

Manufactured to give improved performance, ALL our Rail Axle probes are manufactured to the highest standard and come with a Calibration Certification / Label as standard. Our Test system records the individual serial number tracking the wear at every calibration interval which typically is 12 months from point of issue, this allows us to continually improve our offerings.

Probe Types Available are: -

Standard Double Crystal Probes.



LTCBR standard range consists of -

0°, 5°, 7.5°, 10°, 12.5°, 15° and 17.5°

Large Twin Crystal Axle Probe for end scan and low angle scan.

Crystal Size: 10 x 20mm (x2)

HE Double Crystal Probes.

TCCR standard range consists of -

0°, 5°, 7.5°, 10°, 12.5°, 15° and 17.5°

Twin Crystal Axle Probe for end scan and low angle scan.

Crystal Size: 10 x 20mm (x2)



High Angle Single



LSSBR standard range consists of -

37°, 45°, 52°, 60° and 90° (surface wave)

Single Shear Wave for high angle scan radiused to suit.

Crystal Size: 15mmø

Miniature Single Crystal Probes.



SS range covers angles from 38° to 90° (Surface Wave) and can be radiused to suit. Various frequencies are also available as standard.

Compression Wave Probes



Single Crystal 20mmø

SCBR20 Small Type (SP43)

SCBR20 Large Type (SP45)

WL/WS Delay Wedges to suit

Single Crystal 10mmø

SCLP Miniature Low Profile with Integral Cable BNC Connector



All of the above probes are available in different frequencies, please ask for full specifications.

Also available: Cables, Calibration Blocks, & NDT Accessories.

Ultrasonic Probes For the Railway Industry



- All our Rail Track probes come with a Calibration Certification & Calibration Label
- Certificate of Acceptance for Network Rail Probes
- Our Twin Crystal probes are available in all standard and custom angles
- Our modified Rail Weld Test Jig which relates to test procedure U6





Welcome to GB Inspection Systems Ltd



Rail Weld Test Jig



GB Inspection Systems Limited is a leading UK manufacturer and designer of ultrasonic probes and accessories. We supply NDT equipment and consumables and provide a repair and calibration service covering most types of NDT equipment.

Established over 30 years and with a comprehensive worldwide customer base from a wide range of industries which include - Power Generation, Gas, Oil, Nuclear, Inspection, Railway and Aerospace.

GB Inspection Systems Limited was one of the first NDT companies in the UK to successfully achieve registration to BS5750, ISO 9002 and now **ISO 9001:2015** for a quality system underlining our commitment to quality. Also, we are a RISQS verified supplier.

QMS—ISO 9001:2015



Certification Number: Q05339



GB Inspection Systems Limited has many years' experience in the repair, service and calibration of all makes of Ultrasonic, Eddy Current and Magnetic Particle Inspection equipment.

GB Inspection Systems Ltd have designed and manufactured Ultrasonic Probes and Accessories for the Rail Industry since 1994, the first supplies going to the Railway Technology Centre in Derby and from then on not only Nationwide but Internationally.

GBIS are pleased to announce the release of the improved version of its long established "RWTJ-1" (Rail Weld Test Jig) used for the inspection of Rail Track using 2 versions of UT Probes designed to detect the lack of fusion in alumina-thermic weld joints. This test relates to the Network Rail Test Procedure U6.



The modified jig can now be used with both the standard range of GB Track probes "LSST" and the newly developed and Network Rail certified version "LSSTNR".

The original design was a simple and effective one however GBIS identified an opportunity to improve robustness and ease of use by implementing a modified drive system and more reliable probe fixtures. The removable lids give total flexibility as to the of test as these can be removed without need for any tooling.

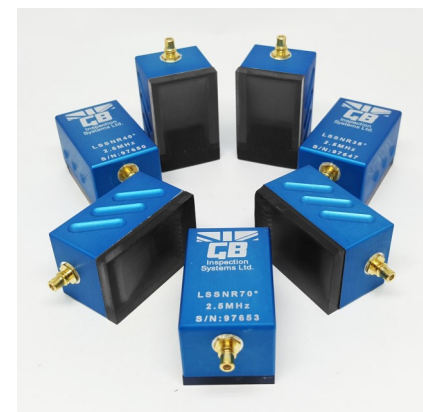


Network Rail Certificate of Acceptance



GB Inspection Systems is pleased to announce that we have been awarded Certificate of Acceptance for manufacturing Network Rail Ultrasonic Probes (PA05/06763).

GBIS are thrilled to be a positive contributor to the reduction of risk and improvement of safety in the rail track industry.



Network Rail Certified Probes



Typical Network Rail Probe Set

Ultrasonic Probes for Track Testing



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GB Inspection Systems Ltd