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Vertex Manufacturing Selects VELO3D to Meet Growing Demand for 3D Printing Production-Ready Metal Parts

Cincinnati-based advanced manufacturer and full-service machining shop expands support for production programs with its first VELO^{3D} Sapphire[®] intelligent additive manufacturing solution

CAMPBELL, Calif.--(BUSINESS WIRE)-- [VELO^{3D} Inc.](https://www.velo3d.com/), a leader in advanced additive manufacturing (AM) for high-value metal parts, today announced that [Vertex Manufacturing](https://www.vertexmfg.com/), a Cincinnati-based business providing CNC machining and manufacturing services from development through production, has selected VELO^{3D} to help meet growing demand for 3D-printed “impossible” metal parts.

This press release features multimedia. View the full release here:
<https://www.businesswire.com/news/home/20210630005189/en/>



(Left to right) Tim Warden, Steve Rengers and Greg Morris, co-founders of Vertex Manufacturing (Photo: Business Wire)

Vertex was born out of the desire of AM pioneers Greg Morris, Steve Rengers and Tim Warden, previously of Morris Technologies Inc. (MTI), to leverage their advanced manufacturing and technology backgrounds to help companies solve some of their most difficult problems. Vertex is AS9100, ISO13485 and ITAR registered and certified.

At MTI, Morris and company were best known for their work

with GE Aviation’s 3-D printed LEAP Engine fuel nozzle used in commercial aviation. In an industry with a reputation for having exacting standards for the safety and quality of manufactured parts, the LEAP Engine fuel nozzle was one of the first metal AM parts to be

certified for flight by the U.S. Federal Aviation Administration (FAA). Morris is also recognized for his early expertise in industrial metals such as titanium and for integrating AM with traditional manufacturing floor systems. MTI was acquired by GE Aviation in 2012.

“With unique technology providing the capability to create production parts that would be impractical or impossible using other methods, our new additive manufacturing solution from VELO^{3D} means customers will have even more freedom to design and engineer some of the most complex geometries imaginable,” said Greg Morris, co-founder and CEO, Vertex Manufacturing. “This is the essence of why Steve, Tim and I started Vertex Manufacturing – to help customers leverage the most advanced manufacturing technologies and push the boundaries of what is possible.”

Where Morris Technologies primarily focused on prototyping use cases, Vertex was created with a mission to help customers who need advanced manufacturing solutions for both development and production programs. They offer a range of services including advanced multi-axis CNC machining, additive manufacturing, rapid castings and final inspection of manufactured parts.

“At VELO^{3D} we help innovators like Vertex accelerate the future of manufacturing, not just for their customers, but to benefit all of humanity,” said Benny Buller, founder and CEO, VELO^{3D}. “This new partnership speaks to the real and transformational capabilities VELO^{3D} is bringing to metal additive manufacturing.”

Vertex will take delivery of its first full-stack VELO^{3D} Sapphire solution later this month, which will be set up to print metal parts in [Inconel 718](#) (PDF), a nickel-based superalloy known for its superb tensile strength when subjected to extreme pressure and heat. It will be installed alongside other advanced manufacturing systems such as a top-of-the-line Makino a61nx CNC machining center. Vertex said it plans to add additional VELO^{3D} solutions in the future based on feedback from existing customers who value the quality, efficiency and productivity benefits.

“The intent is to have this first machine fully operational by the middle of July,” said Morris. “As we move forward, we want to leverage the knowledge and experience our team has in bringing products to market or taking them to production to bring a stronger focus on pursuing production programs, whether it’s traditional manufacturing, advanced metal AM, or a combination of both.”

In March, VELO^{3D} [announced](#) plans to merge with JAWS Spitfire Acquisition Corporation (NYSE: [SPFR](#)) and become a public company.

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

About Vertex

The pioneering spirit that drove Morris Technologies, Inc. to become the premier global supplier of additive metal printing services and capabilities is now fueling Vertex Manufacturing. Leveraging decades of experience with thousands of applications across the aerospace, medical, defense, oil & gas and consumer goods industries, Vertex is committed

to delivering products and services that meet or exceed customers' quality and schedule requirements, earning trust and conducting all aspects of what we do, and how we do it, with the highest levels of integrity: vertexmanufacturing.com/.

About VELO^{3D}

VELO^{3D}, one of *Fast Company's* 2021 World's Most Innovative Companies, empowers engineers and designers to imagine more and additively manufacture nearly anything with a fully-integrated patented solution of software, hardware, and process-control featuring Flow™ print preparation software, Assure™ quality assurance software and the Sapphire® family of laser powder bed 3D printers. VELO^{3D} additive manufacturing solutions for 3D-printing high-value metal parts allow for previously impossible geometries, so businesses can make the mission-critical parts they need without compromise. Customers include some of the world's most visionary companies, such as Aerojet Rocketdyne, Chromalloy, Honeywell, LAM Research and Raytheon Technologies. For more information, follow VELO^{3D} on [LinkedIn](#) or visit velo3d.com.

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