Hello Origin® One, goodbye tooling lead times.

Say yes to more jobs with expanded production capabilities.

Get to market faster by converting parts to Origin One — manufacture on demand without inventory or retooling penalties.

stratasys

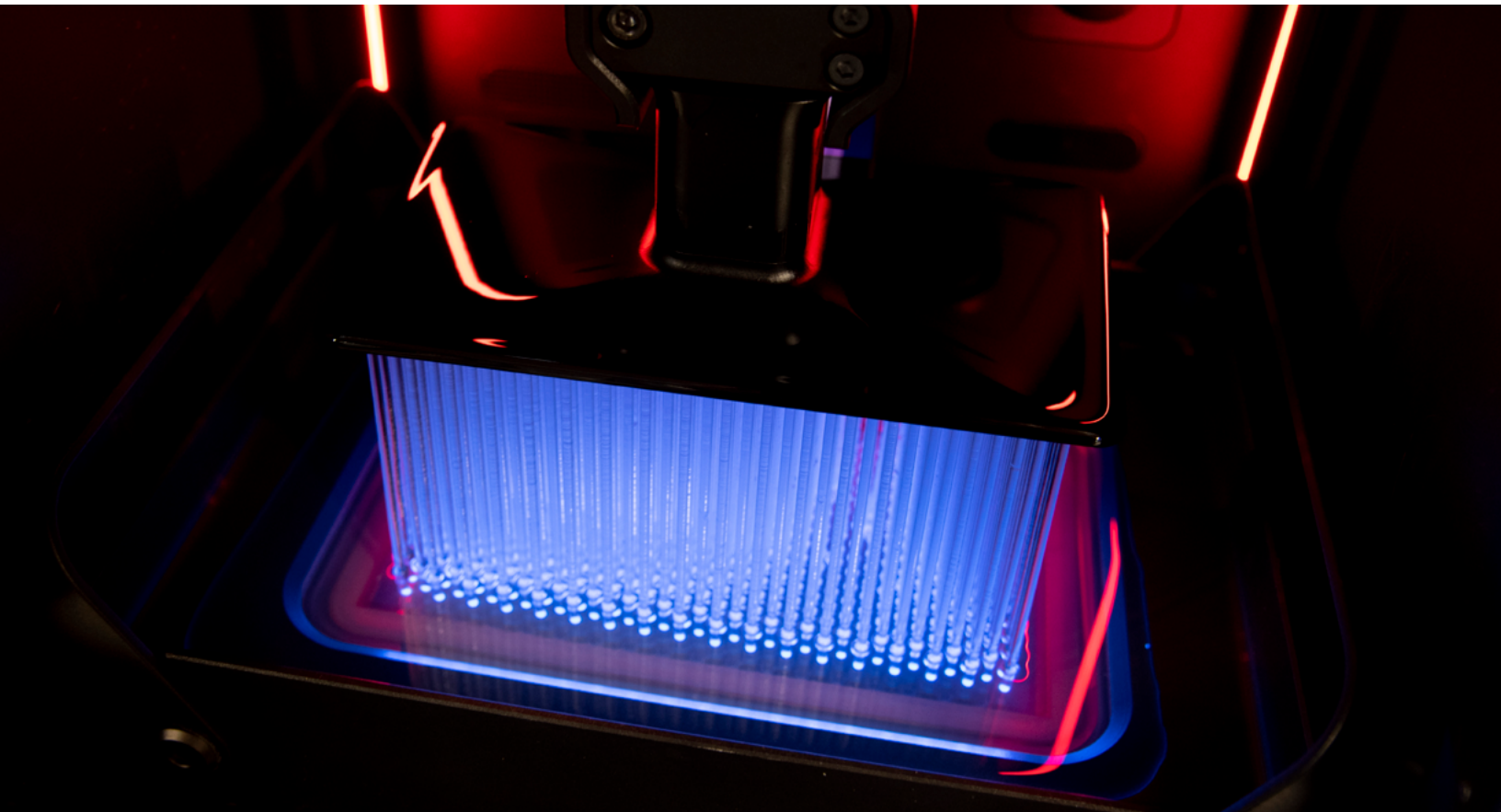
Brochure

Next-level part production starts here.

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, separation 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.

