Rotoflux® AC

Flux Leakage Tester for Detecting Defects in Hot Rolled Black Bar
Superior Technology & Performance

The Best Technology to Detect Surface Defects in
Hot Rolled Black Steel Bar

Clear Defect Signals with Minimum Noise

- Wireless signal transfer minimizes noise while maximizing sensitivity.
- Detect longitudinal flaws as small as 0.1mm deep on hot rolled bars and rods.
- Provides full quadrature detection to preserve phase selectability, choice of all phase and chord gates, similar to conventional eddy current tester.
- Probe screen with sensitivity and phase adjustment for each individual channel.
- New C-Scan combines all channels and clearly displays the defect location on the surface of the test piece, in relation to its circumferential and longitudinal position.
- 2 surface ride Probe Arrays consisting of 8 elements each cover 160mm per rotation.
- Operates up to 1500 rpm, depending on product diameter.
- Throughput speed of 4m/s (800 FPM) with larger diameters requiring slower FPM.
- Models designed to test hot rolled bar from 15mm to 180mm in diameter.

Convenient Adjustments for Size Changes & Access

- A simple adjusting tool allows quick resetting for dimensional changes.
- Rotating the adjusting tool clockwise or counter clockwise automatically positions the probes further apart or closer together.
- A convenient scale on the headplate indicates the set diameter.
- Triple guide roll assemblies on incoming and outgoing sides swing open to allow easy access.

Screen display of 0.23mm, 0.2mm, 0.15mm, and 0.10mm (0.009”, 0.008”, 0.006” and 0.004”) deep defects.

www.mac-ndt.com