



Ensuring sustainable practices

- Decarbonisation
- Innovation
- Territorial Development
- Stakeholder Awareness

Committed to a sustainable product lifecycle

- Eco-design
- Repair, Reuse, Sustainability
- Recycling

Human-centered

- Wellbeing and safety of our employees
- Diverse and equal opportunities
- Support for employees with disabilities
- Intergenerational collaboration

D E F E N C E

SiLoNT

Sonar Test System



SiLoNT has been designed to allow testing for a Sonar Array at each stage of the manufacture process, from Transducer to Acoustic Face to Full system

Characteristics

- Modular system to facilitate mobility of the test solution. **Specific configuration according to customer requirements.**
- Use of revolutionary technology and methods to accurately test across a broad frequency spectrum with an **exceptionally low noise floor**
- Eliminates failures due to faulty components or manufacturing processes at the earliest possible stage to **reduce costs and waste** while **improving on time delivery**



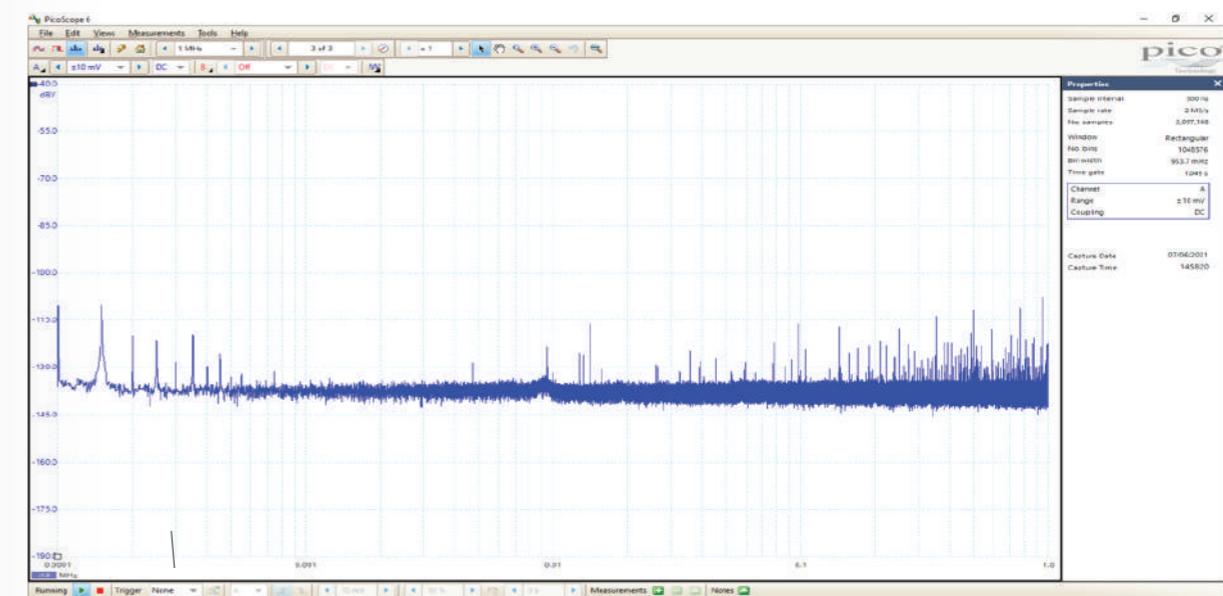
Element Tester

- Tests for continuity looking for short circuits and open circuits
- Electrical measurements such as Capacitance, Susceptance, Resonant Frequency, Cross Correlation and Loss can be made to ensure the device does not have any major defects after assembly

Acoustic Tester

- Typical tests include Gain, Cross Talk, Phase and Noise Floor Measurements
- Functional testing is performed by signal / in air injection to the unit under test

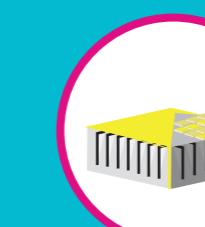
Our System is capable of measuring exceptionally low noise floors



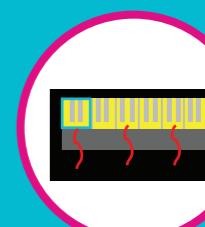
INDIVIDUAL CELL



SUB ASSEMBLY



ARRAY BLOCK



POTTED ARRAY



SYSTEM FIELD TEST

Large Volume Data Download Facility

Allowing removable media storing data measured in Tb per second. Removeable media allows for secure storage while avoiding costs for encryption in on board storage

