CP120B & Go-Scan 1510 XR

Best portable solution to reach Class B (ISO17636-2) with small thicknesses

Equipment

Generator

CP120B

Focal spot: 0,8 mm

Detector

Go-Scan 1510 XR

Resolution: 49,5 µm

FFD: 300 mm

Quick guide

- Check the reference and the marks of the parts to be checked.
- Visual examination (Note surface defects)
- Acquisition of images & saving
- Check the image quality
  - Check the grey levels in the different zones as well as the normalized signal to noise ratio move the 20x55pixel zone (min to obtain see standard)
  - Check the spatial resolution (IQI duplex)
  - Check the IQI wires visible after activating the Teledyne filter
- Note the indications present on the image & (compare them to the ASTM reference images (2422 for molded parts))
- Note the position of the indications on the map - Photo of the part.
- Complete the test report.
- Store the tested part in the part area awaiting sanction.

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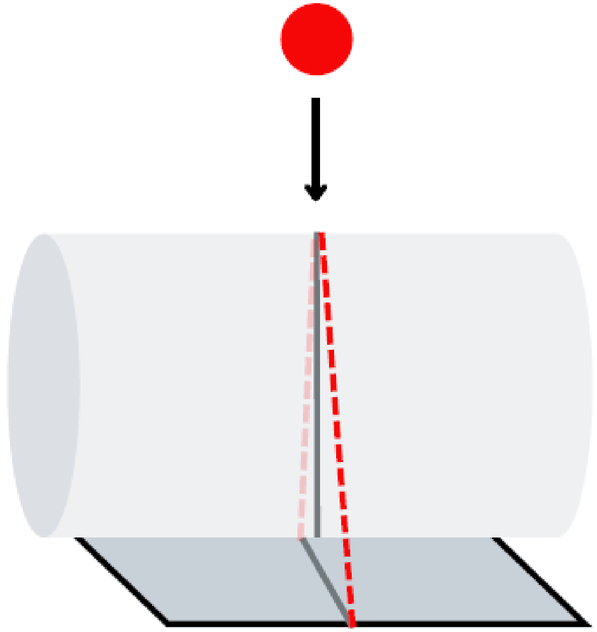
Technique & material

Superimposed technique



Steel pipe:

- 50 mm (OD)
- Single wall thickness: 1,5 mm

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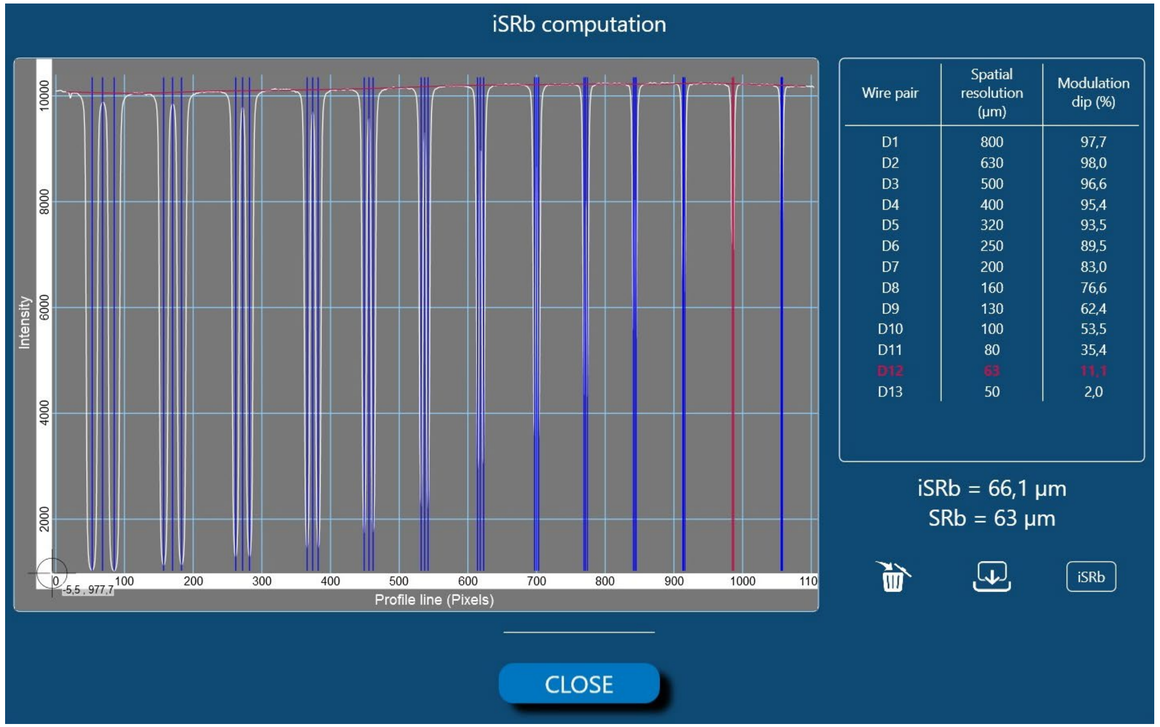

