



## **Materialise Introduces Build Processor Support for Desktop Metal Binder Jetting Systems**

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Leuven, Belgium, Nov. 10, 2020 (GLOBE NEWSWIRE) -- Materialise today announced support for Desktop Metal Binder Jetting™ technologies, including Desktop Metal's Shop System™ and Production System™ platforms. This strategic partnership will help reduce the complexity for companies looking to scale their 3D printing operations. Materialise also continues to pave the way towards improved machine connectivity by offering manufacturers more insight into the production process.

### **Support for Metal Binder Jetting**

As companies scale their metal 3D printing processes and integrate these operations with existing and proven production processes, they are confronted with increasingly complex environments and diverse machine technologies. Today's announcement supports Materialise's strategy to provide these companies with a more seamless, end-to-end workflow.

The partnership includes the introduction of a Desktop Metal Build Processor to support metal Binder Jetting technology for the company's Shop System and Production System technologies. Materialise Build Processors are widely used in industrial printing, translating 3D designs into machine-specific build files for a variety of machines. As part of the announcement, Materialise has also introduced sintering support generation for metal Binder Jetting as part of Magics' SG+ module and metal Binder Jetting enhanced 3D nesting. This integrated solution, compatible with Materialise's software suite, will help to create a better-connected workflow and improve productivity for metal Binder Jetting.

"Our partnership with Desktop Metal supports our next-generation Build Processor strategy to remove some of the remaining barriers to adoption of 3D printing as part of a connected, industrial manufacturing process," says Stefaan Motte, Vice President and Managing Director of Materialise Software. "Removing barriers of speed, scale and cost requires a closer integration between software and machine."

Desktop Metal, a leader in mass production and turnkey additive manufacturing solutions, will make the Build Processor available as an add-on software offering with its advanced metal 3D printing solutions, the Shop System for mid-volume manufacturing, and the Production System for high volume mass production. Metal Binder Jetting is carving out a valuable share in the metal manufacturing market by offering specific production advantages, including cost efficiency, accuracy and speed. With its innovative approaches, Desktop Metal is changing the way engineering teams produce metal parts.

"From the start, Desktop Metal has set out to disrupt traditional metal manufacturing with innovative products and technologies," said Arjun Aggarwal, Vice President of Product and Business Development at Desktop Metal. "The combined strength of our metal 3D printing solutions with Materialise's three decades of experience in 3D printing software and application development will help to accelerate the transformation of manufacturing with end-to-end metal 3D printing solutions."

The Shop System is designed to bring metal additive manufacturing to machine and job shops with an affordable, turnkey solution that achieves exceptional surface finish parts with rich feature detail at speeds up to 10 times those of legacy powder bed fusion additive manufacturing technologies. Created by leading inventors of binder jetting and single-pass inkjet technology, the Production System is designed to be the fastest way to 3D print metal parts at scale. The system is an industrial manufacturing solution designed to achieve speeds up to 100 times those of legacy powder bed fusion additive manufacturing technologies, enabling production quantities of up to millions of parts per year at costs competitive with conventional mass production techniques.

### **Advancing Serial Additive Manufacturing**

Successfully scaling additive manufacturing operations confronts manufacturers with increasingly diverse, complex and distributed environments. Optimizing production processes requires the possibility to fine-tune the various build parameters. By monitoring and analysing build data, manufacturers gain better insight into the production process and are able to make better informed decision about production planning. With the introduction of its Machine Connectivity Pack, as part of Materialise Streamics 8.2, Materialise is paving the way towards a more open market model by offering users actionable insights into their operations, allowing them to unlock the full potential of the technology.

"We believe access to build data is crucial to advance our industry and usher in a new era of industrial scale additive manufacturing", says Stefaan Motte. "That's why Materialise has always advocated open connectivity standards. I am excited that leading machine vendors such as Desktop Metal, share our beliefs and support machine connectivity through open standards such as MT Connect and OPC-UA."

## About Materialise

Materialise incorporates three decades of 3D printing experience into a range of software solutions and 3D printing services, which together form the backbone of the 3D printing industry. Materialise's open and flexible solutions enable players in a wide variety of industries, including healthcare, automotive, aerospace, art and design, and consumer goods, to build innovative 3D printing applications that aim to make the world a better and healthier place. Headquartered in Belgium, with branches worldwide, Materialise combines the largest group of software developers in the industry with one of the largest 3D printing facilities in the world. For additional information, please visit: [www.materialise.com](http://www.materialise.com).

## About Desktop Metal

Desktop Metal, Inc., based in Burlington, Massachusetts, is accelerating the transformation of manufacturing with an expansive portfolio of 3D printing solutions, from rapid prototyping to mass production. Founded in 2015 by leaders in advanced manufacturing, metallurgy, and robotics, the company is addressing the unmet challenges of speed, cost, and quality to make Additive Manufacturing an essential tool for engineers and manufacturers around the world. Desktop Metal was selected as one of the world's 30 most promising Technology Pioneers by the World Economic Forum and named to MIT Technology Review's list of 50 Smartest Companies. For more information, visit [www.desktopmetal.com](http://www.desktopmetal.com).

Desktop Metal, which is celebrating its five-year anniversary, recently signed a definitive business combination agreement with Trine Acquisition Corp., a special purpose acquisition company led by Leo Hindery, Jr., and HPS Investment Partners, a global credit investment firm with over \$60 billion in assets under management. For more information, visit [www.trineacquisitioncorp.com](http://www.trineacquisitioncorp.com).

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