



The Kelpie replaces challenging inspections with a simple solution. Designed to adapt to all geometries, the Kelpie is suitable for the inspection and corrosion mapping of components across a wide range of industries.

Offering unparalleled dexterity, the Kelpie's flexible and low-profile tongue allows for continuous flexing, twisting and bending during scanning. This facilitates simple inspection of small-diameter piping, angular surfaces, elbow joints and corners. With its fully flexible form, users simply need one probe for all inspections.

Utilising an IPEX connector the Kelpie can be easily connected to any standard UT acquisition unit.\*

With a range of customisable parameters including frequency, pitch, kerf and form, the Kelpie can be transformed to suit your application.

## applications



AEROSPACE

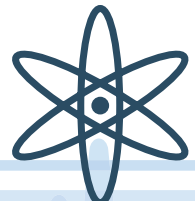
[www.novosound.net](http://www.novosound.net)



OIL & GAS



POWER



NUCLEAR

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## Specifications

Frequency	20 MHz	No. of Elements	64 (linear)
Pitch	1.0 mm	Elevation	5.0 mm
Active Aperture	63.8 mm	Relative Bandwidth	60 % (-6dB)
Flexible Sensor Dimensions (LxWxH)	110 x 30 x 0.5 mm	Overall Probe Dimensions (LxWxH)	200 x 60 x 25 mm
Connector Type	IPEX Minidock	Maximum Temperature	80°C
Min Bend Radius	5.0 mm**	Maximum Twist Angle	45°

\*\* Signals can be achieved through 5mm radii but smaller pitch may be required for sufficient resolution when inspecting.

## Put the Novosound Kelpie to the test

The Evaluation Kit is designed to allow you to assess the performance of the Kelpie within minutes. Containing test pieces of different geometries, the kit enables the evaluation of multiple parts using one UT tool, reducing the need for you to perform proof-of-concept tests out in the field.

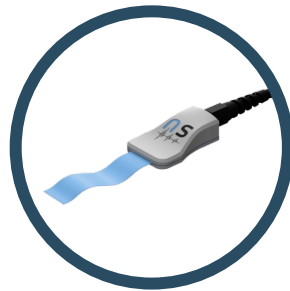
- Quickly scan different materials and geometries with one UT instrument
- Minimal set-up time allowing the evaluation of real data instantly
- Cost-effective way to learn about the performance of the Novosound Kelpie
- Make informed decisions faster, accelerating the development process



## Which solution works best for me?

### The Kelpie

The novosound Kelpie with standard cabling and connector



### The Kelpie + Evaluation kit

The Evaluation kit includes the Novosound Kelpie and three test tools for validation and assessment of the Kelpie. Tools include an aluminium/steel flat surface, steel pipe and aluminium curved radii.



### The Kelpie + Evaluation kit + Non-Recurring Engineering

Do you have a custom project? Novosound's team of technical specialists and in-house manufacturing capabilities enable us to meet the most rigorous NDT performance requirements.



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