



News Release

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3D Systems Expands ProJet® 1200 Suite with New Materials and Applications

- New materials include Cast, Gold, Silver, Gray and Clear
- Expands applications for jewelry designers, dental labs, 3D artists, engineers and manufacturers
- Characteristics include improved castability, new aesthetics for presentations, and upgraded feature definition

ROCK HILL, South Carolina, November 20, 2014 – [3D Systems](#) (NYSE:DDD)

announced today the expansion of its [ProJet® 1200 suite](#) with the arrival of five new materials engineered specifically for the desktop printing capabilities of its micro-SLA 3D printer. These five new materials join the previously introduced VisiJet® FTX Green material, expanding the capabilities of jewelers, dental labs, manufacturers, engineers, and 3D artists in the creation of casting patterns, small end-use parts, figurines and presentation models.

ProJet 1200 – Jewelry

Advancing the production capabilities and throughput of jewelry designers, the ProJet 1200 now has an advanced **FTX Cast** material, a wax/resin hybrid material developed specifically for compatibility with a wide range of jewelry casting methods and materials, and **FTX Gold** and **FTX Silver** for stunning jewelry samples and presentation models.

Jewelers can easily integrate FTX Cast, which casts much like traditional wax, into existing workflows with the added benefits of 3D printed parts. Combined with the precision and fantastic surface quality of micro-SLA from the ProJet1200, FTX Cast can be used to create exquisite, detailed pieces from rings to pendants. With glimmering

gold and silver particles embedded in the materials, FTX Gold and FTX Silver provide the wow factor that brings customer presentation models and counter samples to life.

ProJet 1200 – Dental

Dental labs use the ProJet 1200 with FTX Green for the production of highly accurate, casting-friendly wax-ups for a range of small dental prosthetics. The ProJet 1200 prints in 30-micron layers at 585 dpi resolution for the



production of up to 12 high-quality wax-ups in an hour, right on the desktop. The ProJet 1200 and FTX Green combine for an accelerated workflow with the exceptional results of traditional methods.

ProJet 1200 – Engineering and Manufacturing

Along with the casting capabilities of FTX Cast, engineering and manufacturing customers can take advantage of the arrival of **FTX Gray**, a high-contrast gray material that's perfect for prototypes and accentuating fine features, and **FTX Clear**, a transparent clear material that can be applied in end-use parts and components. As part of the reimagined engineer's desktop, the ProJet 1200 and FTX Gray and Clear allow engineers a fast way to locally create precise design prototypes of small assembly or components. Micro-SLA parts in FTX Gray and Clear also combine the strength and precision necessary for end-use applications and final one-off custom components, such as electronic connectors, robotics components and more.

ProJet 1200 – 3D Artists and Designers

Many 3D artists, designers and professional model makers also require strong, precise micro parts for toys, figurines, model aircraft, cars, model trains and more. The expanded ProJet 1200 materials selection provides even more opportunity for creative expression. Precision **FTX Gray** parts are paintable and they accentuate the fine

features for which the ProJet 1200 is known. On top of that, beautiful, transparent **FTX Clear** parts project a hint of iridescence for stunning clear parts, perfect for a range of sculptures and model components. For artisans creating small cast sculptures, **FTX Cast** provides a less work intensive way to make accurate casting patterns in the workshop.

“The addition of these five materials represents our commitment to revolutionizing desktop 3D printing and bringing new capabilities to dental techs, jewelers, artists and engineers,” said Buddy Byrum, Vice President of Product and Channel Management, 3DS. “Now a jeweler, for instance, can design a ring, prototype it in FTX Gray, print a customer sample ring in FTX Gold and FTX Silver, and create a final casting pattern in FTX Cast—all from the same machine.”

The expanded VisiJet FTX material range will be available in December 2014 and will be on display at EuroMold 2014 in Frankfurt, Germany from November 25-28, 2014, at the Messe Frankfurt in booths D69 and F90 in hall 11, along with 3DS’ latest 3D printers, advanced material options, cloud-sourced custom parts and digital thread of 3D capture, creation, print and inspection tools. [Watch a video showcasing these new materials here.](#)

For more details on 3DS’ announcements at EuroMold 2014, please visit 3dsystems.com/resources/press-room/euomold-2014. Also join 3D Systems’ President and CEO, Avi Reichental, for a broadcast of 3DS’ extensive showing at EuroMold starting on Tuesday, November 25, 2014 at 10:00 a.m. EST by visiting 3dsystems.com/resources/press-room/euomold-2014 and clicking on the broadcast link.

Learn more about 3DS’ commitment to manufacturing the future at www.3dsystems.com.

About 3D Systems

3D Systems is pioneering 3D printing for everyone. 3DS provides the most advanced

and comprehensive 3D design-to-manufacturing solutions including 3D printers, print materials and cloud sourced custom parts. Its powerful digital thread empowers professionals and consumers everywhere to bring their ideas to life in material choices including plastics, metals, ceramics and edibles. 3DS' leading healthcare solutions include end-to-end simulation, training and integrated 3D planning and printing for personalized surgery and patient specific medical and dental devices. Its democratized 3D design and inspection products embody the latest perceptual, capture and touch technology. Its products and services replace and complement traditional methods with improved results and reduced time to outcomes. These solutions are used to rapidly design, create, communicate, plan, guide, prototype or produce functional parts, devices and assemblies, empowering customers to manufacture the future.

Leadership Through Innovation and Technology

- 3DS invented 3D printing with its Stereolithography (SLA) printer and was the first to commercialize it in 1989.
- 3DS invented Selective Laser Sintering (SLS) printing and was the first to commercialize it in 1992.
- 3DS invented the ColorJet Printing (CJP) class of 3D printers and was the first to commercialize 3D powder-based systems in 1994.
- 3DS invented MultiJet Printing (MJP) printers and was the first to commercialize it in 1996.
- 3DS Medical Modeling pioneered virtual surgical planning (VSP) and its services are world-leading, helping many thousands of patients on an annual basis.

Today its comprehensive range of 3D printers is the industry's benchmark for production-grade manufacturing in aerospace, automotive, patient specific medical device and a variety of consumer, electronic and fashion accessories.

More information on the company is available at www.3dsystems.com.