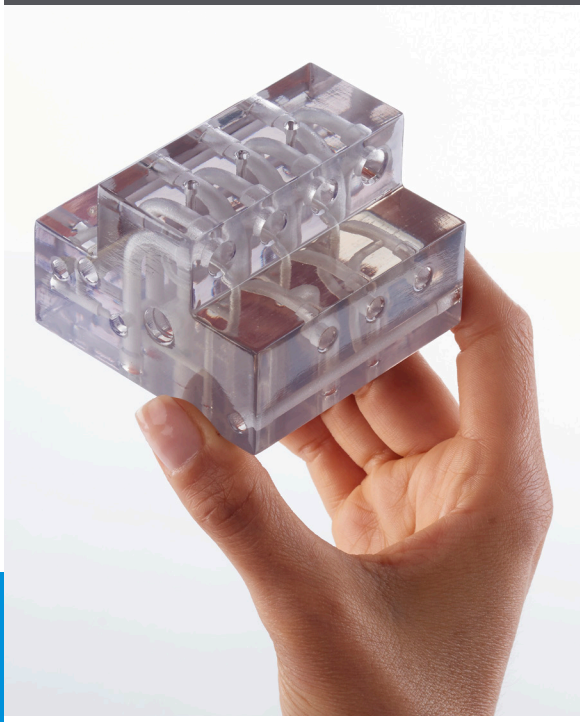
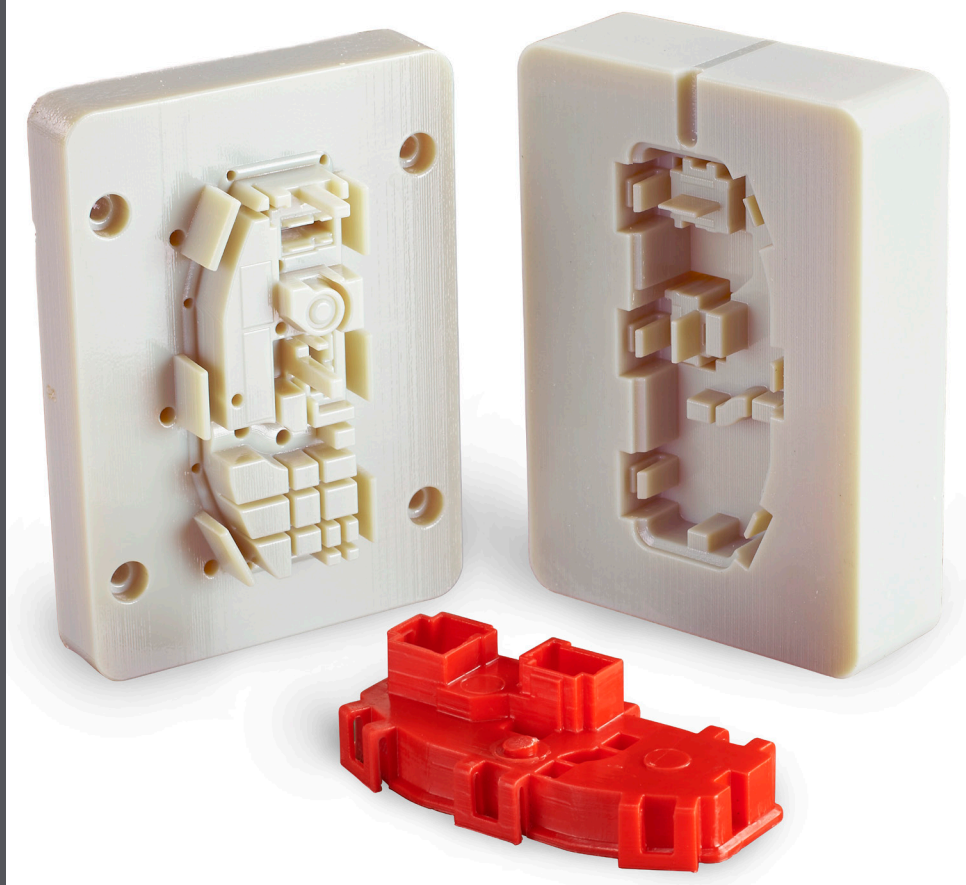




Go Beyond Basic

Unlock powerful versatility with the J850 Prime 3D printer from Stratasys

Engineering applications demand a system with the flexibility to help you verify form, perform functional tests and validate design choices. The J850™ Prime provides the functional, multi-material capabilities you need.

stratasys

PADT

Brochure

Earbud case prototypes 3D printed with DraftGrey (left) and VeroPureWhite (right)

Iterate With Ease

In the time it takes to make a single prototype using traditional methods, you can get 5x more iterations with the J850 Prime.

The large, seven-material capacity allows you to load your most-used resins and avoid downtime associated with material changeovers. Plus, you can print each model quickly with the Super High Speed draft mode.

