

Echomac[®] PA BT System

For Full Body Inspection of Bar for Defects

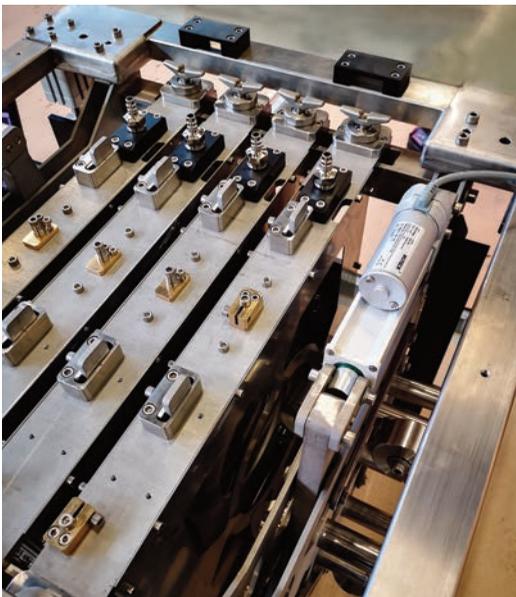


Echomac® PA BT Phased Array System

The new Echomac® PA BT ultrasonic test system allows producers to handle a much larger range of bar diameters in a single installation.

PA BT Features Ensure Minimal Operator Adjustments

- ❑ 100% inspection of round bars for core and surface defects.
- ❑ Operate at speeds up to 2m/sec., depending on the specific application.
- ❑ Floating head adapts for small variations in the bar straightness.
- ❑ Electronically focused, steered, and scanned transducer beam requires no operator adjustment.
- ❑ Signals are digitized before they are transmitted to the evaluation computer resulting in optimized signals, superior defect detection and fewer false indications.
- ❑ Operator friendly graphic interface.
- ❑ No additional manual operations needed after initial setups are stored.
- ❑ 3 size models are offered:
small: 10 - 75mm; medium: 20 - 130mm
large: 50 - 254mm
- ❑ Triple Guide Roll self-centering units, located in the waterbox, position the transducer probes normal with respect to the test material.
- ❑ Off-line calibration mechanism for calibrating the system with reference standards is available as an option.



Transducer cassettes installed in the waterbox

Change UT Transducer Cassettes for Different Sizes in under 5 Minutes.

The Echomac PA BT's exchangeable transducer cassette system allows quick, easy, size changes. To replace a set of transducer cassettes for a different size, simply lift up the cassettes from the water box (see photo at left) and replace with ones for the new size when needed. Up to 4 cassettes can be installed in the water box and accessed electronically for use.

Optimize test probe alignment with respect to the bar by using the convenient positioning knobs located on the top of the cassettes.

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