Fit like Octopus!
Being realized by a matrix structure of "flexible composite elements", "matching layer", and "damping materials".

Excellent Cost Performance!
No Wedge!
Enabling the inspection of materials with flat and curved surface.

Available for Various Applications!
Fitting to various shapes by own structure of transducer, and suitable for industrial as well as medical field.

Ultrasonic Flexible Transducer
TAKOTAN

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

Search "Japan Probe" and visit website for solution videos.
“TAKOTAN” is an ultrasonic transducer that realizes inspection and measurement to fit on curved surfaces with its flexibility using 3 layer structure consisting of, “composite elements”, “matching layer” & “damping materials”. Its enhanced usability allows it to be used with commercially available ultrasonic flaw detectors. With the help of an ultrasonic array flaw detector (2D matrix type), inspection and measurement results can be displayed as a waveform, section and flat images.

### Application Field
- Aerospace
- Automobile
- Chemical, Petrochemical plant
- Electronics
- Road, Bridge
- Medical field, etc.

### Target
- Metal
- Resin, etc.

### Standard Features (Flexible transducer)
- Type: Single or dual element straight beam
- Frequency: 2 ~ 10 MHz
- Element size: Φ5 ~ Φ10
- Connector: LEMO(S) / G51 / C25
- Operating temperature: Room temperature

### Standard Features (Flexible matrix array transducer)
- Type: 2D Matrix
- Frequency: 3.5 ~ 10 MHz
- Element: 16 ~ 64 elements
- Connector: HYPERTRONICS / TYCO / IPEX / ITT CANON
- Operating temperature: Room temperature

We offer customized products based on customers’ needs. Please visit ‘contact us’ by WEB site below.

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