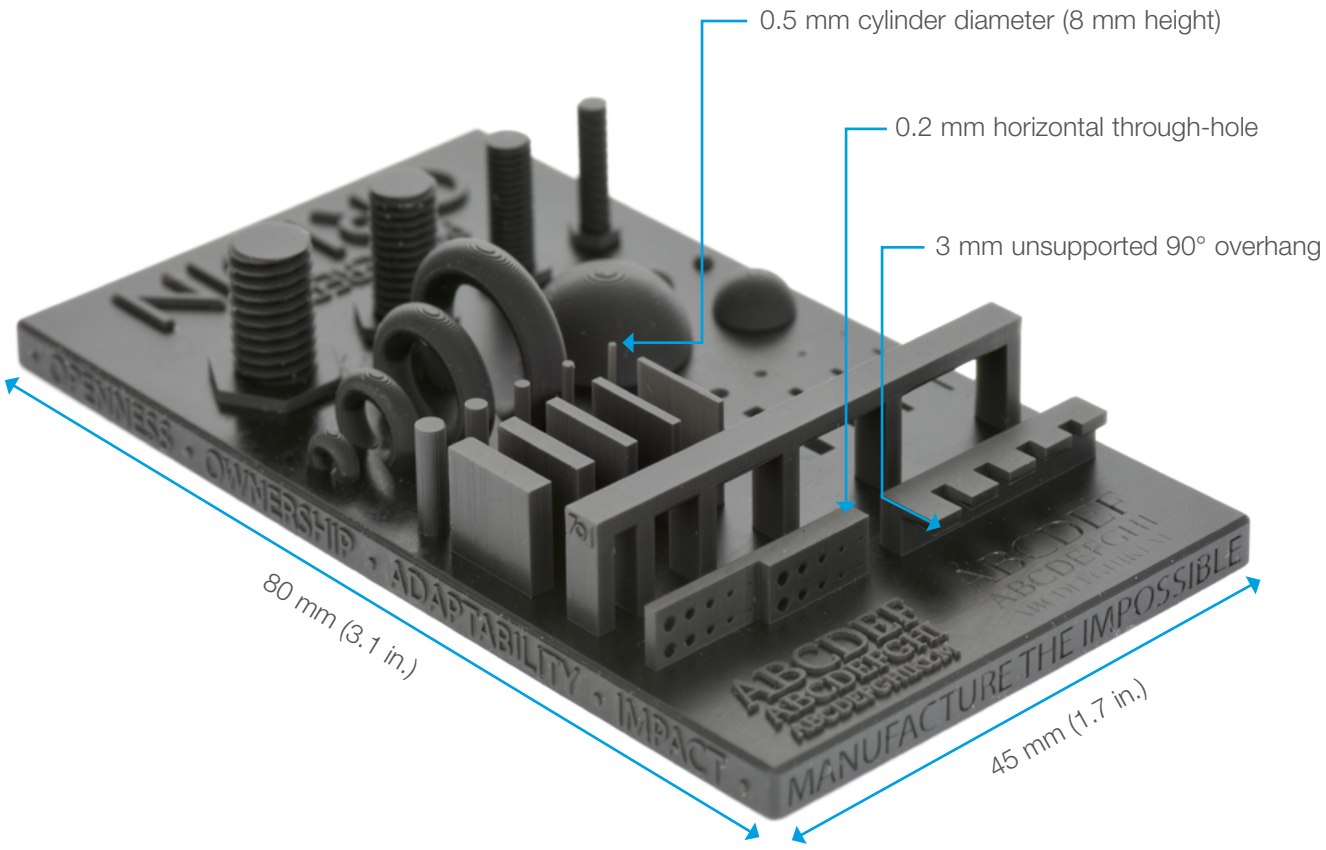
High throughput, combined with best-in-class repeatability, helps you expand production without delays, so you can launch faster and respond flexibly to shifts in demand, while maintaining minimal inventory. Leverage the design freedom of 3D printing to reduce part count, simplify your workflow and improve product performance.

