SHINING 3D®
For More Shining Ideas

EP-A350/450/650
3D PRINTER
STEREO LITHOGRAPHY

FEATURES

Stable & Reliable

- Dense high precision marble moving substrate
- Self-developed software, support continuous upgrade
- Automatic detection & calibration by functional module ensure working stability
- Optimized structure, less maintenance

High Efficiency

- Patented ***VarioBeam*** technology
- High-speed scan
- Brand-new software brings one-click print and outstanding performance

High Accuracy

- Self-developed 3D optical high-precision calibration technology
- Avoiding the influence of human factors

User-friendly & Intelligent

- Provide different processing parameter package
- Broad application flexibility
- Remote control available

New Software

EP-Resin, machine controlling software

RECOMMENDED MATERIALS

Somos® GP Plus 14122

White opaque material, similar as ABS and PBT, an ideal choice for automobile, aerospace and consumption products, also can be used in biomedicine, dental and skin applications.

Somos® WaterShed XC 11122

Transparent material without color, similar as ABS and PBT, with exceptional clarity and high water-resistance, an ideal choice for automobile, medical and consumption products, including lens, packing, fluid flow analysis, concept models, etc.

Somos® PerFORM

White material, with high heat tolerance, outstanding detail resolution and stiffness, ideal material for a variety of applications including tooling, wind tunnel testing, high temperature testing, electrical casings and automotive housings.

SH8900

White material, with good surface effect and ductility, an ideal choice for hand models, functional parts, models, etc.

Open Platform

Compatible with standard 355 nm photosensitive resin.

TECHNICAL SPECIFICATIONS

EP-A350/EP-A450/EP-A650

Model	EP-A350	EP-A450	EP-A650
Build Volume	350 x 350 x 300 mm	450 x 450 x 350 mm	650 x 600 x 400 mm
Layer Thickness	0.05 mm~0.25 mm to choose		
Spot Size	0.08 mm~0.2 mm (standard)	0.08 mm~0.8 mm (optional ***Variobeam***)	
Build Accuracy*	±0.08 mm (L<100 mm); ±0.08%xL (L≥100 mm)	±0.1 mm (L<100 mm); ±0.1%xL (L≥100 mm)	
Laser	Diode-pumped solid-state laser Nd:YVO4 wavelength:355 nm		
Typical Scanning Speed	6 m/s~10 m/s		
Dimension	1100*950*1640 mm	1350*1200 *2050 mm	1500 *1300*2200 mm
Net Weight	440 kg	900 kg	1050 kg
Resin	70 kg	120 kg	250 kg
Power Supply	200-240 VAC, 50/60 Hz, single phase		
Software	EP-Resin		
Input Data	*.stl/*.slc/*.cli/*.epi		
Working Platform	Marble platform (A0 level)		
Optical Scanning System	High-speed scanning galvanometer		
Operating Environment	Temperature 20-26℃; relative humidity <40% (non-condensing)		

*Notice: SHINING 3D reserves the right to explain any alteration of the specifications and pictures.