

PICTURES

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3D printing – ready for series production **EMO Hannover 2023 – Two BMBF projects paving** **the way for additive manufacturing technology**



((bild01_Jasmin Saewe.jpg))

Dr.-Ing. Jasmin Saewe, Head of Laser Powder Bed Fusion Department at Fraunhofer ILT: "Internationally, many countries are investing heavily in additive manufacturing and its industrialization right now."

Foto: Fraunhofer ILT

Innovate Manufacturing.

www.emo-hannover.de



((bild02_Christoph Hauck.jpg))

Christoph Hauck, director, toolcraft AG: "Unfortunately, the pace of the industrialization of additive manufacturing in Germany is falling behind that of other industrialized nations such as China and the USA."

Foto: toolcraft



((bild03_Markus Langer.jpg))

Markus Langer, Head of Technology and Development Programs at toolcraft: We succeeded in incorporating the subprocesses more effectively in a complete manufacturing chain."

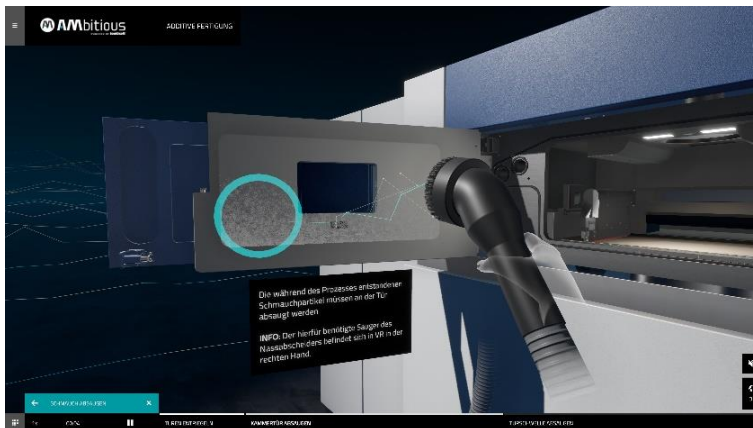
Foto: toolcraft



((bild04_Weiterverarbeitung.jpg))

In the BMBF project IDEA, the automation of previously manual work steps increased process stability and quality.

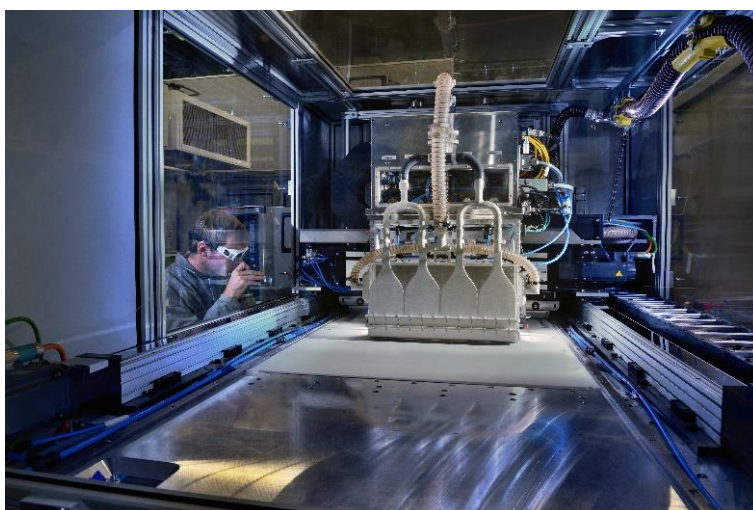
Foto: toolcraft



((bild05_Schlauchabsaugen.jpg))

In combination with interactive training and VR goggles, the digitalization of work and inspection instructions makes it easier for specialists to work on highly complex machines and manufacturing processes.

Foto: toolcraft



((bild06_LPBF_ScalAr.jpg))

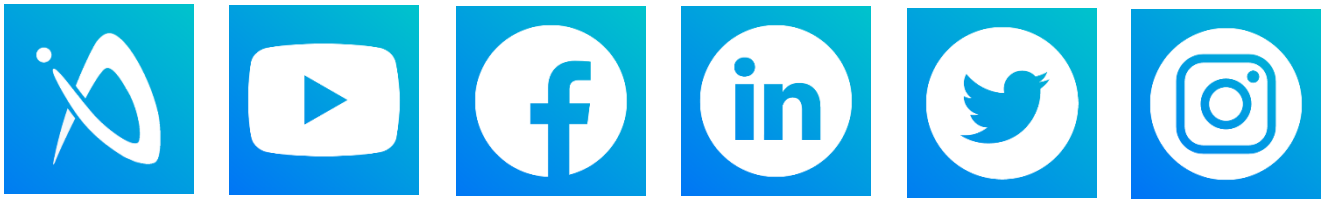
The Fraunhofer ILT established the laser-based powder bed fusion (LPBF) process more than a quarter of a century ago. The picture shows a prototype machine whose productivity was significantly increased by multiplying the number of laser beams.

Foto: Fraunhofer ILT

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