



Origin® Two

Origin® Two brings advanced 3D printing capabilities to end-use production, tailored for applications requiring high accuracy, repeatability, tight tolerances and smooth surface finish.

Product Specifications	
Technology	Programmable PhotoPolymerization P3TM DLP (Digital Light Processing)
Achievable Accuracy	XY and Z tolerance of up to +/-50 µm for validated applications and +/- 100 µm in general.
Repeatability	>95% of prints are within +/-50* µm across printers and build heads* *Between 25 µm – 200 µm layers with OpenAM™
Surface Finish	Surface roughness of up to 2µm Ra*
Build Volume (XYZ)	192 x 108 x 370 mm / 7,672 cm ³ (7.5 x 4.25 x 14.5 in. / 462 in ³) Maximum length on the diagonal – 220 mm (8.6 in.)
Light Engine	5K projector with 38.5 µm pixel size and tight 2.5 standard deviation projector uniformity
Materials	Photocurable materials, single component: <ul style="list-style-type: none"> Validated materials developed by Stratasys and its material partners Any material, via the OpenAM™ License Changeover can be completed in under 10 min. Long shelf lives and re-usable Three starter materials included More on materials for Origin Two on the Stratasys website P3 Materials (stratasys.com)
Minimum Feature Size	Material and design dependent
Wavelength	385nm
Pre-Print Software	Stratasys GrabCAD Print™ or optional 3rd party solutions Touchscreen printer user interface
Regulatory Compliance	CE, UKCA, FCC, RCM, NRTL [pending]
Physical Footprint	
System Size and Weight	Width: 50 cm (19.7 in.) Depth: 52 cm (20.5 in.) Height: 117 cm (46 in.) Weight: 86 kg (189.5 lbs.)
Facility Requirements	
Power Requirements	100-120 VAC, 50/60Hz, 7.1A, 1 Ph or 200-240 VAC, 50/60 Hz, 3.5 A, 1 Ph
Network Connectivity	Ethernet Offline connectivity available with Origin Two Local
Ventilation	Refer to photopolymer material MSDS or contact Stratasys rep for guidelines.
Operating Conditions	Operating temperature in the range of 18 °C to 25°C (59°F to 86°F), with humidity range of 30% to 70%
Gas Exhaust (optional)	Facility exhaust



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Product Specifications

Material Handling

Resin Tray Capacity

2L

Resin Storage Temperature

Typically 15°C to 30°C (59°F to 86°F)

Printer Handling

Transportation and Storage Temperature

Typically -20°C to 50°C (-4°F to 122°F)

Security Features

Printer Authentication

Cryptographically secure handshake

Network Security

Industry-standard end-to-end encryption

Available ancillary equipment

Air Extraction

ProAero™

Post-processing

Origin Cure™ - The published printer specifications for accuracy, tolerances, injection-molding like surface finish require use of Origin Cure post-processing unit.

Accessories

Including Tray Pour Jig; Lid; Pour Spout; Stand; Tray; Part Removal Jig; Scraper Jig, Printer stand, Build-Head Removal Jig ("No-drip")

*Material and geometry dependent



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Certified

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