

News Release

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3D Systems Launches DMP Flex 350 and DMP Factory 350 Metal Printers at Formnext 2018 – Platform Approach Serving as Catalyst for Manufacturing Transformation

- New metal 3D printers are optimized for scalability, high throughput and low total cost of operation – producing repeatable high quality parts from the most challenging alloys
- New DMP Factory 350 includes integrated Powder Management Unit (PMU) for consistent part quality
- 3D Systems continues to build metal platform approach - including recent announcement of DMP Factory 500 developed in partnership with GF Machining Solutions - enabling customers to scale based on their manufacturing needs

ROCK HILL, South Carolina, November 13, 2018 – Today at Formnext 2018, [3D Systems](#) (NYSE: DDD), the originator of 3D printing, announced the [DMP Flex 350](#) and [DMP Factory 350](#) – the company’s latest additions to its proven DMP metal 3D printing platform -- designed for volume production of critical components for industrial applications such as aerospace, healthcare, and transportation. In addition, the company introduced a new aluminum alloy material - LaserForm® AISiMg0.6(A) - designed to produce strong, lightweight, parts without the need for casting.

DMP 350 Platform Designed for Scalable, Repeatable Metal Part Production

Building on the success of its proven scalable metal additive manufacturing solutions -- including the recent announcement of the [DMP Factory 500 developed in partnership with GF Machining Solutions](#) -- the new [DMP Flex 350](#) and [DMP Factory 350](#) provide a strategic migration path that enables customers to grow their business by transforming the way they design and manufacture parts. The DMP Flex 350 and DMP Factory 350 are engineered for robust, repeatable 24/7 metal

part production for R&D, application development and production. 3D Systems' DMP platform design enables customers to scale from the DMP Flex 350 to the DMP Factory 350 as their production needs evolve within their factory environment.

The DMP Flex 350 - the successor to 3D Systems' ProX® DMP 320 metal 3D printer – enables more efficient production of very dense, pure metal parts and includes improved gas flow technology for improved uniform part quality across the entire build area. Additionally, the DMP Flex 350's improved print productivity of 15% over previous model facilitates faster time to market with lower total cost of operation.

DMP Factory 350 – with Integrated Powder Management – for Consistent Part Quality

For enhanced ease-of-use for demanding production environments, the DMP Flex 350 can be field upgraded to the DMP Factory 350. The DMP Factory 350 combines the same features and advantages of the DMP Flex 350 with integrated powder management. An in-unit viewing panel enables visual inspection of the ultrasonic sieve to ensure incident-free operation. The DMP Factory 350 includes real-time process monitoring via 3D Systems' [DMP Monitoring](#) and allows customers to analyze and optimize parameters for higher quality final parts. Both the DMP Flex 350 and DMP Factory 350 are integrated with 3D Systems' [3DXpert™ 14](#), the only all-in-one integrated software solution for the entire metal additive manufacturing workflow.

The DMP Flex 350 and DMP Factory 350 have a targeted availability of late Q4 2018.

DMP 350 Platform Gaining Early Traction

Sharon Tuvia (1982) Ltd(Nes Ziona, Israel), a full service provider of precision metal parts, using both subtractive and additive manufacturing methods, intends to use the DMP Flex 350 to produce topology-optimized brackets for aerospace companies as well as parts for commercial satellites. One of the primary reasons Sharon Tuvia selected the DMP Flex 350 is the superior quality of the final titanium parts.

Sharon Tuvia selected the complete DMP Flex 350 solution, comprised of metal 3D printer, software and material, to produce final titanium parts with superior quality. This includes 3D System's 3DXpert software which consolidates numerous software solutions into a single integrated solution, helping Sharon Tuvia dramatically shorten the design-to-manufacturing process.

"We challenged titanium parts produced on the DMP Flex 350 with a battery of external tests - evaluating elongation, stress, fatigue, micro-structure analysis, and other factors," said Ronen Sharon, CEO, Sharon Tuvia. "The LaserForm titanium parts performed without parallel. The results were especially extraordinary when checking for lack of fusion, also called incomplete fusion. Most parts produced using metal 3D printing technologies will reveal lack of fusion. When we tested the titanium parts from 3D Systems' DMP Flex 350, there was absolutely no lack of fusion."

Sharon Tuvia was also impressed by the DMP Flex 350's improved gas flow technology. "The closed vacuum chamber design not only maximizes powder re-use, but also prevents argon gas bubbles from permeating the part," added Ronen Sharon. "When parts produced using 3D Systems technology undergo Hot Isostatic Pressing (HIP), the part quality is comparable to forged parts. Such results are a must for aerospace parts that need to withstand high amounts of pressure periodically."

New Aluminum Alloy Material for Optimal Part Quality

LaserForm AlSi7Mg0.6 (A) - a new aluminum alloy material - is designed to produce strong, lightweight parts without the need for casting, making it an ideal choice for parts that enable improved fuel efficiency for transportation and other weight-sensitive applications. In addition, the material's corrosion resistance, high-thermal conductivity and electrical ductility, as well as good 'weldability,' are well suited to such applications as housings, mold inserts, impellers and heat exchangers. This new aluminum alloy material is compatible with both the DMP Flex and DMP Factory 350.

"At Formnext 2017, I announced 3D Systems' intent to bring 3D printing to the factory floor with a new generation of additive manufacturing solutions," said Vyomesh Joshi, president and chief executive officer, 3D Systems. "Today I am happy to report that over the last year we have brought to market an unrivalled series of plastic and metal 3D printers, materials and software that are optimizing workflows, enabling new design innovations, and reducing costs. The new innovations we are announcing today - DMP Flex 350, DMP Factory 350, and LaserForm material- further expand 3D System's customer-first, solution approach to drive the transformation of manufacturing."

To learn more about the DMP Flex 350 and DMP Factory 350, please visit the company in booth F10, Hall 3.1 at Formnext 2018.

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 is the originator of 3D printing and an innovator of future 3D solutions. It has spent its 30-year history enabling professionals and companies to optimize their designs, transform their workflows, bring groundbreaking products to market and drive new business models. This is achieved with the Company's best of breed digital manufacturing ecosystem. It's comprised of plastic and metal 3D printers, print materials, on demand manufacturing services and end-to-end manufacturing software solutions. Combinations of these products and services address a variety of advanced applications- ranging from Aerospace, Automotive, and Consumer Goods to Medical, Dental, and Jewelry. For example, 3D Systems' precision healthcare capabilities include simulation, Virtual Surgical Planning, and printing of medical and dental devices as well as

patient-specific surgical instruments. More information on the company is available at www.3dsystems.com.

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