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Stratasys Puts Additive Manufacturing to Work

NEW ELASTOMERS, MATERIALS WITH ADVANCED PART REALISM PROVIDE A UNIQUE RAPID PROTOTYPING, TOOLING, AND PRODUCTION EXPERIENCE

Built for F123 machines, new thermoplastics bring unique elasticity and durability with true soluble support; Vibrant colors advance true-to-life prototypes on J750 and J735 3D Printers

MINNEAPOLIS & REHOVOT, Israel--(BUSINESS WIRE)-- Putting Additive Manufacturing to work across critical rapid prototyping, custom tooling and part production processes, [Stratasys](#) (Nasdaq: SSYS) is bringing to market advanced elastomers and enhanced materials for its leading FDM and PolyJet machines. Enabling customers to make it today with 3D Printing, the FDM elastomer solution is intended to provide manufacturers with new levels of elasticity, durability with true soluble support – while advanced colors for PolyJet drive enhanced realism to transform legacy design and prototyping processes.

This press release features multimedia. View the full release here:

<https://www.businesswire.com/news/home/20181113005579/en/>

Empowering engineers with fast, accurate, and functional elastomers, customers can now produce parts with unique resilience – with an ability to greatly stretch or compress without losing shape. Offered across the F123 3D Printer platform and via North America's leading service provider, [Stratasys Direct Manufacturing](#), the Stratasys TPU 92A Elastomer is designed to meet the needs of manufacturers requiring high part elongation, superior toughness, and full design freedom. With hands-free soluble support, the solution can significantly reduce both production time and labor costs.

“Creating elastomer parts using traditional silicone or CNC molds are extremely costly and time-consuming – while it is our view that other additive techniques just cannot deliver parts with the size and complexity of our elastomer approach,” Zehavit Reisin, Vice President and Head of Solutions and Materials Business, Stratasys. “Manufacturers demand 3D printing solutions that can be put to work in real prototyping and extreme production environments. With reliable and highly resilient parts, our solutions are designed to enable customers to do just that.”

“The new Stratasys 92A is a compelling material for our consortium members because when combined with water soluble supports, it will provide them with the opportunity to produce medium to large, complex, durable and resilient elastomeric parts that were previously not feasible,” said Vince Anewenter, Director of Rapid Prototyping Consortium, Milwaukee School of Engineering.

Enhanced Realism for Advanced Prototypes

Further advancing realism for 3D printed prototypes, Stratasys also announced a range of



The Stratasys TPU 92A Elastomer enables customers to 3D Print parts with unique resilience - with the power to greatly stretch or compress without losing shape (Photo: Business Wire)

electronic components, or toys/figurines. Mixing both rigid and soft materials, Agilus30 White produces the widest range of life-like prototypes on a single printer. The newest member of the Agilus family of colors that includes translucent and black, Agilus White creates the highest levels of detail – critical for such industries as healthcare, where true white is necessary for such applications as medical devices.

VeroVivid Cyan expands the J750 and J735 gamut to more than half a million distinguishable colors - encompassing rigid to opaque, flexible and transparent. Producing vibrant colors and translucency in a single print, VeroVivid Cyan and the new VeroFlexVivid engineer effective, realistic prototypes for such markets as consumer goods, packaging, and eyewear. Supported by enhanced GrabCAD Print color profiles, designers can actually “print what they see” with enhanced color accuracy.

Antero 800NA and MED625FLX

Delivering on previously announced roadmaps, Stratasys is now making its PEKK-based FDM thermoplastic – Antero800NA – available on F900 3D Printers. This high-performance material is chemical resistant, possesses ultra-low outgassing properties, and exhibits high heat resistance – ideally suited for aircraft and space applications.

MED625FLX is a bio-compatible material, well-suited for dental and orthodontic applications

new materials for its J750 and J735 PolyJet 3D Printers. These enhancements include five new materials with an ability to mimic rubber, leather or plastic. These highly realistic prototypes are designed to enable teams to better meet specific design objectives, streamline iterations, and shorten time-to-market and time-to-revenue.

The Agilus30 White material can mirror such parts as rubber-like seals and gaskets for automakers – or vividly colored models used for prototypes in sporting goods, consumer

such as indirect bonding (IDB) trays and implantology case work ups. Now available on both Objet260 Dental and Objet260/500 Dental Selection 3D Printers, the material is designed to advance Indirect Bonding Trays by allowing the direct printing of flexible IDB trays, and is built to enable orthodontists to reduce bracket placement times up to 75 percent and cut the cost for labs to produce by 40%.

Learn more about Stratasys Elastomer and advanced materials solutions by visiting Stratasys [here](#).

Visit Stratasys at formnext 2018

Stratasys is unveiling its elastomer solution and new range of advanced materials at formnext 2018 in Messe Frankfurt, Germany on Tuesday, November 13 – Friday, November 16. The company is offering exclusive hands-on demos, detailed customer use-cases, and presentations throughout the show in Hall 3.1, Stand G40.

Stratasys is a global leader in additive manufacturing or 3D printing technology, and is the manufacturer of FDM® and PolyJet™ 3D Printers. The company's technologies are used to create prototypes, manufacturing tools, and production parts for industries, including aerospace, automotive, healthcare, consumer products and education. For 30 years, Stratasys products have helped manufacturers reduce product-development time, cost, and time-to-market, as well as reduce or eliminate tooling costs and improve product quality. The Stratasys 3D printing ecosystem of solutions and expertise includes: 3D printers, materials, software, expert services, and on-demand parts production. Online at: www.stratasys.com, <http://blog.stratasys.com> and [LinkedIn](#).

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Note Regarding Forward-Looking Statements

The statements in this press release relating to Stratasys' beliefs regarding the benefits consumers will experience from the Stratasys TPU 92A Elastomers and advanced materials are forward-looking statements reflecting management's current expectations and beliefs. These forward-looking statements are based on current information that is, by its nature, subject to rapid and even abrupt change. Due to risks and uncertainties associated with Stratasys' business, actual results could differ materially from those projected or implied by these forward-looking statements. These risks and uncertainties include, but are not limited to: the risk that consumers will not perceive the benefits of the Stratasys TPU 92A Elastomers and advanced materials to be the same as Stratasys does; and other risk factors set forth under the caption "Risk Factors" in Stratasys' most recent Annual Report on Form 20-F, filed with the Securities and Exchange Commission (SEC) on February 28, 2018. Stratasys is under no obligation (and expressly disclaims any obligation) to update or alter its forward-looking statements, whether as a result of new information, future events or otherwise, except as otherwise required by the rules and regulations of the SEC.

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