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# Stratasys Expands Multi-Material Functionality and Versatility for Advanced Rapid Prototyping and Tooling Applications

- *Addition of Agilus30 rubber-like material and Digital ABS Plus engineering-grade material increases versatility of the Stratasys J750 full-color, multi-material 3D printing solution*
- *Watch these brief video clips to learn more about Agilus30 and Digital ABS Plus*
- *Visit Stratasys at the TCT Show 2017, Hall 3, Stand D30, September 26 – 28*

MINNEAPOLIS & REHOVOT, Israel--(BUSINESS WIRE)-- Stratasys (NASDAQ: SSYS), a global leader in applied additive technology solutions, today announced new material compatibility for its flagship J750 full color, multi-material 3D printing solution, delivering additional functionality and versatility for rapid prototyping and tooling applications. Stratasys PolyJet Agilus30 rubber-like material and Digital ABS Plus engineering-grade material can now be used with the Stratasys J750, expanding the range of applications that designers and manufacturers can 3D print.

This Smart News Release features multimedia. View the full release here: http://www.businesswire.com/news/home/20170927005043/en/

Agilus30 material was used to produce these soft, rubber-like ear buds and

Agilus30 is ideal for many prototyping requirements including advanced design verification and functional performance testing. Models produced with Agilus30 can stand up to repeated flexing and bending, with features that accurately simulate the look, feel and function of seals, gaskets, living hinges, soft-touch parts, over molds and

molded interior for ideal look, feel and functional testing; solid case features carbon fiber-like texture in Vero materials. All pieces 3D printed on the Stratasys J750 full color, multi-material 3D printing solution. (Photo: Business Wire)

other flexible parts and rubber-like elements. Agilus30 also features improved surface texture for a more realistic rubber-like feel that is important for functional evaluation. A durable, flexible PolyJet photopolymer material (Shore A 30), Agilus30 features enhanced tear resistance.

“We are using the new Agilus30 rubber-like material on our Stratasys J750 3D printing solution to simulate the installation and performance of rubber-like parts in our high performance vehicles and support equipment,” said Neil Oately, Head of Design and Development, McLaren Racing. “The superior tear resistance of the Agilus30 enables us to include highly flexible articulated interconnections within unit construction rigid mountings which we could not do previously.”

The second newly available material on the Stratasys J750, Digital ABS Plus, enables users to build strong functional prototypes, manufacturing tools, molds (including injection molds), snap-fit parts for high- or low-temperature use, electrical parts, and product casings among others. It simulates a range of durable production plastics, including standard ABS, with an enhanced toughness and Izod Notched Impact (90 – 115J/m, 1.69 – 2.15 ft lb/inch).

“Since the introduction of the unique Stratasys J750 full-color, multi-material 3D printing solution last year, we are constantly working to expand its capabilities for our customers,” said Zehavit Reisin, Vice President for the Rapid Prototyping Solutions Business Unit, Stratasys. “Adding these materials with advanced performance increases the system’s overall versatility, enabling designers and engineers to more accurately evaluate the viability of their designs well before production.”

Agilus30 and Digital ABS Plus will be featured on the Stratasys booth at the TCT Show 2017, NEC Birmingham, Hall 3, Stand D30, September 26 – 28.

Stratasys (NASDAQ: SSYS) is a global leader in applied additive technology solutions for industries including Aerospace, Automotive, Healthcare, Consumer Products and Education. For nearly 30 years, a deep and ongoing focus on customers’ business requirements has fueled purposeful innovations—1,200 granted and pending additive technology patents to date—that create new value across product lifecycle processes, from design prototypes to manufacturing tools and final production parts. The Stratasys 3D printing ecosystem of solutions and expertise—advanced materials; software with voxel level control; precise, repeatable and reliable FDM and PolyJet 3D printers; application-based expert services; on-demand parts and industry-defining partnerships—works to ensure seamless integration into each customer’s evolving workflow. Fulfilling the real-world potential of additive, Stratasys delivers breakthrough industry-specific applications that accelerate business processes, optimize value chains and drive business performance improvements for thousands of future-ready leaders around the world.
Corporate Headquarters: Minneapolis, Minnesota and Rehovot, Israel.
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