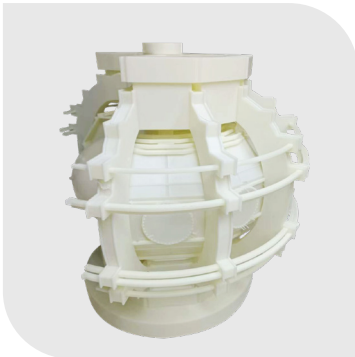


# 1000PRO

## Kings Industrial SLA 3D Printers

23 Innovative Technologies, High Speed SLA 3D Printing  
Efficient and Cost-Effective Prototyping  
Bring Your Idea into Reality



## ◆ Overview

The Kings 1000Pro SLA 3D printer leads in precision and performance for professional 3D printing. It excels in crafting medium and large sized models, like intricate prototypes, detailed dental models, and complex engineering designs with unmatched accuracy. Integrated with advanced scanning and CAD software, it ensures precise data handling and streamlined workflows across industries like dentistry, jewelry, and engineering. Ideal for demanding projects, the The Kings 1000 SLA 3D printer set a new standard in additive manufacturing, offering exceptional quality and reliability.

## ◆ Advantage

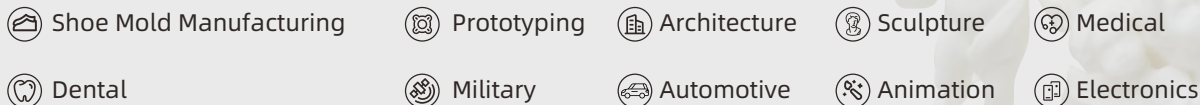
### • Enhanced Printing Efficiency

- Intelligent high speed scanning system, 15m/s
- Variable laser spot and variable power
- Automatic identifying upskin and downskin with differentiated parameters
- Different Parameter databases with different layer thickness

### • Long-term Printing Stability

- Key components from international top brands
- Full marble structure for enhanced recoating and scanning stability
- High stiffness light recoater to ensure recoating accuracy and efficiency
- Compensation algorithm for multi-head system, ensuring uniform curing in the printing range

## ◆ Ideal Applications



## ◆ Technical Data

|                                         |                                                                               |
|-----------------------------------------|-------------------------------------------------------------------------------|
| Max Printing Size                       | 1000*1000*600mm                                                               |
| Machine Size                            | 160cm(W)*170cm(D)*243cm(H)                                                    |
| Rated Power Consumption                 | 1.8KVA                                                                        |
| Machine Weight                          | 1630kg                                                                        |
| First Tank Resin                        | 850kg                                                                         |
| Beam Size (diameter @1/e <sup>2</sup> ) | 0.08-0.8mm(Variable beam sizes)                                               |
| Max Scanning Speed                      | 15.0m/s                                                                       |
| Layer Thickness                         | 0.05mm~0.2mm                                                                  |
| Accuracy                                | ±0.1(L≤100mm); ±0.1%*L(L>100mm)                                               |
| Laser Type                              | Solid-state frequency tripled Nd: YV04                                        |
| Wavelength                              | 355nm                                                                         |
| Power                                   | Resin surface power≥300 mw                                                    |
| Variable Beam System                    | Galvo/Closed-loop                                                             |
| Main Structure                          | Marble recoater frame, marble elevator holder and marble scanning system base |
| Coating Mode                            | Intelligent position vacuum recoating                                         |
| Vertical Resolution Ratio               | 0.0005mm                                                                      |
| Repeat Positioning Accuracy             | ±0.01mm                                                                       |
| Motion Control System                   | Closed-loop                                                                   |
| Machine Control Software                | KINGS 3D control software                                                     |
| Input Data File Format                  | STL/SLC                                                                       |
| Operating System                        | Windows 10                                                                    |
| Network Type and Protocol               | Ethernet, TCP/IP                                                              |
| Electrical Requirement                  | 200-240VAC 50/60Hz,single-phase,10A                                           |
| Ambient Temperature                     | 20-26°C(72-79F)                                                               |
| Relative Humidity                       | <40%, non-condensing                                                          |
| Machine Warranty                        | 1 years (including laser)                                                     |



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