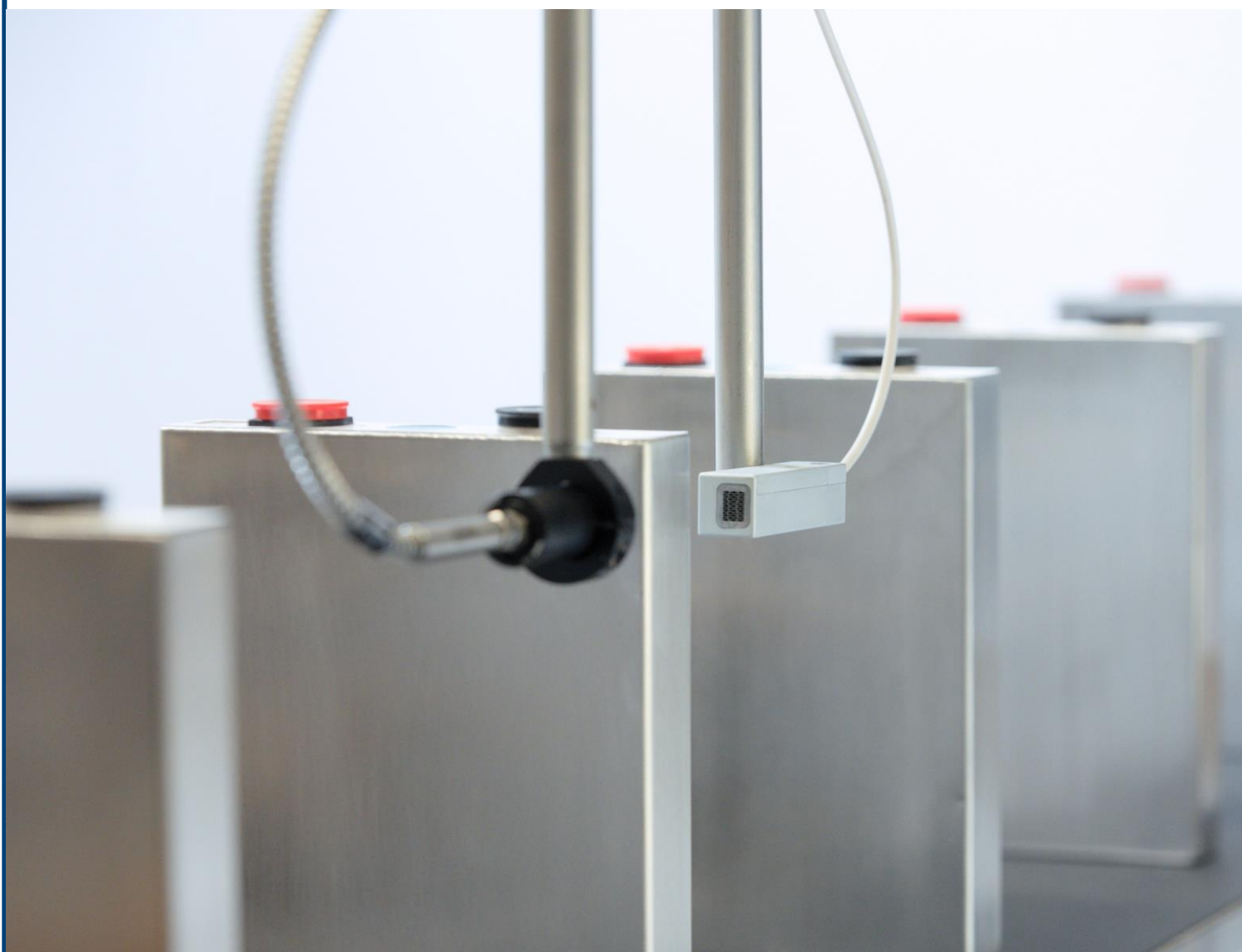


Contact-free Ultrasound

Battery Inspection



see with sound - hear with light

xarion
laser acoustics

XARION's battery inspection solutions

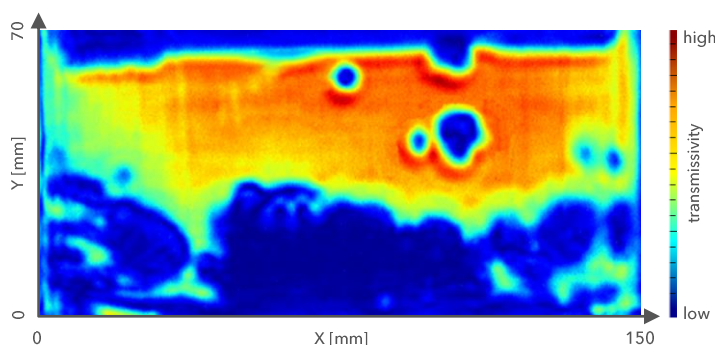
XARION's unique Laser-Excited Acoustics (LEA) ultrasound NDT for batteries detects quality issues in battery cells by utilizing non-contact ultrasound. In contrast to conventional ultrasonic testing, XARION does not require any coupling agent or gel.

Features - See inside the battery cell!

- ✓ Ultrasonic NDT without contact or coupling liquid
- ✓ Fully automated and high-speed
- ✓ 1-channel and 8-channel array solutions
- ✓ Single-sided or through-transmission configuration
- ✓ Inspection of the electrolyte wetting status with 0.2 mm resolution
- ✓ High-speed in-line inspection

Solutions for the battery industry

- Monitoring of **foil-to-tab weld** processes
- Inspection of **pouch cell sealing**
- Detection of **thermal paste**
- Inspection of **laser-welded** bus bars
- **Electrolyte wetting** in pouch cells and prismatic cells



XARION measurement result of a cell's electrolyte distribution

Contact:
opticalmicrophones@xarion.com
+43 1 9076076

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