

About this organisation

Machine translation

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

QS-engineering is a partner for the development and quality assurance of components. Our concept is to offer not only contract measurements, but also complete, turnkey solutions. We provide support in the development and design of components. We develop the corresponding quality concept, measure the prototypes and supervise the start of series production. With our casting simulation, we can also optimise lightweight construction concepts in casting.

As a partner in development, QS-engineering offers the potential to fully safeguard lightweight construction concepts. We provide support in the development phase with the design and casting simulation of components that are essentially focussed on lightweight construction. We also develop and implement the corresponding quality assurance concepts. Our measurement technology is used for this. In the aerospace industry, for example, we use our mobile measurement technology (an optical or tactile system, depending on the application) to check the geometric conformity of lightweight structures. By means of optical scanning (the digitalisation of component geometry), prototype tests, for example, can be evaluated in much greater detail with regard to geometric changes. Metal casting simulation makes it easier to identify and avoid critical areas in cast lightweight structures during the pre-development phase.

Salinenstraße 18
74177 Bad Friedrichshall
Baden-Württemberg
Germany
www.qs-engineering.de



Organisation type

Small or medium-sized enterprise

Sectors



Others: Metall-Gießerei

Employees

Up to 9

Turnover

Up to €2m

Funding

n/a

About this organisation

Main areas covered	Wage measurement, Component design, Quality management, Reverse engineering, Optical scanning
Infrastructure	Coordinate metrology, Mobile measurement technology, Optical measurement technology, Tactile measurement technology, Casting simulation
Certifications	ISO 9001:2015, VDA 6.2
Keywords	Wage measurement, Quality control, Construction, Simulation
Memberships	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
Services & consulting Consulting, Testing and trials, Engineering, Prototyping, Validation, Simulation	✓	✓	✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts		✓	✓
<i>Functional integration</i>			
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), System analysis, Non-destructive analysis		✓	✓
Modelling and simulation Optimisation, Processes		✓	✓
Plant construction & automation Plant construction		✓	✓
<i>Recycling technologies</i>			
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
<i>Fibres</i>			
<i>Functional materials</i>			
Metals			
Aluminium, Magnesium, Steel		✓	
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

Mr Fabian Giehl, M.Sc / Dipl. Ing.

Management

fabian.giehl@qs-engineering.de