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Velo3D Expands Open Platform with Dyndrite Integration, Unlocking Advanced Toolpath R&D and Scalable Repeatable Production

Integration of Dyndrite LPBF Pro gives users direct vector-level control of laser speeds and feeds, making Velo3D systems a premier platform for AM research and production.

FREMONT, Calif., Oct. 1, 2025 /PRNewswire/ -- US-based Velo3D, Inc. (NASDAQ: VELO), a leading provider of metal additive manufacturing technology, and Dyndrite Corporation, a leading AM software provider, today announced the integration of Dyndrite's LPBF Pro software with its Sapphire and Sapphire XC print platform. The collaboration provides advanced users with complete vector-level control of laser speeds and feeds, giving Velo3D customers new capabilities for toolpath optimization and process development that can scale up into production.

With LPBF Pro writing vectors directly to Velo3D systems, engineers and researchers gain precise control over speed, precision, and repeatability. This freedom allows them to design and validate custom toolpath strategies tailored to their applications, expanding the manufacturing envelope and unlocking new opportunities in machine performance, part quality, and process innovation.

"With Dyndrite LPBF Pro enabled on Velo3D's machines, we are able to increase our development velocity," said Thomas Pomorski, Director of Additive Manufacturing at Ursa Major. "This partnership represents a strong step forward to an additive manufacturing ecosystem designed for scalability."

"At Velo3D, supporting our customers and advancing the state of additive manufacturing are at the core of what we do," said Darren Beckett, Chief Technology Officer at Velo3D. "By bringing Dyndrite onto our platform, we've created a true 1+1=3 moment: our technology plus their software gives customers capabilities they've never had before with any other combination of technologies."

"Velo3D has long recognized the powerful role software plays in advanced AM workflows, and with their support we're excited to extend our capabilities to their customers," said Harshil Goel, Founder & CEO of Dyndrite. "By adding Dyndrite LPBF Pro, Velo3D users gain new advanced control they need to push process development further, accelerating innovation and paving the way for production."

This integration underscores Velo3D's commitment to providing customers with open, flexible platforms that foster innovation at scale. It also reinforces Dyndrite's mission to transform additive manufacturing from a manual, trial-and-error process into an automated, software-defined, production-ready solution.

Metal AM users eager to explore the Velo3D–Dyndrite integration and partnership are encouraged to attend Dyndrite + Velo3D User Group, ICAM 2025 in Las Vegas, Tuesday, Oct. 7th at 4pm PT at Dyndrite Booth #301or join the freeDyndrite Hands-On Workshop on Sunday, Oct. 5, ahead of the conference kickoff.

About Velo3D:

Velo3D is a metal 3D printing technology company. 3D printing—also known as additive manufacturing (AM)—has a unique ability to improve the way high-value metal parts are built. However, legacy metal AM has been greatly limited in its capabilities since its invention almost 30 years ago. This has prevented the technology from being used to create the most valuable and impactful parts, restricting its use to specific niches where the limitations were acceptable.

Velo3D has overcome these limitations so engineers can design and print the parts they want. The company's solution unlocks a wide breadth of design freedom and enables customers in space exploration, aviation, power generation, energy, and semiconductor to innovate the future in their respective industries. Using Velo3D, these customers can now build mission-critical metal parts that were previously impossible to manufacture. The fully integrated solution includes the Flow print preparation software, the Sapphire family of printers, and the Assure quality control system—all of which are powered by Velo3D's Intelligent Fusion manufacturing process. The company delivered its first Sapphire system in 2018 and has been a strategic partner to innovators such as SpaceX, Honeywell, Honda, Chromalloy, and Lam Research. Velo3D has been named as one of Fast Company's Most Innovative Companies for 2024. For more information, please visit Velo3D.com, or follow the company on LinkedIn or Twitter.

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