Small Budget Smart Build

SoonSer Smart Series SLA 3D Printers

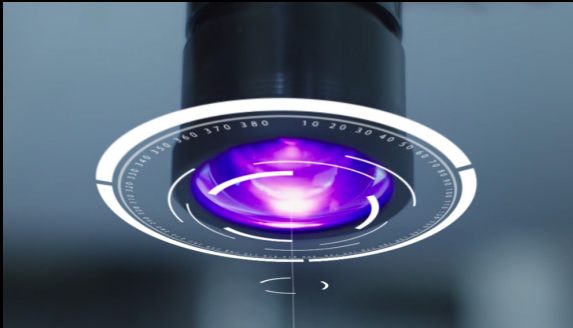**Efficiency** **Performance** **Intelligence**

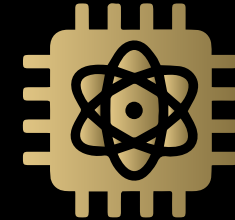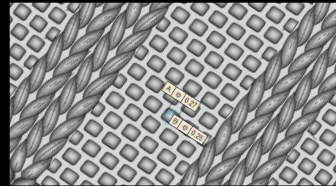# Stable, High Resolution and Intelligent

High Stability

SoonSer Smart

- ◉ Integrated modularized design
- ◉ Triaxial marble base board
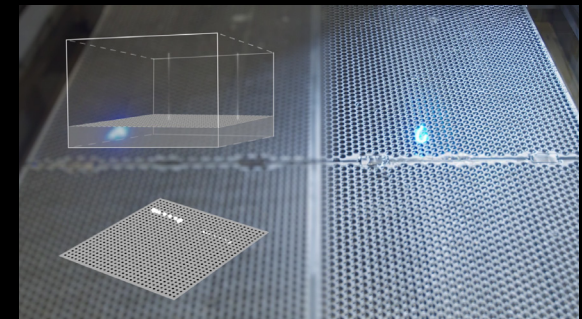- ◉ All-in-one frame structure
- ◉ Excellent optical instrument

High Accuracy and Fine Details

SoonSer Smart

Print accuracy: 50μm

Case study resolution:

Vertical: 0.25mm

Horizonal : 0.27mm

Intelligent and Convenient

SoonSer Smart

- ◉ Easy installation build plate
- ◉ Replaceable resin tank
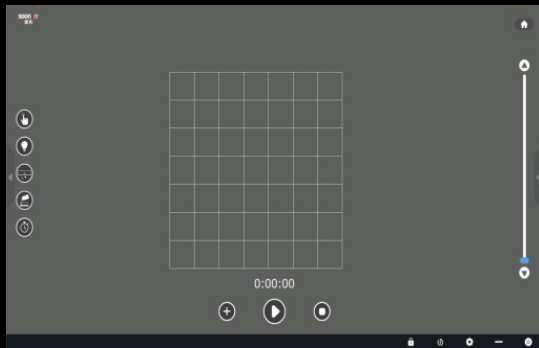- ◉ Remote monitoring
- ◉ Real time laser detection

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Easy to Use, Safe and Environmental Friendly

SoonSer Smart

Guided Control System

(AsterRay Software)

- ◉ Fully guided print process
- ◉ One-click preparation
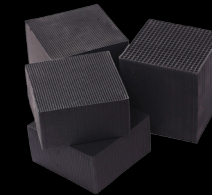- ◉ Power outage recovery print system
- ◉ One-click print

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Accredited by Renown Authority

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Two-tier Deodorization System

◉ Activated Carbon

Water and high-tempera-ture resistance, increased toughness and absorption with high temperature treatment

