

LUNOVU LMD system successfully put into operation at Brandenburg University of Technology

Herzogenrath / Cottbus (Germany), January 7, 2019

At the Brandenburg University of Technology (BTU) in Cottbus, Germany, a Laser Metal Deposition (LMD) system has been successfully put into operation. The machine system was manufactured by the technology company LUNOVU GmbH based in Herzogenrath, Germany. The LMD system was purchased by the chair for mechanical design and manufacturing, headed by Prof. Markus Bambach, to meet multiple requirements ranging from materials development to the production of light weight materials. "A major target of our research activities is the local engineering of materials and parts", says Prof. Bambach. "Therefore, it was crucial to procure an LMD system which is reliable and easy to be operated. At the same time, we also looked for a flexible system that can be easily extended according to future research requirements". And he adds, "Even special features could be implemented by LUNOVU, such as the integration of a laser cutting module. This will help us to develop local reinforcements on sheet metal blanks. And finally, we were quite impressed by the very professional and fast installation, including the final process start-up of the system."



Dr. Rainer Beccard, managing director at LUNOVU GmbH, adds, "We are very happy that BTU Cottbus has chosen a LUNOVU LMD system. We are excited about the future research topics in which the machine is intended to play an important role".

LUNOVU designs and develops LMD systems for research and industry. The product portfolio comprises CNC and robot-controlled systems. A major development focus is on unique solutions for machine and process control. The LUNOVU technology allows manufacturing of complex 3D parts directly from CAD models, or optical scanning of parts with a subsequent 3D build process without further programming.

The chair for mechanical design and manufacturing at BTU Cottbus focuses in a holistic approach on virtual concepts for manufacturing processes from design to the final part. The target of the experimental work is the exploration of integrated process chains, with a special focus on hybrid processes that combine forming, additive and subtractive methods.

Contact:

info@lunovu.com

bambach@b-tu.de