This accelerated workflow enables you to design, test and refine in a matter of days, not weeks.

3D printed shoe midsole and outsole prototypes created by Brooks Running

Prototype Smarter

With the J850 Prime, it's simple to create functional, multimaterial models that let you test and validate prototypes faster, and move through stakeholder review with ease. This leads to quicker decisions and approvals, helping you achieve product verification, increase throughput and save valuable time.

Motorcycle throttle grip prototypes 3D printed with Agilus30 material

Function Like a Pro

Create prototypes that look and feel like the finished product. The J850 Prime can print up to seven materials simultaneously, allowing for virtually unlimited material combinations and multi-material parts.

From consumer products to medical devices, the J850 Prime helps you simplify and speed up product development. High print resolution ensures smooth surfaces for parts and incredible accuracy, even for details like printed graphics and complex geometries. Flexible materials in a range of shore values allow for precise simulation of rubber and silicone products, and heat-resistant Digital ABS Plus means you can perform functional testing at any stage of the design process. Plus, digital material mixes let you simulate the properties of engineering materials like polypropylene, which means even more accurate prototypes.

The Versatility You Need. The Accuracy You Expect.

When it comes to functional capabilities, only PolyJet Technology™ allows you to create hundreds of digital material mixes with just a few cartridges.

Created to help engineers speed through rapid prototyping, the J850 Prime is the perfect fit for any stage of product development. Whether you need low-cost and fast models for concept validation, more durable prototypes for functional testing or highly accurate, multi-material models, the J850 Prime offers the flexibility to help boost speed and productivity.

And if you you need full-color capabilities down the line, the J850 Prime can be upgraded to meet those needs.

Multimaterial container lid prototype
3D printed with Agilus30 material

Lower the Cost to Create

In general, prototyping with 3D printing is more cost effective than traditional methods and eliminates the need to outsource or hire specialized experts. Low-er prototyping costs by more than 80% compared to traditional methods. And because the J850 Prime is priced lower than the full-color J850 Prime, you're only paying for the features your projects demand.

Prep Files for a Successful Print

Streamline your workflow with GrabCAD Print™ software. GrabCAD Print lets you print directly from your most used design software, and accepts file formats including 3MF, OBJ/VRML, STEP and various native CAD formats. You can also get detailed previews of your model so you can make adjustments before going to print. And regularly updated smart default settings such as texture recognition, tooltips and notifications will help guide you through a seamless printing process.

Learn more about GrabCAD Print at **grabcad.com/print**

80%

—

80% Lower Cost to Prototype*

5x

—

Make design iterations 5x faster*

* Versus traditional methods of prototyping.

Confirm Form and Fit, Fast

With speed, accuracy and repeatability, the J850 Prime is the most versatile rapid prototyping solution for design engineering applications today. Visualize and verify designs with a flexible in-house system, and meet business demands immediately and with ease.

Threaded gauge prototype with male and female components

Make It Perform

Achieve unprecedented combinations of functional digital materials – from opaque to transparent and rigid to flexible – in a single print by leveraging multimaterial capabilities and the virtually endless possibilities of PolyJet™ materials.

Concept in Grayscale

Produce low-cost concept models that rapidly advance the first stages of the design process with DraftGrey™.

Achieve Transparency

Use VeroUltra™Clear to 3D print translucent parts that simulate glass or clear acrylic, and create accurate prototypes for lighting components and fluid analysis.

Test Functionality

Digital ABS Plus material provides the heat resistance and durability you need to verify fit and functionality.