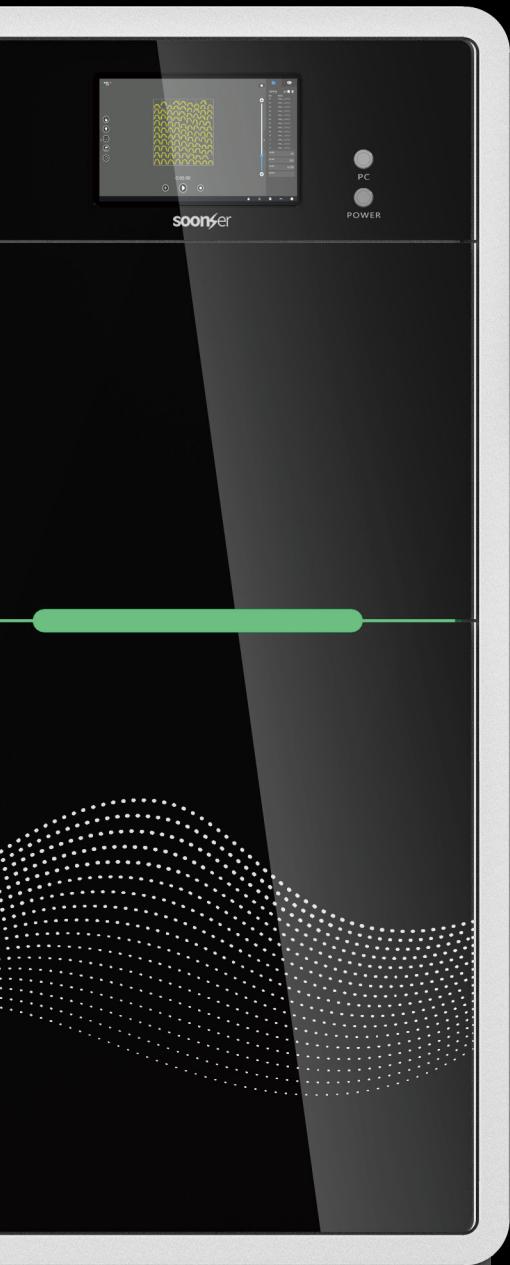◉ HEPA Filter

Filter particles as small as 0.3 micron

SoonSer Smart

SoonSer Smart Technical Specification

Model	Smart-400H	Smart-300H
Printing Dimension	400mm×400mm×300mm	300mm×300mm×250mm
Printing Accuracy	*1 ±0.1mm(L＜100mm);±0.1%xL(L≥100mm);	*1 ±0.1mm(L＜100mm);±0.1%xL(L≥100mm);
Layer Thickness	0.05mm-0.2mm optional	0.05mm-0.2mm optional
Scanning Speed	typical speed 6-15m/s	typical speed 6-15m/s
Printing Efficiency	*2 50-150g/h	*2 50-150g/h
Laser	Diode Pumped Solid State laser,3W	Diode Pumped Solid State laser,3W
Optical Scanning System	high speed scanning galvanometer	high speed scanning galvanometer
Optical Focusing System	F-theta lens	F-theta lens
Spot Mode	fixed facula	fixed facula
Spot Size	0.08mm	0.08mm
Motion Platform	three-axis marble base board	three-axis marble base board
Quick Easy Set-up Plate	standard configuration	standard configuration
Internal Dehumidification System	standard configuration	standard configuration
Internal Deordorization System	HEPA+activated carbon	HEPA+activated carbon
Remote Printing Speculation System	standard configuration	standard configuration
Real Time Laser Power Detection	optional configuration	optional configuration
Controlling System	AsterRay2.0	AsterRay2.0
Data Format	*.stl/*.slc/*.cli	*.stl/*.slc/*.cli
Mainframe Parameter (Recommended)	I5,2.3GHz dominant frequency. 8GB of memory;windows®7 (or later)	I5,2.3GHz dominant frequency. 8GB of memory;windows®7 (or later)
Equipment Size	800mm*980mm*1750mm(W×D×H)	800mm*980mm*1750mm(W×D×H)
Equipment Weight	350KG (without resin)	350KG (without resin)
Operating Voltage	200-240V,50/60Hz, 1.2kW(monophase)	200-240V,50/60Hz, 1.2kW(monophase)
Operating Temperature	20-26℃	20-26℃
Operating Humidity	less than 40%	less than 40%
Operating Enviroment	stable enviroment	stable enviroment

*1 Accuracy would be affected by model size, and the deformation caused by model structure.

*2 Printing efficiency depends on the wall thickness, structure, cover area of the model.

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