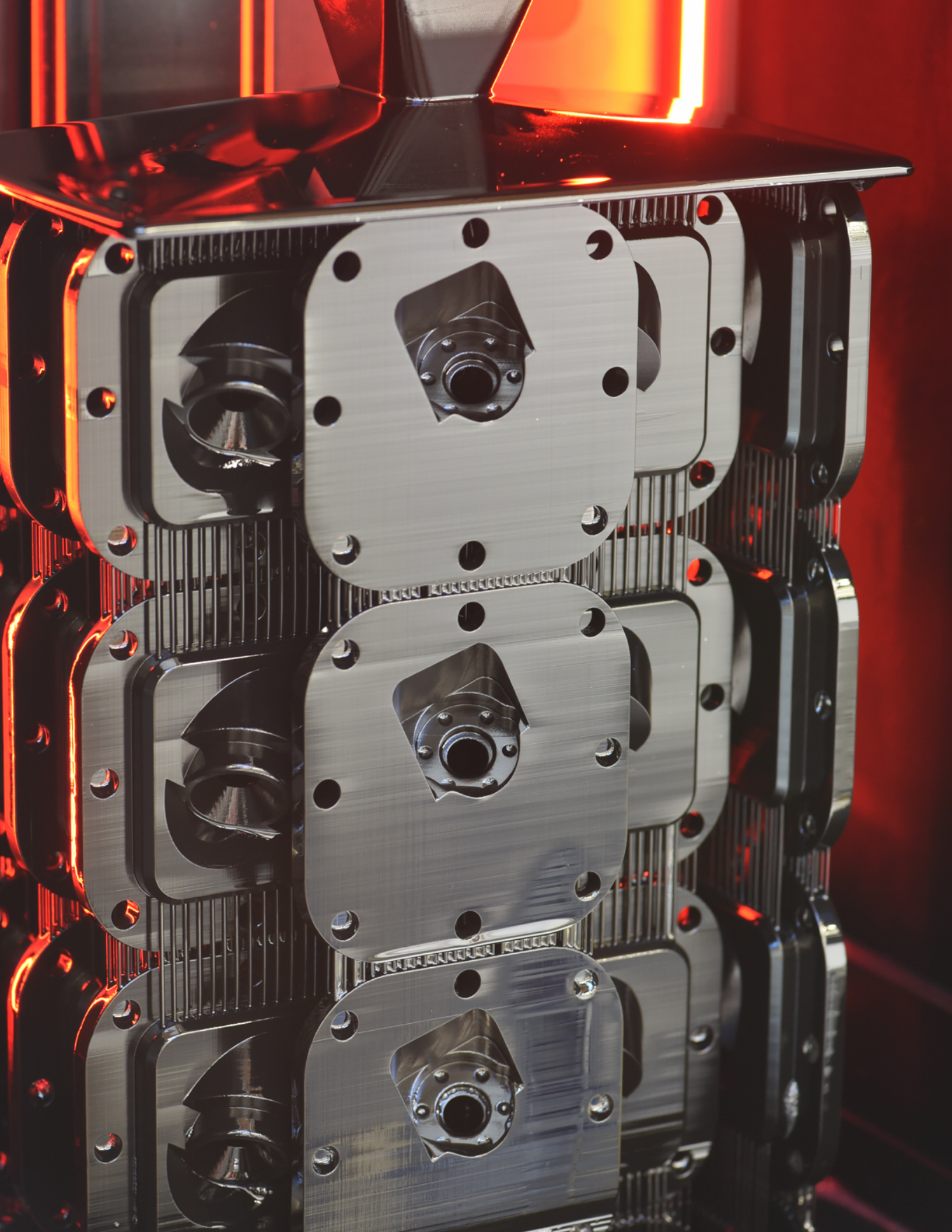


A New World of Capabilities

The Stratasys Origin One, a manufacturing-grade 3D printer that enables mass production of end-use parts.

- P3 technology delivers exceptional accuracy, consistency and isotropy. Print details less than 50 microns in size with high-accuracy materials.
- Choose from a wide range of single-component, commercial-grade photopolymers, developed on and validated for Origin One. Resins are engineered to be easy to handle and rapidly post-processed, with long shelf lives.
- Smooth, beautiful surface quality without secondary finishing, sanding, painting or additional processing.
- An optimized build volume, compact footprint, and minimal power requirements enable manufacturers to efficiently maximize production capacity per sq ft.
- Simple and fast post-processing workflow, with minimal facility requirements, makes scaled production feasible.





An expanding material ecosystem.

It takes an ecosystem to transform an industry. Stratasys works with leading chemical companies to co-develop innovative photopolymers in several categories to unlock end-use applications in 3D printing. Choose from a wide range of single component, commercial-grade materials, developed on and validated for Origin One.

Heat-Resistant: Materials for application-specific requirements, such as flame smoke and toxicity, HDT or mold durability.

Tough: Impact-resistant resins for functional applications that need to perform under stress and high-load conditions.

General Purpose: Fast-printing materials for end-use applications requiring cosmetic surfaces, fine features and high accuracy.

Elastomers: Resilient, high-resolution elastomers for applications requiring excellent tear strength or rebound performance.

Medical: Medically certified materials for devices where aesthetics, durability and biocompatibility are critical.

Molds: Low-pressure molds that produce high-quality results can be printed on site and as needed.

From Fortune 500s to small job shops, early adopters of the Origin One have already produced hundreds of thousands of production parts across aerospace, defense, medical, automotive, footwear and molding industries, in nine different countries.

With Stratasys, customers benefit from a global support staff ready to assist, from professional installations to application guidance to on-site troubleshooting. Whether it's optimizing your print results, solving a problem or providing training, Stratasys service and support has the experience and reach to keep you operational.

To learn more about the Stratasys Origin One, see the specifications below. Or, contact a Stratasys representative by visiting Stratasys.com/contact-us.

