Additive Industries
Industrialising 3D printing for functional parts

3DSIM

Press release

Additive Industries' MetalFAB1 first machine to be integrated into 3DSIM software

Integration of 3DSIM tools in Additive World Platform increases predictability and yield of 3D metal printing

ST. LOUIS, MO (USA) / EINDHOVEN (NL) – April 5, 2016
At the Annual Additive Manufacturing Users Group Conference in St. Louis, Missouri, Additive Industries and 3DSIM have announced that Additive Industries is the first metal additive manufacturing systems OEM to sign 3DSIM's machine manufacturer partnership agreement. Additive Industries will integrate 3DSIM's exaSIM and FLEX tools into its Additive World Platform, which supports the end-to-end 3D printing workflow. By implementing an exact representation of the MetalFAB1 system in 3DSIM tools, users of this first industrial additive manufacturing system will be able to simulate and optimize builds before actually printing them. This will increase both the predictability and yield of the process. Furthermore, it allows for a drastic reduction of the time needed for process qualification and accelerated innovation by eliminating much of the time-consuming, costly trial-and-error involved in metal additive manufacturing today.

This step further strengthens the partnership the two companies started in January 2015. "We believe 3DSIM's physics-based software tools will revolutionize the way future products are designed, produced and qualified. By seamlessly enabling our customers to manage parts and builds in the Additive World platform, simulate production in 3DSIM's software and finally producing that build on a MetalFAB1 machine, we are creating the tools needed for a truly integrated and predictable metal additive manufacturing process," said Brent Stucker, CEO of 3DSIM. "The 3DSIM software will allow us to speed up the development of our MetalFAB1 system and help our customers to increase productivity, speed up process qualification and reduce the cost of printed parts," adds Mark Vaes, Technology Manager of Additive Industries.

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Photographs and renderings of the MetalFAB1 system can be found on the Press Room section of the new www.additiveindustries.com website.

More information

Contact
Daan A.J. Kersten, CEO
Mobile: +31 (0)653400630
E-mail: d.kersten@additiveindustries.com

Additive Industries b.v.
Leidingstraat 27, NL 5617 AJ Eindhoven, The Netherlands
P.O. Box 30160, NL 5600 GA Eindhoven, The Netherlands
www.additiveindustries.com

About 3DSIM, LLC.
3DSIM is building the world's fastest scientific simulation framework to support metal additive manufacturing production and research. Each of 3DSIM's software tools is easy to use and available in the Cloud, enabling users to set up and review simulations from any internet-connected device. Through the use of novel meshing, mathematics and GPU architecture, they are providing their customers with insight into AM challenges at unprecedented speeds. 3DSIM is creating products and services that will accelerate innovation and revolutionize AM. Additional information can be found at www.3DSIM.com.

About Additive Industries
Additive Industries is dedicated to bringing metal additive manufacturing for functional parts from lab to fab by offering a modular 3D printing system and seamlessly integrated information platform to high-end and demanding industrial markets. With substantially improved reproducibility, productivity, and flexibility, Additive Industries redefines the business case for additive manufacturing applications in aerospace, automotive, medical technology and high-tech equipment.