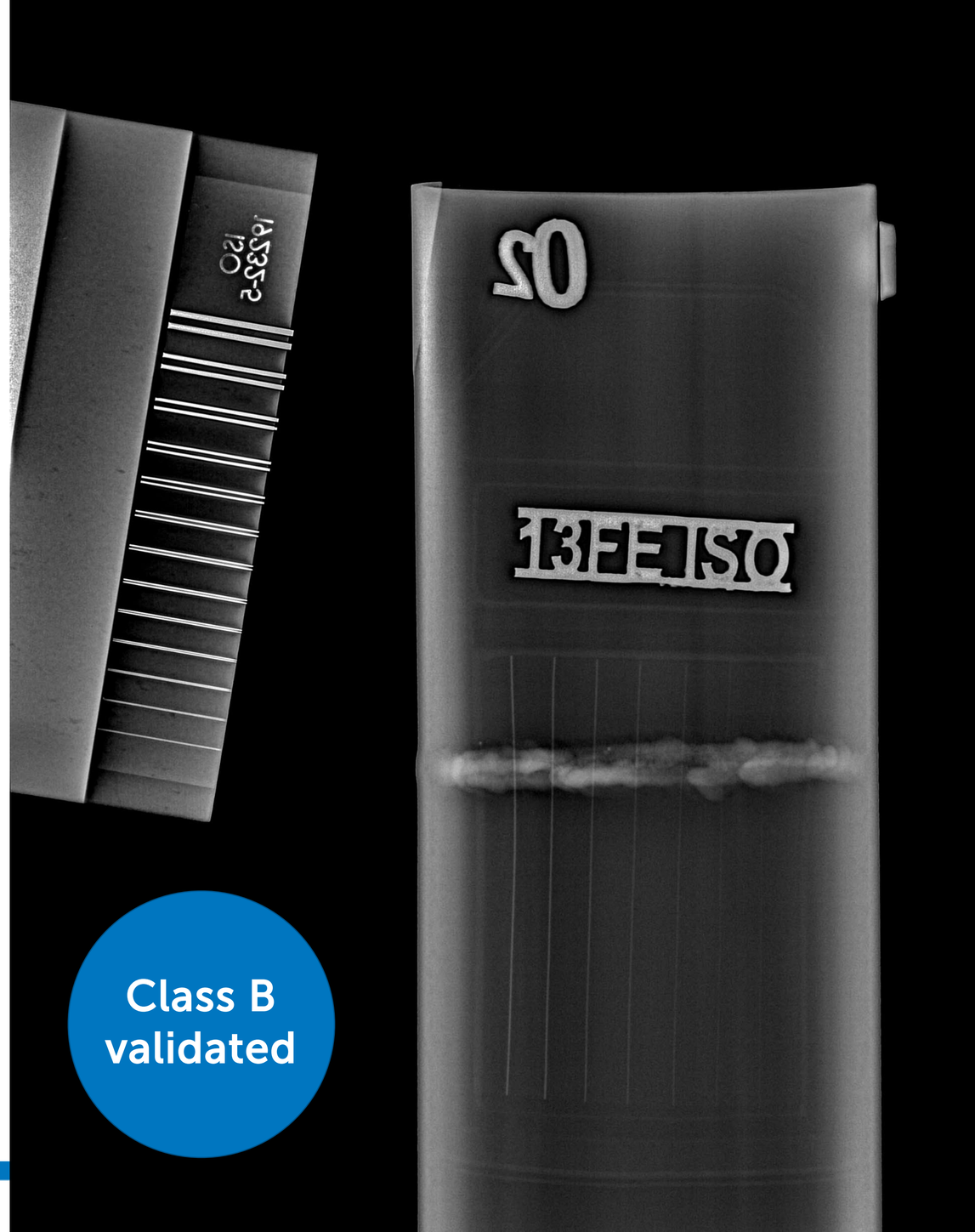

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Class B (ISO 17636-2)

Required:
- SRb of 50 µm (D13)
- W17 visible
- SNR : 168*

Achieved:
- SRb of 63 µm (D12)
- W18 visible
- SNR : 353

✓ Class B validated thanks to the compensation principles.

*Requested SNR for class B between 50 & 150 kV is 120 (+40% in HAZ)