



ESLINKSCANNER

Semi-Automated Pipe Weld Solution

The LinkScanner is a link-based pipe scanner designed for zonal, sectorial, linear and TOFD scanning. This encoded scanner is the ideal solution for the inspection of girth welds and pipe-to-fitting applications. The components have been designed to provide the most consistent axial positioning of any manual scanning system, making it ideal for zonal discrimination. The scanner's compact design allows it to operate in areas with restricted access where traditional pipeline scanners are impractical.

Rationale

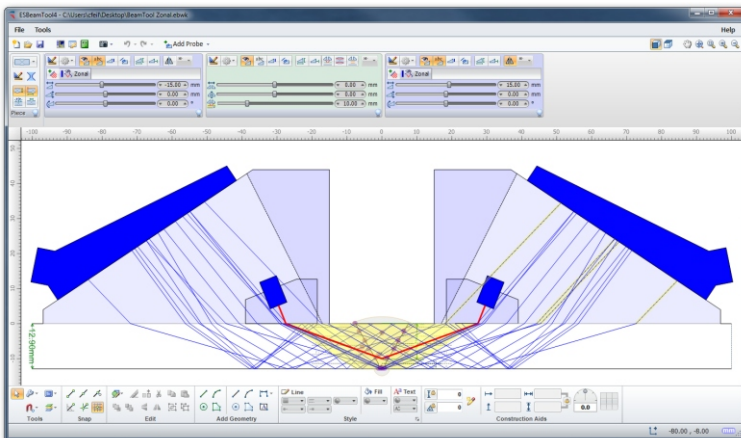
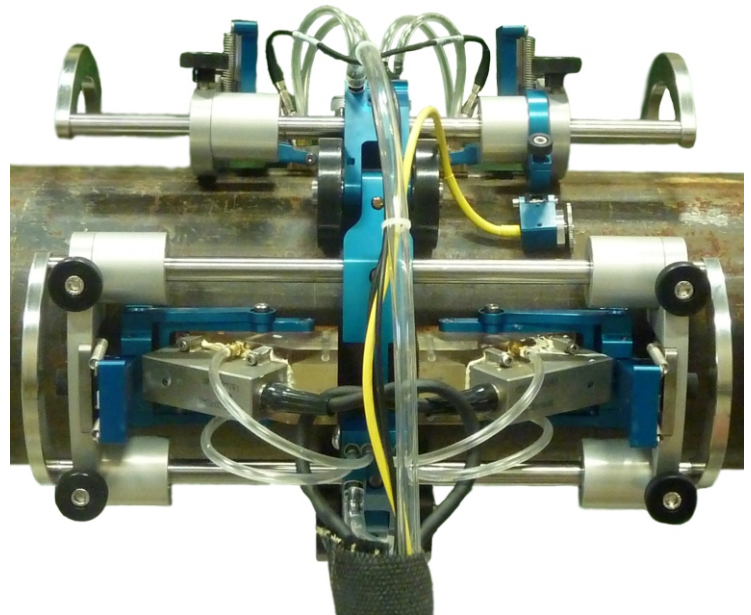
The LinkScanner was developed to target applications where access is challenging, for example when inspecting different pipe-to-fitting configurations such as elbow or flange welds. An additional goal was to minimize cutback of the protective coatings applied to pipe to reduce inspection time and costs.

Benefits

The LinkScanner utilizes a quick release linking system that can be easily and quickly adjusted to attach to various pipe sizes. Its lightweight and compact design allows for easy transportation to remote job sites and requires only one operator. The encoded scanner is designed to track accurately enabling zonal discrimination weld scanning.

Options

Eclipse Scientific offers two software solutions for your pipe inspection requirements: ESBeamTool with the Zonal Add-on allows you to easily design and simulate an inspection and generates comprehensive documentation of your inspection technique, while ESInspectionBank provides effective process management and secure control of scan data, from acquisition to analysis and reporting.



