



News Release

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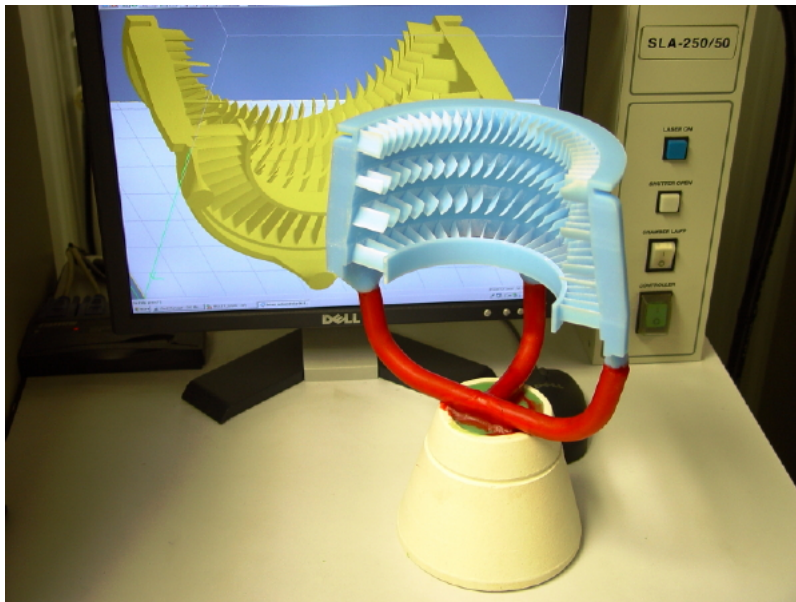
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3D Systems Hosts Customer Webinar on 3D Printing for Turbine Manufacturing

- Learn how Turbine Technologies reduced product development time by five weeks and at a tenth of previous costs, from \$20k to \$2k
- See how 3D printed casting patterns enable rapid design iteration
- Realize how manufacturers can gain an edge in investment casting using 3D Systems ProJet® 3500 3D printers

ROCK HILL, South Carolina – May 30, 2014 – [3D Systems](#) (NYSE:DDD)

announced today its latest live webinar featuring [Wisconsin-based Turbine Technologies](#), a provider of laboratory turbine equipment for colleges. The webinar, to be held on [Thursday June 5, 2014 at 11.00 am EDT](#), will demonstrate how Turbine Technologies gains an advantage by 3D printing investment casting wax patterns to create an R&D process that doesn't rely on expensive tooling.



Hosted by 3DS, the webinar will enable manufacturers to understand how Turbine Technologies has cut five weeks of development time from production of its wax casting patterns, at a tenth of the cost it used to be, using 3DS' ProJet® 3500 3D printers as a critical part of the process.

"If we used a traditional method for a wax injection tool, it could take up to five weeks and cost well in excess of \$20,000. However, if we rapid prototype an axial turbine blisk, for example, with our 3D Systems printer, the wax investment piece builds unattended overnight and is ready for foundry in the morning for well under \$2,000," said Toby Kutrieb, Vice President, Turbine Technologies and a participant in the webinar.

Turbine Technologies has also found that the process of creating 3D printed wax castings for investment casting has allowed them to make better, more accurate components through rapidly printing several different versions of the turbine part for testing.

"3D printing is a key component in streamlining traditional manufacturing processes and significantly reducing costs in the process," commented Buddy Byrum, Vice President of Product and Channel Management, 3DS. "Turbine Technologies is a perfect example of the progress and achievements that can be made when 3D printing dovetails into traditional processes like this."

To register for this live webinar and find out more about Turbine Technologies, visit the [Webinar registration page](#).

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About 3D Systems

3D Systems is a leading provider of 3D printing centric design-to-manufacturing solutions including 3D printers, print materials and cloud sourced on-demand custom parts for professionals and consumers alike in materials including plastics, metals, ceramics and edibles. The company also provides integrated 3D scan-based design, freeform modeling and inspection tools and an integrated 3D planning and printing digital thread for personalized surgery and patient specific medical devices. Its products and services replace and complement traditional methods and reduce the time and cost of designing new products by printing real parts directly from

digital input. These solutions are used to rapidly design, create, communicate, prototype or produce functional parts 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 Color-Jet-Printing (CJP) class of 3D printers and was the first to commercialize 3D powder-based systems in 1994.
- 3DS invented Multi-Jet-Printing (MJP) printers and was the first to commercialize it in 1996.

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

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