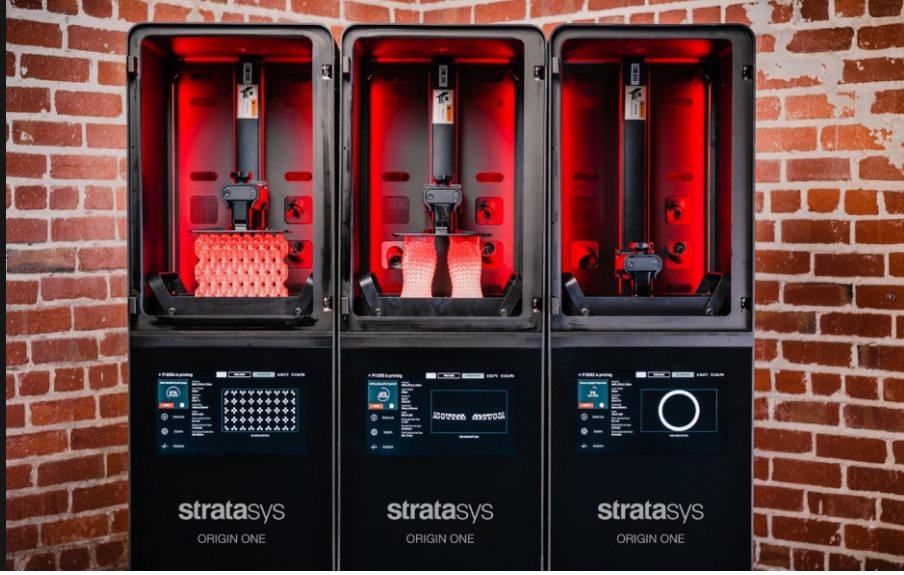
PIXEL SISTEMAS

Stratasys Origin ® One



How is the Origin One different?

Next-generation 3D printing platform for mass production.

- A viable production solution to replace injection molding or CNC machining, with compelling economics and comparable surface and mechanical qualities for volumes of thousands of parts.
- Growing catalog of materials for a range of applications and properties, including tough and high impact, high heat, elastomers, medical-grade and general-purpose resins.

Cutting-edge technology: Programmable PhotoPolymerization P3™.

- P3™, an evolution of Digital Light Processing (DLP) technology, addresses the fast-growing demand for 3D printed tooling and functional end-use parts.
- Powered by a patented pneumatic separation mechanism to reduce separation forces and achieve faster print times, ultra-fine features and an expanded range of geometries with incredible accuracy.
- Precision mechanical movement control, paired with an advanced 4K UV light projector, delivers exceptional part quality.

Available materials	Growing catalog of resins produced by partners such as Henkel, BASF, and Covestro. Refer to Stratasys website for an up-to-date selection.
Build volume	Build area 192 x 108 x 370 mm / 7,672 cm³ (7.5 x 4.25 x 14.5 in / 462 in³)
XY resolution	50 µm
System size and weight	49 x 51 x 113 cm (19 x 20 x 44 in) 81 kg (180 lbs)
Build prep software	One year of Fusion 360 with Netfabb, Premium included.
Power requirements	90–264 VAC, 50–60 HZ, 700 W, 1 phase Compatible with standard 110V and 220V

Common industries.

- Industrial equipment
- Tooling
- Aerospace and automotive
- Consumer goods
- Medical

User applications.

- Connectors, adapters and enclosures
- Clamps, ducts, molds and inserts
- Medical components and consumables
- HVAC components
- Gaskets, seals, handles and grips

High-performance production at scale:

Exceptional quality.
Surface roughness as fine as
0.2 µm Ra
Tolerances as low as
0.001 in

Performance materials.
Impact strength up to
75 J/m
Tensile strength up to
90 MPa
Elongation at break up to
300%

Thousands of parts in days.
+10x
Faster than traditional SLA. Print solid objects like injection molds with no warpage.

Post processing times will vary by material.

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