

# KINGS 6035PRO

## 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 SLA 6035Pro 3D Printer is a vital tool in the shoe industry. This shoe mold 3D printer excels in creating original shoe designs and insoles, enabling fast prototype production and the exploration of new manufacturing processes. With high-precision SLA technology, it ensures accurate and detailed prints, making it indispensable for innovative shoe manufacturing.

## ◆ 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 database 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

 Shoe Mold Manufacturing

 Automotive Parts

 Anime and Cartoon

 Sculpture

## ◆ Technical Data

|   |   |
|---|---|
| Max Printing Size                       | 600*350*350mm   |
| Machine Size                            | 118cm(W)*99cm(D)*217cm(H)   |
| Rated Power Consumption                 | 1.2KVA  |
| Machine Weight                          | 780kg   |
| First Tank Resin                        | 130kg   |
| Beam Size (diameter @1/e <sup>2</sup> ) | 0.08-0.8mm(Variable Beam)   |
| 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                        | 2 years (including laser)   |

