

Space saving !

Transducers and the mechanical part are placed on only one side of the specimen. The required space is halved.

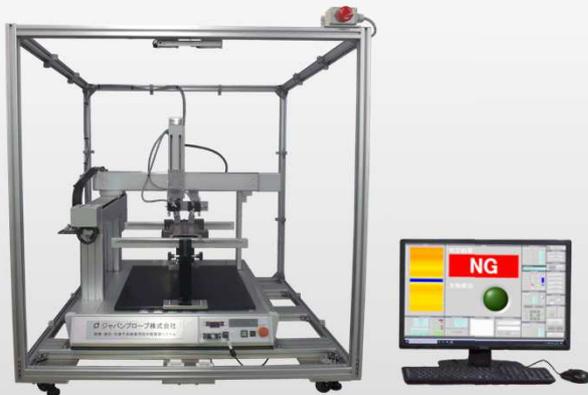
Detect through Air !

It enables you to detect specimens without damaging or getting them wet regardless staining or transparency.

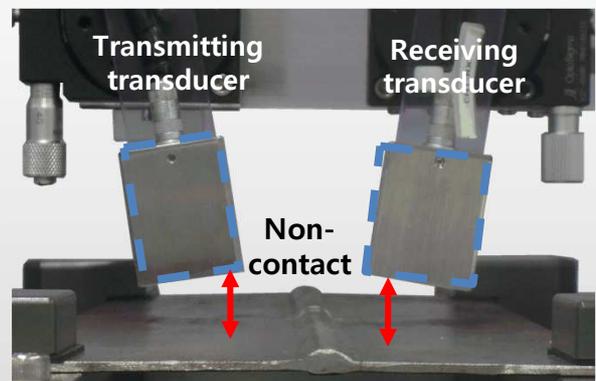
Realize Image optimization processing of ultrasonic waveform signal !

Processing the detected ultrasonic waveform signal with image optimization, and display it for easy-to-understand.

NEW



NAUT21-S



Transducers located above Steel

NAUT21-S enlarged inspection part

Non-Contact Air Coupled Ultrasonic Testing

NAUT21-S

Single-side model

Patent No. 4903032

We accept sample tests free of charge!

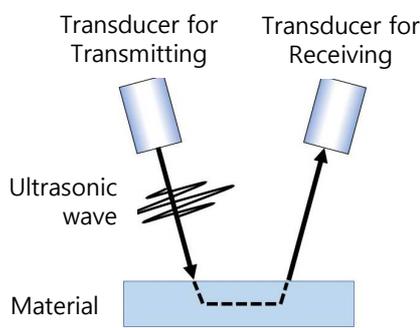
Search "[Japan Probe](#)" on the website, and please contact us.

Single-side Transmission model, Non-Contact Air Coupled Ultrasonic Testing NAUT21-S

Expanded application scenes by single-sided air coupled ultrasonic testing system !

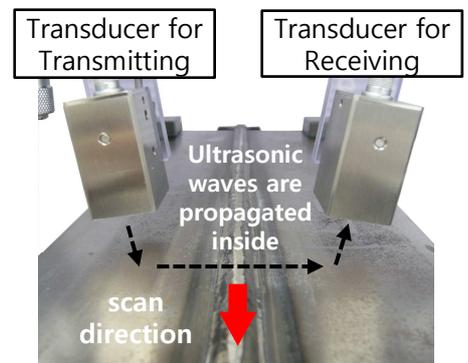
"NAUT21" is an ultrasonic inspection system that propagates waveform signal in the air. It enables you to detect specimens without damaging or getting them wet regardless staining or transparency. The new model "NAUT21-S" uses the "single-side transmission method", which allows transducers to be placed on the same side.

Single-side Transmission method



Single-side transmission method
Placed transducers on the same side

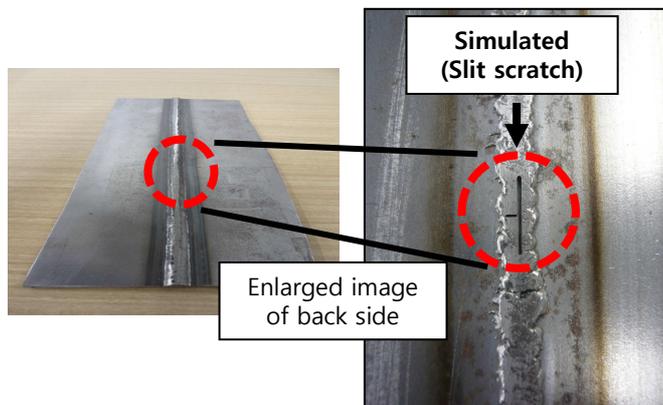
The "single-side transmission method" is a method in which transducers are placed only on one side of the material and ultrasonic waves are propagated inside. As the result, it detects adhesion, and filling defects of the metal of the boundary or resin. It is suitable for the limited space such as box-shaped materials and in-line inspections.



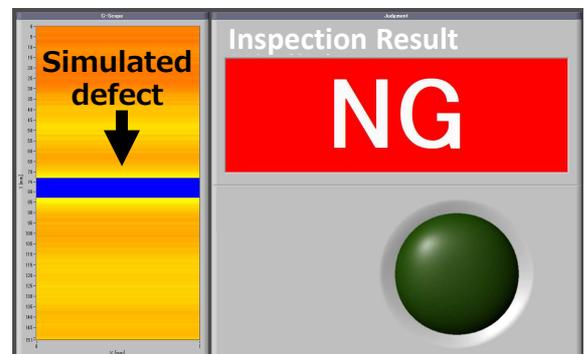
NAUT21-S
Scanning scene during inspection

Example of Inspection – Lithium Ion Battery (LiB)

- Specimen : Steel plate (butt welded)
- Inspection : Inspection of simulated defects (slit) placed on the back of the weld bead
- Model : NAUT21-S
- Transducer : Air transducer (Flat type)



Sample images
(Appearance of Steel / simulated defect on the back)



Display of Inspection result
(C-Scope)