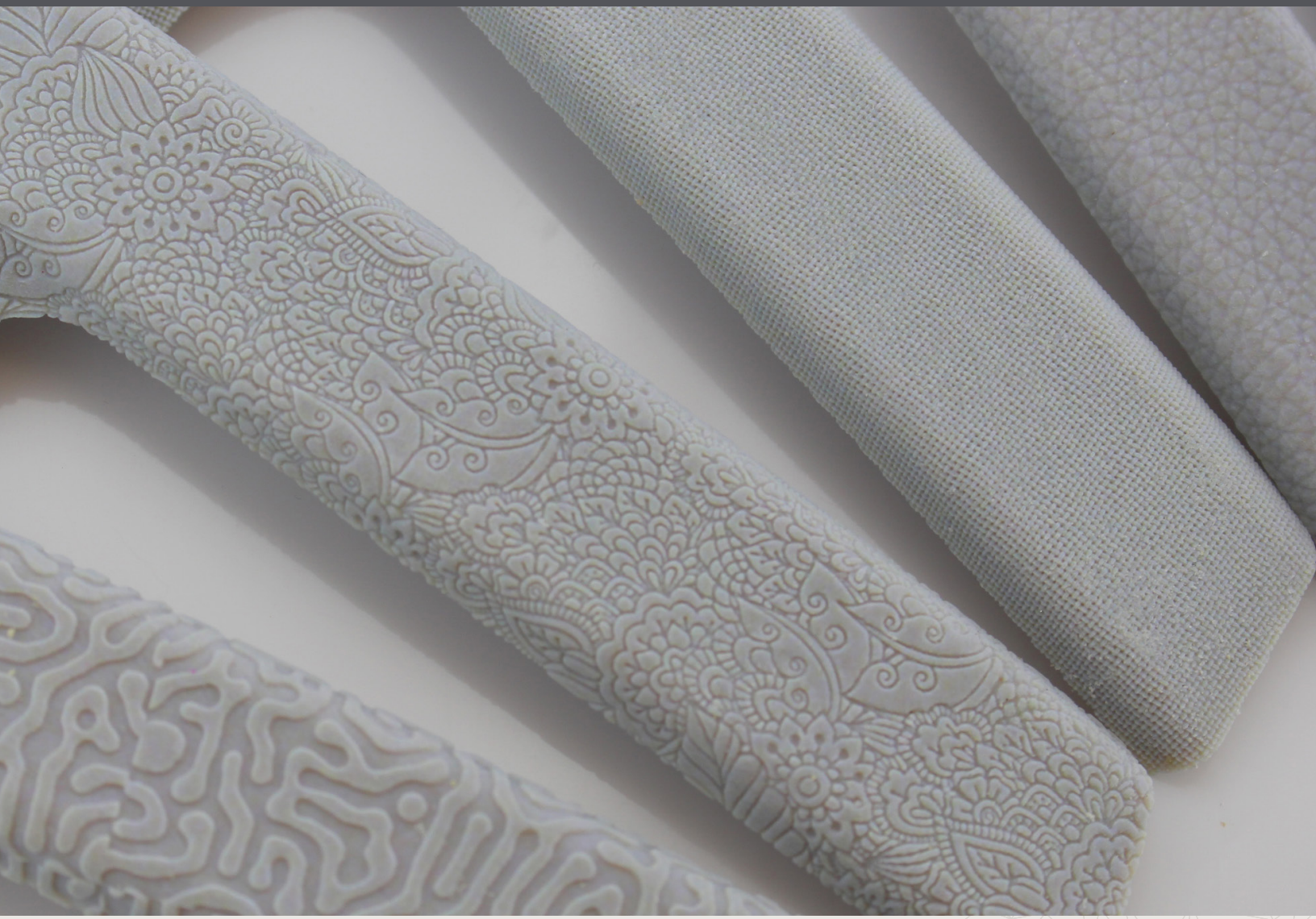
Create Flexible Parts

Use the Agilus30™ material family to create flexible parts and prototypes that can flex, bend, elongate and seal.

See the Specs

J850 Prime Product Specifications	
Model Materials	• Vero™ family of opaque materials including neutral shades and vibrant VeroVivid™ colors • Agilus30™ family of flexible materials • Transparent VeroClear™ and VeroUltraClear • VeroUltra™ materials in black and white
Digital Model Materials	Composite materials including: • Over 500,000 colors • Digital ABS Plus™ and Digital ABS2 Plus™ in ivory • Rubberlike materials in a variety of Shore A values • Translucent color tints
Support Materials	SUP705™ (water jet removable) SUP706B™ (soluble)
Build Size	490 x 390 x 200 mm (19.3 x 15.35 x 7.9 in.)
Layer Thickness	Horizontal build layers down to 14 microns (0.00055 in.) 55 microns (0.002 in.) in Super High Speed1 mode
Workstation Compatibility	Windows 10
Network Connectivity	LAN — TCP/IP
System Size and Weight	System: 1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.4 in.); 430 kg (948 lbs.) Material Cabinet: 1119 x 656 x 637 mm (44 x 25.8 x 25.1 in.); 153 kg (337 lbs.)
Operating Conditions	Temperature 18 – 25 °C (64 – 77 °F); relative humidity 30-70% (non-condensing)
Power Requirements	100–120 VAC, 50–60 Hz, 13.5 A, 1 phase 220–240 VAC, 50–60 Hz, 7 A, 1 phase
Regulatory Compliance	CE, FCC, EAC, RCM, R-NZ
Software	GrabCAD Print
Build Modes	High Quality: up to 7 base resins, 14-micron (0.00055 in.) resolution High Mix: up to 7 base resins, 27-micron (0.001 in.) resolution High Speed: up to 3 base resins, 27-micron (0.001 in.) resolution Super High Speed: 1 base resin, 55-micron (0.002 in.) resolution
Accuracy	Typical deviation from STL dimensions, for models printed with rigid materials, based on size: under 100 mm – ±100µ; above 100 mm – ±200µ or ± 0.06% of part length, whichever is greater.

Print it.
Perfect it.
Contact Us Today.



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