

INTELLIGENT & SUPREME 3D Printer in metal

For crown/coping and partial frame



Profeta Intelligent Technology Co., Ltd, China Copyright @2022 Profeta All Right Reserved Usable construction volume 250 mm*180 mm*160 mm(X,Y,Z)

Layer thickness $20\text{-}60~\mu\text{m}$ Scanning speed Up to 15m/s

Productivity Approxi 1000-1500 dental crowns or copings/day

90-120 partial frames/day

Laser Type Yb-fiber laser; 300W*2

Focus diameter 30-50 µm
Power AC220 V, 25 A

5.5 kW

Shielding gas <12L/min (Nitrogen, Argon)

System size 1370*1150*1850 mm

Weight 1000 kg Operating temperature 18–30 $^{\circ}$ C

Materials Support Titanium or Cobalt-Chromium Alloy Products Support crowns, copings and partial frames



Complete process support

- Over 4 years of testing in the field, well intergrated in customer process;
- Provide advanced supporting equipment, such as customized powder-dust collectors and Nitrogen Generator (optional).

High efficiency

- · Capable of printing Titanium copings and partial frame simultaneously;
- 90-120 partial frames/day;
- Approxi 1000-1500 dental crowns or copings/day.

Technical advantages

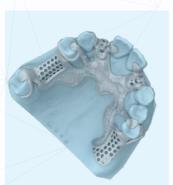
- · Best-in-class printing quality;
- · Advanced software specially designed for dentistry.

Professional services

- Value-adding service: Digital consultation and training in implant guides and dental appliances, etc;
- Provide emergence management system for customers(optional).

Consultations for the clients

- · Assist in clarifying business value prior to project approval;
- Assist clients' business process optimization from conventional casting to digital 3D printing.









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