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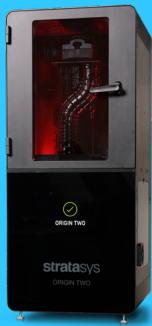
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SOLUTIONS FOR A 3D WORLD™

Product Spec Sheet
P3™ DLP

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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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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