

# 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 <i>Variobeam</i> )		
Build Accuracy*	±0.08 mm (L<100 mm); ±0.08%×L (L ≥ 100 mm)	±0.1 mm (L<100 mm); ±0.1%×L (L ≥ 100 mm)	
Laser	Diode-pumped solid-state laser Nd:YVO4 wavelength:355 nm		
Scanning Speed	15m/s (Max) 6-10m/s(Typical)		
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)		
Material Level Position Accuracy	±0.02		
Focus Lens	F-theta Lens system		
Optical Scanning System	High-speed scanning galvanometer		
Operating Environment	Temperature 20-26°C; relative humidity <40% (non-condensing)		

\* Notice: E-Plus 3D reserves the right to explain any alteration of the specifications and pictures.

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