

News Release

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3D Systems Begins Shipping 3DXpert Software with Direct Metal Printers to Drive Substantial Productivity Gains and Operational Savings

- Customer reports productivity gains of 40 percent or higher and reduction in print processing time of up to 75 percent
- New 3DXpert Build Simulation module increases operational savings

PITTSBURGH, Pennsylvania, May 8, 2017 – [3D Systems](#) (NYSE:DDD) today announced the immediate bundling of its innovative [3DXpert™ software](#) with all of its direct metal printers to streamline precision metal workflows for customers across applications and industries. The company also announced that 3DXpert is planned to include a new Build Simulation module that allows users to accurately verify and optimize their parts, designs and supports to uncover costly issues before sending parts to print.

The company's 3DXpert all-in-one software solution saves users significant time and money by eliminating the need for multiple software packages, while also delivering advanced and unique capabilities in print preparation, supports and structure optimization, slicing and post-processing.

Metal Technology Inc. (MTI), specializing in custom parts for aerospace, defense and medical applications, reduced print processing times by up to 75 percent and achieved productivity gains of 40 percent or higher using 3DXpert software and 3D Systems' ProX® DMP 320.

“One of the main drivers for us to switch over to 3DXpert was that we can compress our workflow into a single solution,” said Jason Stitzel, Director of Engineering, MTI. “We went from using at least three different software systems to get the final product to doing it all with one. 3DXpert removes the need to convert from a solid model to an STL, a process that inherently introduces issues and errors.”

“Before we used 3DXpert, running a complicated part through a slicing engine took close to 20 hours to process, slice, run the parameters and create a build file. With 3DXpert, we could do the same build file in just four hours,” Stitzel added.

For more details on MTI’s experience with 3DXpert, [click here](#).

Using 3DXpert’s unique capabilities, customers will be able to increase productivity and lower cost of operations by:

- Eliminating the need to convert files into mesh while improving data quality and integrity with the ability to natively work with CAD data (solid & surfaces/b-rep);
- Easily making changes at any stage using history based parametric CAD tools by working in a hybrid (Mesh, Solid and Lattice) modeling environment;
- Accelerating print time while maintaining part integrity using the *patent-pending 3D Zoning capability*, that allows customers to easily assign different print strategies to different areas of a part based on geometry features, and seamlessly merge them into a single scan-path;
- Minimizing part weight and material with lightning-fast creation and editing of micro lattices using structure optimization tools;
- Generating optimal scan-paths with unique printing strategies that take into account the design intent and part geometry; and
- Programming post-processing operations (e.g. drilling and milling) in the same software with no need to transfer data to a separate software.

“3DXpert is a real game changer for customers,” said Ilan Erez, Senior Vice President, General Manager, Software, 3D Systems. “It’s enabling customers to print high-quality,

complex metal parts more efficiently and at a lower total cost of operation, all in one integrated software solution.”

The new Build Simulation functionality helps customers avoid expensive trial and error iterations typically involved in validating designs, minimize build failures, reduce production time and prevent potential printer damage. 3DXpert’s Build Simulation is planned for availability second half of 2017.

3D Systems will preview the new Build Simulation module of 3DXpert along with its entire range of end-to-end manufacturing solutions for aerospace, automotive, healthcare, dental, durable goods and entertainment at the [RAPID + TCT 2017 trade show](#) in Pittsburgh, PA, May 9-11, booth 2525.

More information on these solutions can be found at www.3dsystems.com.

Forward-Looking Statements

Certain statements made in this release that are not statements of historical or current facts are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause the actual results, performance or achievements of the company to be materially different from historical results or from any future results or projections expressed or implied by such forward-looking statements. In many cases, forward looking statements can be identified by terms such as "believes," "belief," "expects," "may," "will," "estimates," "intends," "anticipates" or "plans" or the negative of these terms or other comparable terminology. Forward-looking statements are based upon management’s beliefs, assumptions and current expectations and may include comments as to the company’s beliefs and expectations as to future events and trends affecting its business and are necessarily subject to uncertainties, many of which are outside the control of the company. The factors described under the headings "Forward-Looking Statements" and "Risk Factors" in the company’s periodic filings with the Securities and Exchange Commission, as well as other factors, could cause actual results to differ materially from those reflected or

predicted in forward-looking statements. Although management believes that the expectations reflected in the forward-looking statements are reasonable, forward-looking statements are not, and should not be relied upon as a guarantee of future performance or results, nor will they necessarily prove to be accurate indications of the times at which such performance or results will be achieved. The forward-looking statements included are made only as the date of the statement. 3D Systems undertakes no obligation to update or review any forward-looking statements made by management or on its behalf, whether as a result of future developments, subsequent events or circumstances or otherwise.

About 3D Systems

3D Systems provides comprehensive 3D products and services, including 3D printers, print materials, on demand manufacturing services and digital design tools. Its ecosystem supports advanced applications from the product design shop to the factory floor to the operating room. 3D Systems' precision healthcare capabilities include simulation, Virtual Surgical Planning, and printing of medical and dental devices as well as patient-specific surgical instruments. As the originator of 3D printing and a shaper of future 3D solutions, 3D Systems has spent its 30 year history enabling professionals and companies to optimize their designs, transform their workflows, bring innovative products to market and drive new business models.

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