

Material Validation

UT/Eddy Current/XRF Analyzer/Laser Marking

In order to certify the identity and integrity of each and every precision bar product manufactured by Boston Centerless, we have in-house capabilities for material testing. Our equipment can test for internal defects, surface defects, alloy verification and can perform laser marking of bars. These testing services can be provided as a single operation or in combination based on customer requirements.

Ultrasonic Testing (UT)

- Size Range: Round bar from approximately .180" diameter to a maximum of 1.000 +0" diameter
- UT test standards including AMS-STD-215 Class A and Class AA
- Detects internal defects to within approximately 1mm of the surface
- Automated re-direct of rejected bars to a separate collection bed

Eddy Current Testing

- Detects surface defects in bar products
- Adheres to ASTM E309, 571, E426, 576 (OD Solid Bar) test standards

XRF Alloy Verification Analyzer

- X-Ray analysis to detect non-conforming chemistry
- Pass/fail test for alloy verification
- Automatic identification and capture of rejected bars

Laser Line Marking

- Diameter Range: .090" dia. to 3" dia.
- Standard Font Height: 1mm to 1.5mm. Custom fonts available.
- Laser marking typically applied to the drop-end of the bar
 - Can be used as Lot Retain Sample for material traceability



Certifications:
ISO 9001, AS9100,
ISO 13485

Nadcap Accredited
ASNT NDT Level III