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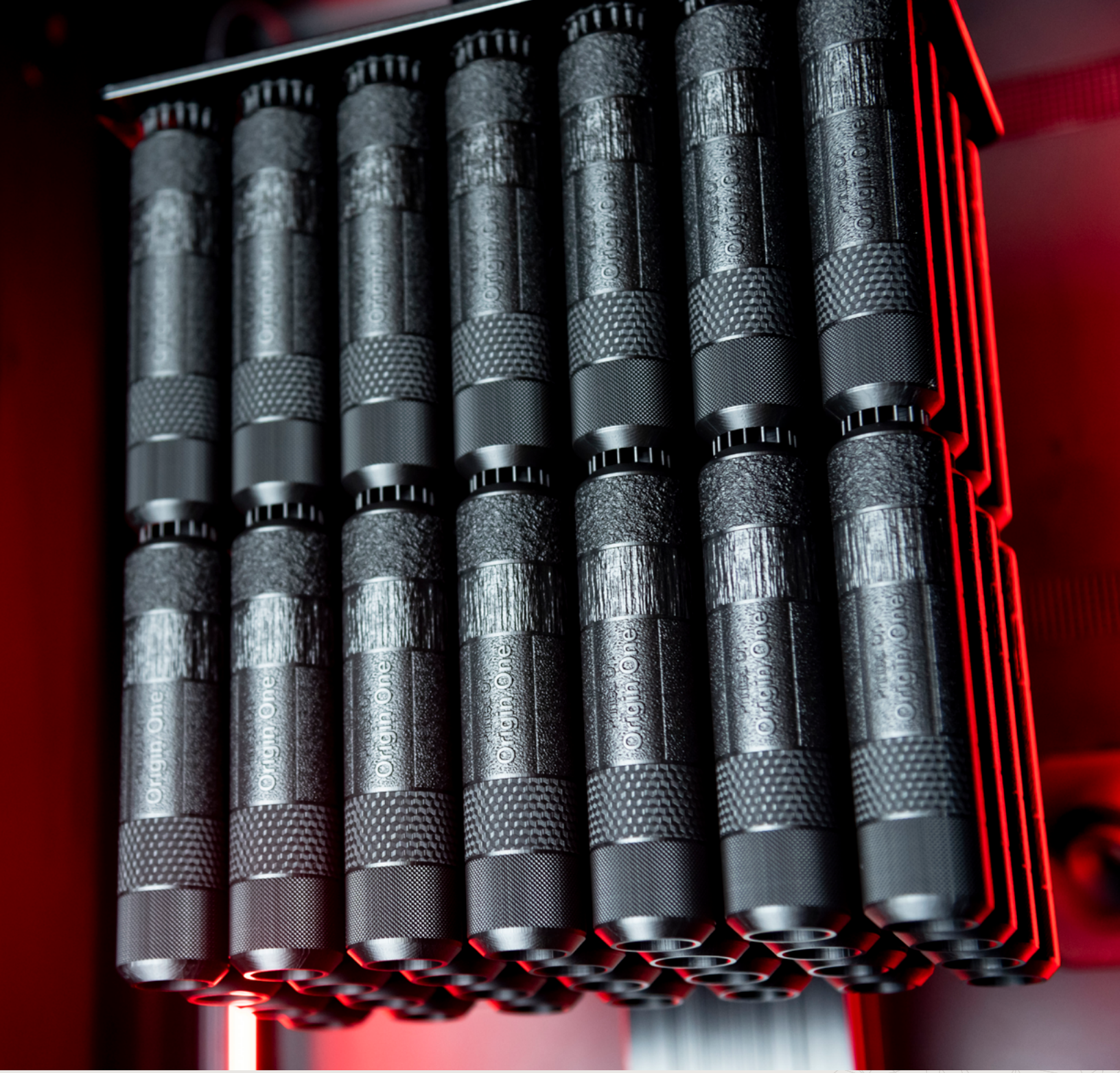
Stratasys Origin One parts are a combination of cosmetically appealing parts, with advanced material properties you don't typically see in 3D printed thermoset plastics. That's a winning combination for our clients and their production needs

Dan Straka
InterPRO President

Stratasys Origin® One

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 cm^3 (7.5 x 4.25 x 14.5 in. / 462 in^3) Maximum length on the diagonal — 220 mm (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	49.6 x 60.1 x 119.1 cm (19.5 x 23.6 x 46.8 in.) 84 kg (185 lbs.)
Facility Requirements	
Power Requirements	90–264 VAC, 50–60 HZ, 700 W, 1 phase
Network Connectivity	Ethernet
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% to 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°C to 30°C (59°F to 86°F)
Security Features	
Printer Authentication	Cryptographically-secure handshake
Network Security	Industry-standard end-to-end encryption



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