Ultrasonic Probes for Track Testing

Manufactured to give improved performance, ALL our Rail Track probes are manufactured to the highest standard and come with a Calibration Certification & Calibration 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 better predict a probe replacement date.

**SCT** Single Crystal Track
Single Crystal 0° Normal Beam
*Crystal Size: 15mmø*

**TCT** Twin Crystal Track
Twin Crystal 0° Normal Beam
*Crystal Size: 10mmø*

**LSST** standard range consists of -
38°, 40°, 45° and 70°
Single Shear Wave for high angle scan radiused to suit.
*Crystal Size: 15mmø*

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

**SCNR** Single Crystal Track
Network Rail Approved Version
Single Crystal 0° Normal Beam
*Crystal Size: 15mmø*

**TCNR** Twin Crystal Track
Network Rail Approved Version
Twin Crystal 0° Normal Beam
*Crystal Size: 10mmø*

**LSSTNR** Available angle 45°
Network Rail Approved Version Single Shear Wave for high angle scan.
*Crystal Size: 15mmø*
Ultrasonic Probes for Axle Testing

Manufactured to give improved performance, ALL our Rail Axle probes are manufactured to the highest standard and come with a Calibration Certification & Calibration 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 better predict a probe replacement date.

**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.**

- **TCBR** 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 Crystal Probes**

- **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

**Compression Wave Probes**

- **SCLP** Miniature Low Profile with Integral Cable BNC Connector

  **Single Crystal** 10mmø

- **SCBR20** Small Type (SP43)

- **SCBR20** Large Type (SP45)

  **Single Crystal** 20mmø

- **WL/W5** Delay Wedges to suit

  **TC10**

  **Twin Crystal** 10mmø

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

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