

About this organisation

Machine translation

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

We develop and sell special imaging ultrasonic testing systems for materials with high sound attenuation, for high frequencies up to 200 MHz and systems with coupling via air. We also offer multi-channel testing systems, for example for concrete testing with contact probes or for structural health monitoring (SHM) with guided waves.

We offer optimised solutions for the special testing requirements of lightweight structures. This includes, for example, coupling agent-free testing technology via air or localised water gap coupling for mobile testing.

Hermann-Schlichting-Strasse 3  
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Lower Saxony  
Germany  
[www.hillger-ndt.de](http://www.hillger-ndt.de)



**Organisation type**  
Small or medium-sized enterprise

**Sector**

**Employees**  
Up to 9

**Turnover**  
n/a

**Funding**

**Main areas covered**      Imaging ultrasonic inspection systems

**Infrastructure**

**Certifications**

**Keywords**      Imaging ultrasonic testing technology, Air-coupled ultrasound, Ultrasonic testing in diving technology, High-frequency ultrasound, Low frequency ultrasound

**Memberships**      DGZFP

## Overview of lightweighting expertise

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|                                                                                           | Research | Development | Manufacturing<br>& Supply |
|-------------------------------------------------------------------------------------------|----------|-------------|---------------------------|
| <b>Offer</b>                                                                              |          |             |                           |
| <b>Products</b><br>Machines and plants, Software & databases,<br>Systems and end products | ✓        | ✓           | ✓                         |
| <b>Services &amp; consulting</b><br>Validation                                            | ✓        | ✓           | ✓                         |
| <b>Field of technology</b>                                                                |          |             |                           |
| <i>Design &amp; layout</i>                                                                |          |             |                           |
| <i>Functional integration</i>                                                             |          |             |                           |
| <b>Measuring and testing technology</b><br>Materials analysis, Non-destructive analysis   | ✓        | ✓           | ✓                         |
| <i>Modelling and simulation</i>                                                           |          |             |                           |
| <i>Plant construction &amp; automation</i>                                                |          |             |                           |
| <i>Recycling technologies</i>                                                             |          |             |                           |

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|                                     | Research | Development | Manufacturing<br>& Supply |
|-------------------------------------|----------|-------------|---------------------------|
| Manufacturing process               |          |             |                           |
| Additive manufacturing              |          |             |                           |
| Coating (surface engineering)       |          |             |                           |
| Fibre composite technology          |          |             |                           |
| Forming                             |          |             |                           |
| Joining                             |          |             |                           |
| Material property alteration        |          |             |                           |
| Primary forming                     |          |             |                           |
| Processing and separating           |          |             |                           |
| Textile technology                  |          |             |                           |
| Material                            |          |             |                           |
| Biogenic materials                  |          |             |                           |
| Cellular materials (foam materials) |          |             |                           |
| Composites                          |          |             |                           |
| Fibres                              |          |             |                           |
| Functional materials                |          |             |                           |
| Metals                              |          |             |                           |
| Plastics                            |          |             |                           |
| Structural ceramics                 |          |             |                           |
| (Technical) textiles                |          |             |                           |

## Contacts

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