

Press release

Additive Industries confirms productivity leadership and teams up with 3D metal printing pioneer Fraunhofer to accelerate **Independent study confirms lowest total cost and highest capacity**

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At the start of FormNext, the world's largest international trade fair for additive technologies in Frankfurt am Main, Germany, Additive Industries has presented the results of an independent benchmark study and launched a new partnership with Fraunhofer Project Center at the University of Twente and the Fraunhofer Institute for Production Technology IPT in Aachen, Germany. Ampower, the leading additive manufacturing consultancy, concluded in their independent benchmark study 'Productivity Evaluation for Metal Additive Manufacturing Systems' that Additive Industries' MetalFAB1 systems combine the lowest system investment with the lowest total cost per part and highest annual capacity. They tested 4 typical parts from various industries like medical hip implants, impellers from oil and gas industries, and parts from the automotive and aerospace industry. In all cases the MetalFAB1 won over the 15 other 3D metal systems using laser or electron beam melting technology included in the benchmark. In order to continue to be the leader in productivity, Additive Industries sold a MetalFAB1 system to the Fraunhofer Project Center at the University of Twente and has entered into a strategic collaboration with them and their colleagues in the Fraunhofer Institute for Production Technology IPT. The main aim of this partnership is to qualify new materials, improve design guidelines, increase post-processing expertise, and enable the integration of metal additive manufacturing into industrial process chains for broad industry acceptance.

'We have compared the productivity and cost level of the MetalFAB1 to a broad range of 15 peer systems in Powder Bed Fusion, similar in size and number of lasers as well as smaller size 3D metal printing systems. The conclusion is equally clear and surprising: the MetalFAB1 system has the lowest system investment (as measured by investment per [mm²] per laser) and lowest total cost per part for all 4 typical parts included in the study. Moreover, the system has the highest annual capacity in case of full automation and ability to run the system 24/7, almost twice the output of a single shift operated system,' according to Matthias Schmidt-Lehr, managing partner of Ampower.

"We are proud to get independent recognition for our productivity leadership. Although our customers' repeat purchases are a strong affirmation, this study will help us to substantiate our claims and short-circuit the discussions with prospective users. We will continue to improve our productivity and this is where the partnership with Fraunhofer is elementary. They were the inventors of our technology and being able to call them our customer is both a great recognition and



an inspiring basis for acceleration of our core technology, crucial for executing on our Top 3 ambition”, added Daan A.J. Kersten, CEO of Additive Industries.

<End of press release>

[More information](#)

Pictures can be found on the www.additiveindustries.com website.

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About Additive Industries

Additive Industries is accelerating industrial additive manufacturing of high quality, functional, metal parts by offering a modular end-to-end 3D printing system including a 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 series production of additive manufacturing applications in aerospace, automotive, medical technology and high-tech equipment.