

Detect through Air !

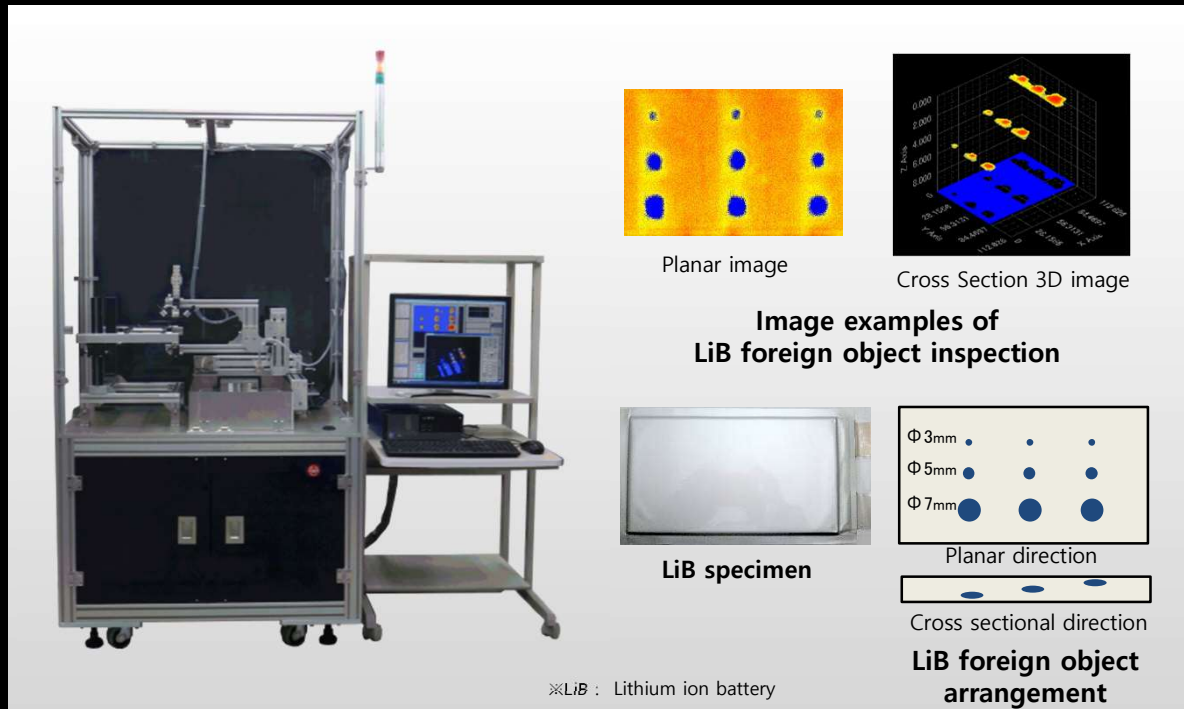
Detect defects by Air coupled ultrasonic waves.
Visualize C-scope image in real time.

Diagnose by Immersion !

Detection of defects in detail by immersion ultrasonic testing.
Visualize in-depth angles in 3D.

Perform Double Roles, Evaluation of Material & System Analysis !

Enable Japan Probe to respond to inspections that were never achieved before.
For example : Lithium ion battery, composite material, solar panel,
wind power generation blades, brake pad, IC chips, films and so on.



Non-contact Air coupled Ultrasonic Testing system

NAUT21-I

Combination Model of Air Coupled / Immersion
Ultrasonic Testing system
for Evaluation & Analysis of Materials

We accept your samples for test,
free of charge, and devices are available to rent !

Search "Japan Probe" and visit website
for solution videos.



NAUT21

Example of In-situ Test

NAUT21 will visualize the electrochemical reaction of Lithium Ion Battery during charge & discharge at In-situ

■ Measurement Condition for Discharge Test

- Specimen : Lithium ion battery
- Discharge condition : Discharge by varying resistance and current values
- Device : Non-contact air coupled ultrasonic testing system 'NAUT21'
- Transducer : Air transducers (Point focusing type)



■ Discharge Test Result (C-scope)

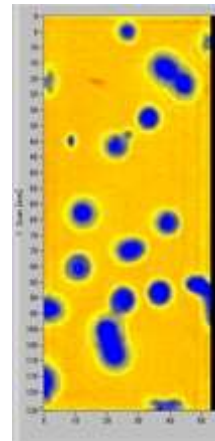
1. Test start



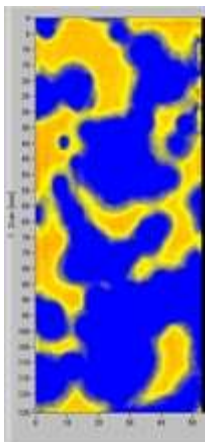
2. After 5 hours and 35 mins.



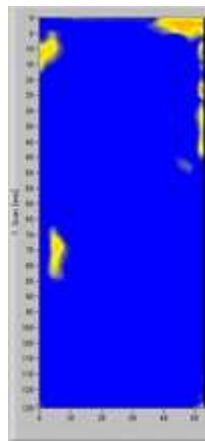
3. After 5 hours and 45 mins.



4. After 5 hours and 55 mins.



5. After 6 hours



6. After 6 hours and 10 mins.

