

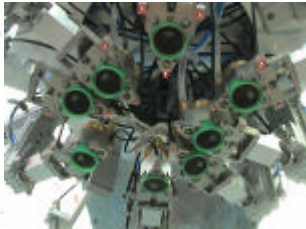
ERW – SAW Ultrasonic Testing Probes

probes for SAW pipes inspection

The probe is accurately fixed in the mechanical head, which includes the probe holder and the irrigation system. Each probe is designed for a particular ultrasonic test of pipe :

Weld examination

- ultrasonic probes generates 60° shear waves in steel
- same probes used for longitudinal, transversal examination and coupling check
- high sensitivity for defect detection



Weld probes

Strip edge lamination examination

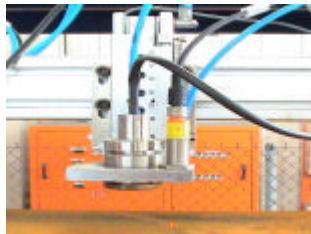
- single crystal probe – paintbrush type
- excellent near surface resolution
- large surface covered by one probe



Strip edge probes

Body lamination examination

- dual crystal probe
- model for a large range of thickness
- high sensitivity of lamination detection



Body SAW probes

ERW probes

This probe has been specially designed for flaw and lamination testing on welded pipes and tubes. A multipoint irrigation system provides local coupling that ensures easiness of mounting and adjustment. Their reliability and performance have already been proven on many occasions.

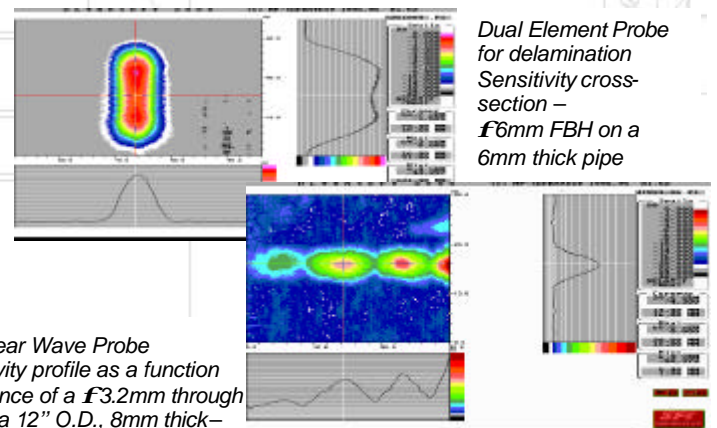


ERW Mill probes

Flaw testing probes are designed to generate 45° Shear waves in steel, this is in order to work in pulse echo mode with a minimum of parasitic echoes.

For lamination testing, each probe uses two transducers constructed within a single housing. This technique provides advantages over classical transducers :

- Excellent near resolution power
- Excellent small flaw sensitivity
- Few surface wave generated
- Dead zone almost nil



Simplicity - Adaptability

The test head is composed by the mill probe mounted on a mechanical suspension. This allows to

compensate exactly tube or pipe movement and vibration. Besides, the probes are easy of mounting. That eliminates costly change-over down time.