

Pipeline Inspection

ULTRASONIC TRANSDUCERS

MADE IN GERMANY

Ultrasonic Transducers

Ultrasonic Transducers for Smart Pigs

Pipelines are an essential component of our modern world's infrastructure. They transport oil, gas, and a variety of other products over long distances, contributing to energy supply and prosperity. Worldwide, there are more than 3 million kilometers of pipelines, and the market continues to grow.

The nondestructive inspection of pipelines is important to detect damages such as corrosion and cracks that can lead to accidents. Ultrasonic testing is an inspection method that allows for precise assessment. The design of a probe as well as the quality of the tests are crucial for the results of subsequent testing with smart pigs and their analysis.



- **Center frequencies: 2 MHz to 10 MHz**
- **Chemically high resistant epoxy resin**
- **Extended temperature range: -20°C to +80°C**
- **High pressure resistance up to 350 bar**
- **High reproducibility of acoustic characteristics in series**

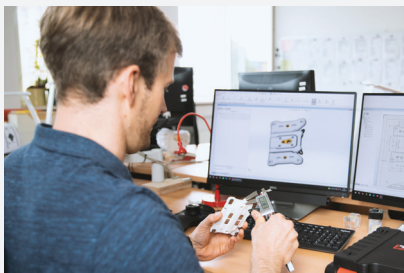
Your Requirements – Our Service

Preliminary
Examination

Feasibility study

Individual proposed
solution

Collaboration with integrators and research institutions



**Comprehensive Project
Consulting**



**Swift Delivery of Prototypes
& Series Products**



Your Product

SONOTEC has over 25 years of experience in the development and manufacturing of transducers for ultrasonic smart pigs. A high reproducibility of the acoustic properties and an outstanding mechanical quality to withstand extreme environmental conditions and aggressive media are particularly important.

Contact and Support

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