

About this organisation

Machine translation

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

inoson GmbH is a service company specialising in the field of ultrasound. We carry out application-specific developments in the field of sensor technology and non-destructive testing methods as a service with and for the client as well as metrological services. We also supply application-specific testing systems, in particular based on air-coupled and therefore non-contact ultrasound.

We offer one-sided, air-coupled testing methods for the characterisation of lightweight parts or components. The focus here is on one-sided and non-contact ultrasonic methods. In particular, guided acoustic waves are used here, which allow integral and thus process-integrated testing methods with regard to delamination, reinforcements or cavities and other defects. Ultrasound has the advantage of direct interaction with elastic or topographical workpiece/material properties. We also use ultrasound for flow measurement, concentration and level determination and also for air bubble detection in process technology. Due to their influence on elastic properties, we can also use these methods to characterise hardening processes and material properties.

Sophie-Krämer-Str. 8
66386 St. Ingbert
Saarland
Germany
www.inoson.de

Main areas covered Ultrasonic inspection systems, Flow measurement for resins, Non-contact level measurement in

Infrastructure Ultrasound laboratory

Certifications

Keywords Ultrasound, NDT, Test procedure, Process sensors

Memberships AMA



Organisation type

Small or medium-sized enterprise

Sectors

No specific sector

Employees

10 up to 49

Turnover

n/a

Funding

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
Services & consulting			
Validation	✓	✓	✓
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
Measuring and testing technology			
Non-destructive analysis	✓	✓	✓
<i>Modelling and simulation</i>			
<i>Plant construction & automation</i>			
<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>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Mr Dipl.-Ing. Thomas Hahn-Jose
Managing Director

th@inoson.de