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# Wagner Machine Company Takes Delivery of VELO3D Manufacturing Solution for 3D Printing 'Impossible' Parts

*Real-time monitoring of entire 3D printing process ensures mission-ready quality of high-value parts for aerospace and defense customers*

CAMPBELL, Calif.--(BUSINESS WIRE)-- [VELO<sup>3D</sup> Inc.](#), a leader in additive manufacturing (AM) for high-value metal parts, today announced the delivery of a state-of-the-art aluminum F357 metal AM solution to [Wagner Machine Company](#), a second-generation, precision machine shop with a reputation for building the impossible.

"When everyone else says it can't be done, people come to us," said Kurt Wagner, CEO, Wagner Machine Company. "We recently had a customer ask us to make a brazed assembly that was impossible due to space constraints and other requirements. We suggested 3D printing, which was their original plan, but other 3D printing companies they consulted said the part would be impossible to print due to thin walls and pressure requirements. VELO<sup>3D</sup> was able to print the assembly as a single piece on a Sapphire® and it met all the customer's performance requirements."

Wagner Machine, founded in 1982, is ISO9001:2015 and AS9100D certified as well as ITAR-registered. It is a one-stop-shop for advanced manufacturing with capabilities including 3- and 5-axis CNC mill, CNC lathe, CNC swiss, wire EDM, abrasive waterjet, and a variety of precision grinding and other support processes. Adding VELO<sup>3D</sup> metal AM aligns with the company vision to be the most knowledgeable, capable, and innovative source for high-precision manufacturing.

"VELO<sup>3D</sup>'s real-time monitoring of the 3D printing process from start to finish with their integrated Assure™ quality assurance software is exactly what metal AM needs to be ready for prime time," said Wagner. "They offer the most advanced capabilities available in metal AM, with process control, traceability, and build monitoring that is second to none. This expands our ability to serve more aerospace and defense customers who need complex, high-value, mission-critical parts."

Aluminum F357 is a foundry-grade, high-performance alloy that is certified for mission-critical applications. VELO<sup>3D</sup>'s ability to accurately and repeatably print optimized parts from F357 frees designers and engineers across a range of demanding industries to achieve part consolidation and performance requirements that previously they could only imagine.

"We thrive on working with companies who are constantly redefining what is possible," said Benny Buller, founder and CEO, VELO<sup>3D</sup>. "We look forward to continuing our partnership with Wagner Machine because they have the kind of innovative mindset that's open to exploring everything that AM makes possible, allowing for a new wave of innovation and

supply chain flexibility.”

In March, VELO<sup>3D</sup> [announced](#) plans to merge with JAWS Spitfire Acquisition Corporation (NYSE: [SPFR](#)) and become a public company. VELO<sup>3D</sup> also was named to *Fast Company*’s 2021 list of the world’s [most innovative companies](#), among the top ranked in the manufacturing category for their profound impact on the 3D printing industry.

To learn more about how VELO<sup>3D</sup> empowers engineers and designers to imagine more, and additively manufacture nearly anything, follow VELO<sup>3D</sup> on [LinkedIn](#) or visit [velo3d.com](#).

## **About Wagner**

Wagner Machine is a CNC machine shop known for pushing the limits of manufacturing technology. Over the last 40 years, Wagner has been early adopters of many manufacturing processes including wire EDM, swiss turning, abrasive waterjet, 5-axis milling, robotic automation, and now metal additive. When design requirements are pushed to the max, Wagner’s objective is to make sure that manufacturing is not a limiting factor to the success of the overall project. With a unique combination of experience, equipment, and an insatiable drive to innovate, Wagner Machine works with customers to make sure they get exactly what they need the first time regardless of part complexity or tolerance requirements. Follow Wagner Machine on [LinkedIn](#) or visit [www.wagner-machine.com](#).

## **About VELO<sup>3D</sup>**

VELO<sup>3D</sup> empowers companies to imagine more and additively manufacture nearly anything. Bringing together an integrated, end-to-end solution of software, hardware, and process-control innovation, VELO<sup>3D</sup>’s technology for 3D metal printing delivers unparalleled quality control for serial production and enhanced part performance. With VELO<sup>3D</sup> Flow™ print preparation software, Sapphire® laser powder bed AM system and Assure™ quality assurance software, manufacturers can accelerate product innovation, become more agile and responsive to market needs and reduce costs. First in the industry to introduce SupportFree metal 3D printing, which allows for the manufacture of previously impossible geometries, the company is based in Silicon Valley and is privately funded. VELO<sup>3D</sup> has been named to Fast Company’s prestigious annual list of the World’s Most Innovative Companies for 2021. For more information, follow VELO<sup>3D</sup> on [LinkedIn](#) or visit [velo3d.com](#).

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