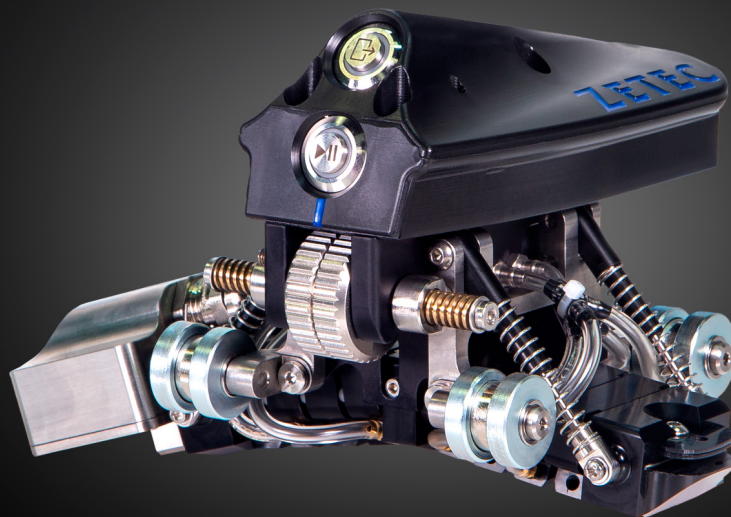


# ElbowFlex™

Easy, Versatile, and Fast Scanner for Pipe Elbows



**Eddyfi Technologies**

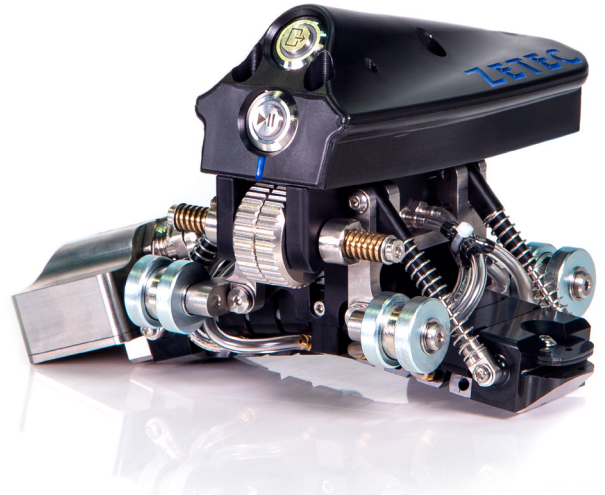
Delivering the **Zetec** Inspection Advantage

# RAPIDLY DETECT DEFECTS HIDDEN IN PIPE ELBOWS

The ElbowFlex scanner is the perfect tool for quick, manual ultrasonic inspections of pipe elbows. It is ideal for detecting and measuring different types of flaws including corrosion pitting, mid-wall lamination and remaining wall thickness.

The highly versatile ElbowFlex scanner can scan on both the straight and elbow parts of a pipe. It is designed so that one flexible phased array probe can inspect pipes and elbows from 100 mm (4 in) to flat.

Featuring simple button operation, magnetic wheels, and an aqualene membrane, the ElbowFlex scanner is easy to use and saves time while providing 100% coverage confidence.



## Quick and easy

One flexible Phased Array (PA) probe for the entire pipe range: one probe can adapt to the scanned specimen dimension and stay concentric throughout the inspection, saving time.

C-scan imaging for easy and fast analysis: encoded data can be easily interpreted using UltraVision Touch software.

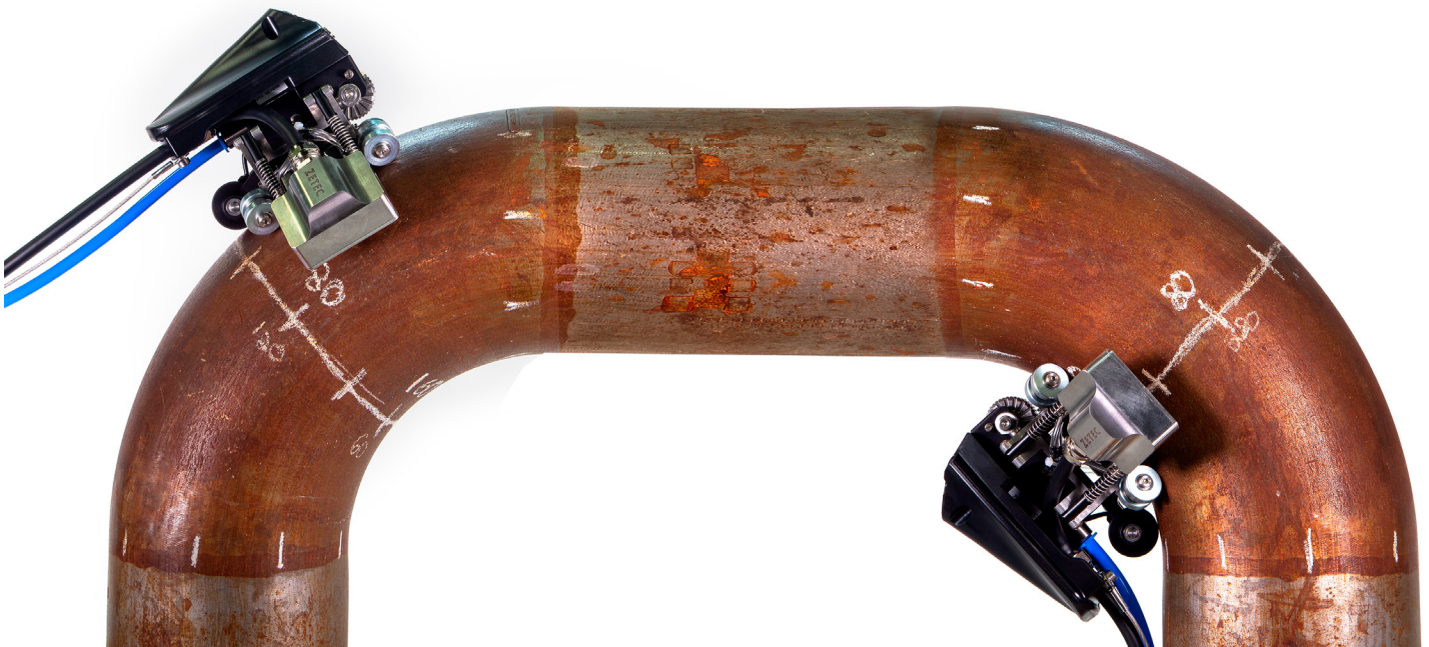
Magnetic wheels: help the operator keep the scanner in place while following the scan lines for quick and complete coverage.

