Fengji Avenue, Yuhuatai District, Nanjing, China

