Stratasys Origin® One

A transformative 3D printer enabling mass production of end-use parts in a diverse range of high-performance materials. Achieve industry-leading accuracy, consistency, detail and throughput with Programmable PhotoPolymerization P3™ technology. In situ analytics, combined with automatic pressure, pull force and temperature regulation, ensure the first part is the same as the last. See powerful product improvements over time, with over-the-air software updates that unlock new advanced materials and workflow optimizations.

General	
Technology	Programmable PhotoPolymerization P3™
Materials	Photocurable materials from Stratasys ecosystem material partners. Refer to Stratasys website for an up-to-date selection.
Build Envelope (XYZ)	192 x 108 x 370 mm / 7,672 cm³ (7.5 x 4.25 x 14.5 in. / 462 in³) Maximum length on the diagonal – 220mm (8.6 in.)
Minimum Feature Size	Material and design dependent, as low as 50μm
Resolution	4K light engine
Process Energy	UV (385nm) and thermal
Software	Origin One cloud based web application
Regulatory Compliance	CE, FCC

Physical Footprint	
System Size and Weight	49 x 51 x 113cm (19 x 20 x 44 in.) 81 kg (180 lbs.)

Facility Requirements	
Power Requirements	90 - 264 VAC, 50 - 60 HZ, 700 W, 1 phase
Network Connectivity	Ethernet / WiFi with secure network configuration
Ventilation	Refer to photopolymer material MSDS or contact Stratasys rep for guidelines.
Operating Conditions	Operating temperature 15 °C to 30 °C (59 °F to 86 °F) Operating Humidity 30-70%
Gas Input (optional)	Facility air or inert gases
Gas Exhaust (optional)	Facility exhaust

Material Handling	
Resin Tray Capacity	2L
Resin Storage Temp	Typically 15-30 °C (59-86 °F)

Security Features	
Printer Authentication	Cryptographically-secure handshake
Network Security	Industry-standard end-to-end encryption