

FlexoFORM SYSTEM



Key Features

- Quickly measure wall thickness of elbows and bends
- 100% bend coverage for high probability of detection
- High-resolution data (1 mm x 1 mm)
- Produces a C-Scan image of the scanned area
- No need to mark out and grid an area for spot readings

Pipe elbows pose a unique challenge for evaluation. Because their surface shape changes extrados to intrados curves, and because many diameter standards exist, evaluation was limited to doing spot check thickness measurements using probes with small foot-prints. This system integrates flexible ultrasonic phased array probe technology and a water column in a scanner that is easy to use and offers high productivity.



Can also be used for longitudinal scanning on sections of pipe that may not be accessible with an AUT C-Scan unit.

The FlexoFORM scanner is used with an OmniScan® system to acquire and save data and measure different types of anomalies such as remaining wall thickness, corrosion pitting, and mid-wall lamination or inclusions. The high-density data combined with the multiple views available directly in the flaw detector or through OmniPC™ make data interpretation faster and easier. Because the entire surface of the elbow is covered, the FlexoFORM solution is less dependent on the operator and provides an improved probability of detection as compared to simple spot checking.

