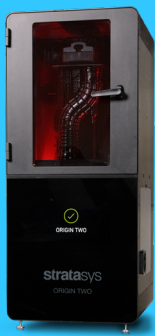


# Origin® Two

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



# Origin® Two

## 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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