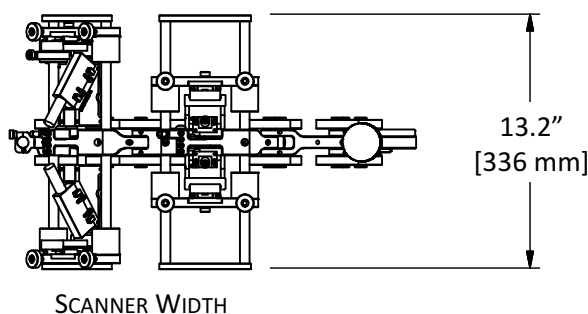
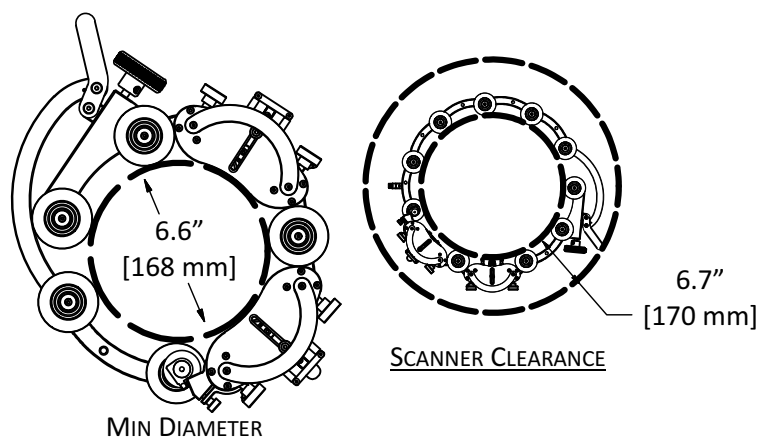
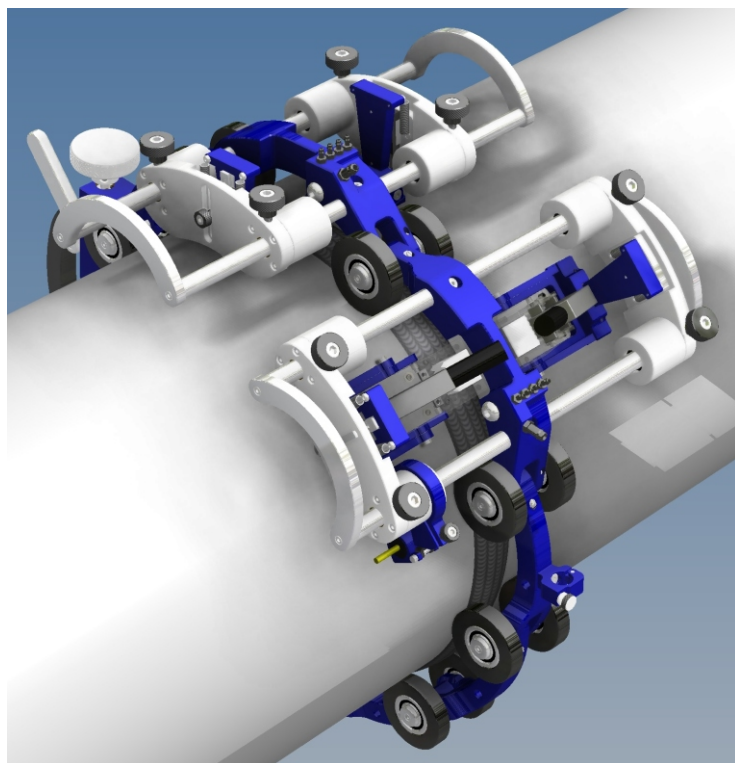
- Zonal, Sectorial, Linear and TOFD
- Quick and simple installation
- Requires less coating cutback

Specifications

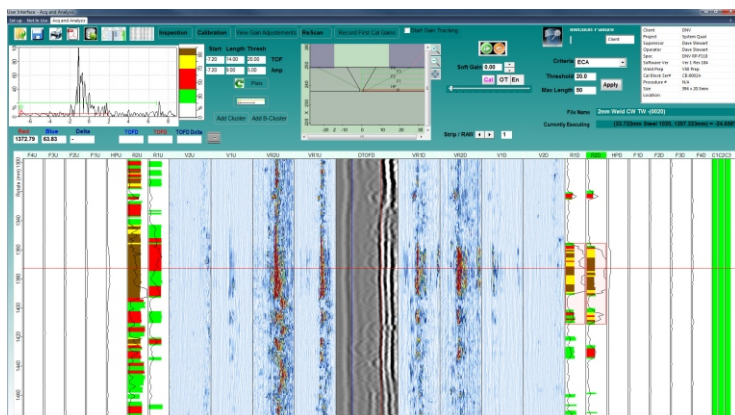
The encoded scanner straddles the pipe with transducers on each side of the weld. The solution design ensures accurate tracking with minimized index drift. This allows for more accurate and repeatable inspections for acquiring quality data and monitoring known defects. The LinkScanner requires a minimal amount of clearance to operate and can be adjusted to fit pipe from 6" to 24" (152mm - 610mm). Additional links are available.

Standard Package

- 2x Double Probe Holder Link
- 2x PA wedge holding modules
- 2x TOFD wedge holding modules
- 3x Extra Long Link
- 2x Long Link
- 1x Short Link
- 1x Link Tensioner
- 1x ES Wheel Encoder
- 1x Encoder to Instrument Adaptor Cable
- 1x 5m Umbilical with couplant hose, and wedge tubing with "Y" connector
- 1x Tool Kit



Zonal Discrimination with TOFD



Sectorial Scanning

