About this organisation

Machine translation

This organisation has been machine-translated based on data provided in German.

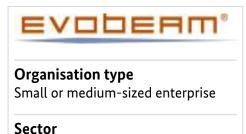
The EVOBEAM team has more than 30 years of experience in the development and production of vacuum systems for high-precision, high-productivity processes in the automotive and aerospace industries. EVOBEAM specialises in additive manufacturing and welding technology with the electron beam and laser in a vacuum. Our expertise includes vacuum furnaces and presses as well as CNC and real-time controls.

Additive manufacturing technologies can make a significant contribution to the creation of complex lightweight structures. This applies in particular to the LPBF process. The technology used by Evobeam, the LPBF process in a vacuum at high preheating temperatures, is particularly suitable for processing refractory metals such as titanium. The high preheating temperatures of up to 800 degrees minimise distortion. Evobeam's wire-based additive processes, whether with electron beam or laser, also offer the potential to produce more complex workpieces in a much more material-friendly and cost-effective way. The focus here is on titanium and aluminium.

Am Hofgut 5 55268 Nieder-Olm Rhineland-Palatinate Germany ☑ evobeam.com







Employees 10 up to 49

Turnover €2m - €10m

Funding

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About this organisation				
Main areas covered	Electron beam welding machines, Laser welding machines in a vacuum, LPBF and DED-LB-w in a vacuum, DED-LB-w under atmosphere, EBAM - Electron beam DED-EB-w			
Infrastructure				
Certifications	ISO 9001, ISO 3834, DIN 2303 Q1Q2Q4			
Keywords				
Memberships	DVS e.V.			

Overview of lightweighting expertise **Machine translation** This organisation has been machine-translated based on data provided in German. Manufacturing & Supply Research **Development** Offer **Products** Machines and plants **Services & consulting** Testing and trials, Engineering Field of technology Design & layout Functional integration Measuring and testing technology Modelling and simulation Plant construction & automation Plant construction, Automation technology, Robotics Recycling technologies

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Overview of lightweighting expertise **Machine translation** This organisation has been machine-translated based on data provided in German. Manufacturing Research **Development** & Supply **Manufacturing process** Additive manufacturing Deposition welding, Electron beam melting, Selective laser melting (SLM, LPBF, ...), Selective laser sintering (SLS) Coating (surface engineering) Fibre composite technology Forming **Joining** Welding Material property alteration **Primary forming** Processing and separating Textile technology

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Overview of lightweighting expertise

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	Research	Note:	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals Aluminium, Intermetallic alloys, Magnesium, Steel, Titanium	✓		~
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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Contacts

Mr Dr. Ing. Johannes Weiser

Head of Additive Manufacturing

johannes.weiser@evobeam.com

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