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Stratasys Redefines Product Design and Manufacturing with World's First Color Multi-material 3D Printer

The new Objet500 Connex3 is the world's most versatile 3D printer, delivering unparalleled color product realism

New 3D Printer allows better decision making, improves design & manufacturing efficiencies and produces better products, faster

MINNEAPOLIS & REHOVOT, Israel--(BUSINESS WIRE)-- [Stratasys Ltd.](#) (NASDAQ: SSYS), a manufacturer of 3D printers and materials for personal use, prototyping, and production, today announced the launch of the ground-breaking **Objet500 Connex3 Color Multi-material 3D Printer**, the first and only 3D printer to combine colors with multi-material 3D printing.



Bike helmet 3D printed on the Objet500 Connex3 Color Multi-material 3D Printer in one print job using VeroCyan, VeroMagenta, and VeroYellow (Photo: Stratasys Ltd.)

A game-changer for product design, engineering and manufacturing processes, the **Objet500 Connex3 Color Multi-material 3D Printer** features a **unique triple-jetting technology** that combines droplets of three base materials to produce parts with virtually unlimited combinations of rigid, flexible, and transparent color materials as well as color digital materials – all in a single print run. This ability to achieve the characteristics of an assembled part

without assembly or painting is a significant time-saver. It helps product manufacturers validate designs and make good decisions earlier before committing to manufacturing, and

bring products to market faster.

“Stratasys’ goal is to help our customers revolutionize their design and manufacturing processes,” says Stratasys CEO David Reis. “I believe our new **Objet500 Connex3 Color Multi-material 3D Printer** will transform the way our customers design, engineer and manufacture new products. In general and with the Connex technology in particular, we will continue to push the envelope of what’s possible in a 3D world.”

Engineers at beta user Trek Bicycle in Waterloo, Wisconsin are using the **Objet500 Connex3 Color Multi-material 3D Printer** for assessment and testing of accessories like bike chain stay guards and handlebar grips prior to actual production. “The **Objet500 Connex3 Color Multi-material 3D Printer** changed the way we manufacture at Trek, augmenting our traditional, time-consuming CNC processes with fast, iterative and realistic prototyping and functional testing,” says Mike Zeigle, manager of Trek’s prototype development group.

“Now we produce bicycle parts that look and feel like production parts. We are particularly excited about 3D printing our models directly in color. This gives our designers the ability to graphically display color contact pressure map data on rider contact parts like seats and grips. We are also working on doing the same with FEA & CFD stress data on structural bike components,” adds Zeigle.

Three Primary Color Materials Combine to Create a Spectrum of Vibrant Colors

Similar to a 2D inkjet printer, three color materials - VeroCyan, VeroMagenta and VeroYellow - are combined to produce hundreds of vivid colors. These color materials join Stratasys’ extensive range of PolyJet photopolymer materials including digital materials, rigid, rubber-like, transparent, and high temperature materials to simulate standard and high temperature engineering plastics.

Another First: Flexible Materials in Color*

The **Objet500 Connex3 Color Multi-material 3D Printer** also features six palettes for new rubber-like Tango colors, ranging from opaque to transparent colors in various shore values to address markets such as automotive, consumer and sporting goods and fashion.*

“Since its introduction in 2007, the Objet Connex Multi-material 3D printing platform has paved the way for the development of advanced 3D printing materials with unique mechanical and thermal properties,” says Stratasys VP of product marketing and sales operations Igal Zeitun. “The **Objet500 Connex3 Color Multi-material 3D Printer** produces models and parts using photopolymers in vivid colors so you can create colorful models from investigating concepts to pre-production pilot runs.

“As the first true multi-purpose 3D printer, we believe the **Objet500 Connex3 Color Multi-material 3D Printer** is in a league of its own, enabling you to dream up a product in the morning, and hold it in your hands by the afternoon, with the exact intended color, material properties and surface finish.”

The **Objet500 Connex3 Color Multi-material 3D Printer** is commercially available today and is sold through Stratasys’ extensive worldwide reseller network.

*The Flexible Materials in Color are expected to be commercially available in Q2/2014.

Additional Notes for Editors

The Technology Behind the Innovation

The **Objet500 Connex3 Color Multi-material 3D Printer** is based on proven Connex technology. Ideal for over-molding with Digital ABS and complex multi-material parts, the **Objet500 Connex3 Color Multi-material 3D Printer** is designed to enable designers, engineers and manufacturers to create models, molds and parts that match the characteristics of production parts. It 3D prints models and parts with the color, durability and surface finish of end products. This includes achieving excellent mechanical properties such as tensile strength, elongation at break, and multiple hardness shore values, which simulate high performance thermoplastics. It also allows overmolding using durable Digital ABS materials and introduces new Shore A values for Digital ABS, ranging from A27 to A95, a major advantage in manufacturing consumer products.

Featuring a large build envelope, the **Objet500 Connex3 Color Multi-material 3D Printer** is ideal for high capacity production. Print jobs can run with about 30kg of resin per cycle. True to the high resolutions available with PolyJet 3D printing technology, the **Objet500 Connex3 Color Multi-material 3D Printer** prints as fine as 16 micron layers for models with superior surface finish and ultra-fine detail.

More information about the **Objet500 Connex3 Color Multi-material 3D Printer** is available on the Stratasys website at: <http://www.stratasys.com/Objet500Connex3>.

A digital press kit for the **Objet500 Connex3 Color Multi-material 3D Printer** is available by visiting the Stratasys [online newsroom](#) which contains additional resources including an image gallery, a product video, customer story video, case study, white paper, brochure, color palette, and spec sheet.

Stratasys Ltd. (Nasdaq: SSYS), headquartered in Minneapolis, Minn. and Rehovot, Israel, manufactures 3D printers and materials for prototyping and production. The company's patented FDM® and PolyJet™ 3D Printing technologies produce prototypes and manufactured goods directly from 3D CAD files or other 3D content. Systems include 3D printers for idea development, prototyping and direct digital manufacturing. Stratasys subsidiaries include MakerBot and Solidscape, and the company operates the RedEye digital-manufacturing service. Stratasys has more than 1700 employees, holds over 500 granted or pending additive manufacturing patents globally, and has received more than 20 awards for its technology and leadership. Online at: www.stratasys.com or <http://blog.stratasys.com>.

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Certain information included or incorporated by reference in this press may be deemed to be "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995, Section 27A of the Securities Act of 1933, and Section 21E of the Securities Exchange Act of 1934. Forward-looking statements are often characterized by the use of forward-looking terminology such as "may," "will," "expect," "anticipate," "estimate," "continue," "believe," "should," "intend," "project" or other similar words, but are not the only way these statements are identified. These forward-looking statements may include, but are not limited to, statements relating to the company's objectives, plans and strategies, statements regarding the company's products and their expected performance, statements that contain projections of results of operations or of financial condition (including, with

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