## Highly versatile

Aqualene membrane: An aqualene membrane is used for coupling in lieu of the traditional water chamber, reducing water needs to only a thin film on the specimen surface.

The scanner can work with standard coupling gel or a mixture of water and gel as the couplant.

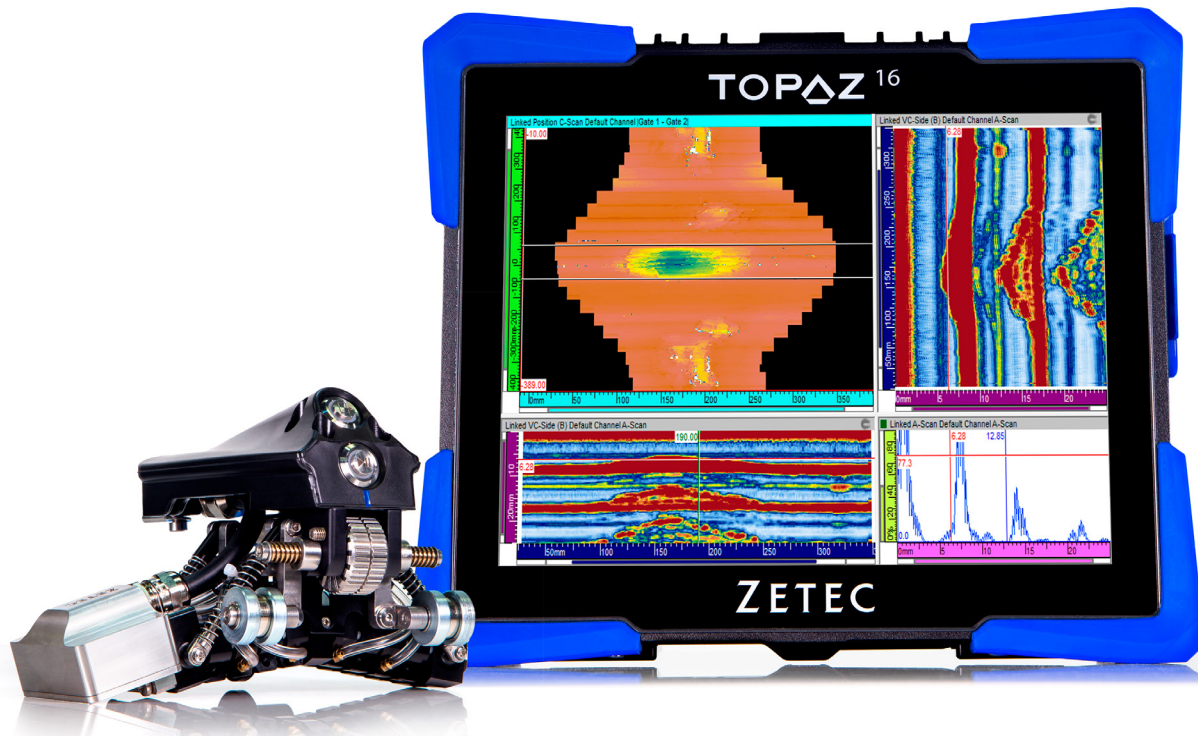
When combined with any TOPAZ family instrument, data can be saved at a high resolution.



# SPECIFICATIONS

## INSTRUMENT

Dimensions (h x l x w)		Maximum 78 x 137 x 102 mm (3.1 x 5.4 x 4.0 in)
Weight		600g (1.3lbs)
Inspection Surface		Any steel surface
Inspection Surface Curvature		100 mm (4 in) NPS (115 mm/4.5 in) to flat
Probe	Type	Flexible
	Elements	64
	MHz	7
	Pitch	1 mm
	Elevation	7 mm
	Connector	ZPAC or IPEX
Encoder	Type	Quadrature
	Resolution	14.17
Umbilical Length		5 m (16.5 ft)
Operating Temperature		0°C (32°F) to 45°C (110°F)
Maximum Inspection Surface Temperature		40°C (104°F)
IP Rating		IP66



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