Visometry GmbH

TWYN - Augmented reality-based quality inspection

About this organisation

Machine translation

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

Visometry develops augmented reality and computer vision solutions and supports companies in the digitalisation of industrial processes. The focus is on the development of technologies for the quality inspection of components and assemblies: With the Twyn AR inspection system, the start-up is setting new standards for visual quality inspection in mechanical and automotive engineering.

With the procedures for quality control of components and assemblies, very complex components can be quickly, flexibly and efficiently validated. This means that significantly more components can be inspected with the aim of achieving a 100% inspection of the manufactured components in order to avoid resource-intensive dismantling processes. The computer vision-based inspection systems can be used for incoming/outgoing goods inspection as well as for an "end-of-line" inspection, in which a specific construction status of a comprehensive assembly is checked.

Fraunhoferstr. 5
64283 Darmstadt
Hesse
Germany
www.visometry.com

Organisation type
Small or medium-sized enterprise

Sectors

Employees
10 up to 49

Turnover
Up to €2m

Funding

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Main areas covered	Quality control in mechanical engineering
Infrastructure	Software developer
Certifications	
Keywords	Quality inspection, Digitisation, Augmented Reality, Computer Vision, Digital Twins
Memberships	VR/AR Association - The VRARA

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Software & databases	✓	✓	✓
Services & consulting Validation		✓	✓

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing			✓
Functional integration Media conductivity			✓
Measuring and testing technology Visual analysis (e.g. microscopy, metallography), Non-destructive analysis			✓
Modelling and simulation Reliability validation			✓
Plant construction & automation Plant construction, Automation technology, Robotics			✓
Recycling technologies			
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals			
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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