

# INTELLIGENT & SUPREME 3D Printer in metal

For crown/coping and partial frame



## INTELLIGENT&SUPREME 200 (IS200)

Usable construction volume	250 mm*180 mm*160 mm(X,Y,Z)
Layer thickness	20-60 $\mu\text{m}$
Scanning speed	Up to 15m/s
Productivity	Approx 1000-1500 dental crowns or copings/day 90-120 partial frames/day
Laser Type	Yb-fiber laser; 300W*2
Focus diameter	30-50 $\mu\text{m}$
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 $^{\circ}\text{C}$
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 integrated 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;
- Approx 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.

