

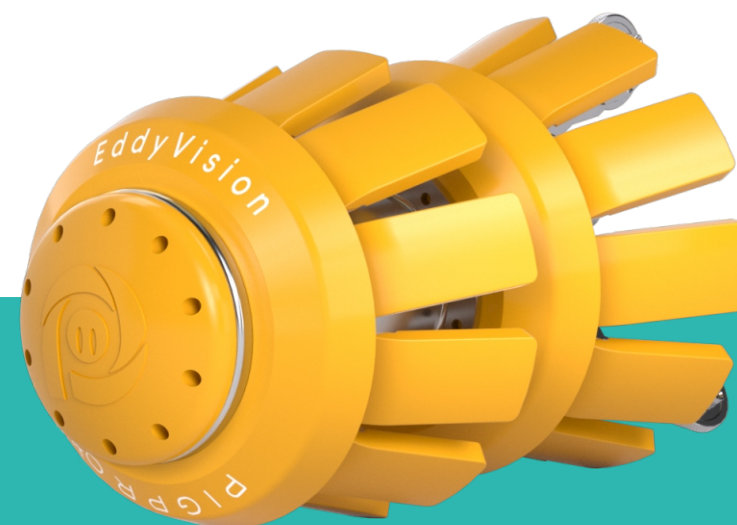


PIGPROX

BETTER PIGPROX BETTER SOLUTION

EddyVision Intelligent Pig

Up To 100 Sensors (8")
Higher-Resolution Sizing and Imaging



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EddyVision Overview

PIGPROX EddyVision Intelligent Pig is a high-resolution eddy current ILI tool developed on the proven EddyFlex platform. Building on 400+ successful EddyFlex pipelines, it features a high-definition sensor array with five times more sensors (8" tool), delivering higher resolution inspection and more detailed defect characterization.

By combining physics-based modeling with intelligent data analytics, EddyVision provides accurate defect sizing and full cross-sectional visualization for advanced pipeline integrity management.



PIGPRO[×] EddyVision Intelligent Pig

Features & Benefits

01 Higher resolution with defect visualization

Featuring 5 times more sensors & ≤2 mm circumferential sensor spacing than EddyFlex, EddyVision provides higher-resolution inspection and full cross-sectional defect visualization.

02 Compact and lightweight design

Passes through 1.5D bends, 10% bore restrictions, and 20% OD single dents with minimal risk of tool stuck.

03 Flexible launching and receiving

Compatible with standard PIG traps, PIG valves, short spools, temporary launchers, and other launching and receiving facilities.

04 Wide operating speed range

With startup differential pressure as low as 0.1 MPa (14.5 psi), EddyVision supports online inspection at operating speeds from 0.1 m/s to 8 m/s (0.33 – 26.25 ft/s) without shutdown.

05 Applicable to conductive pipelines

Applicable to carbon steel, stainless steel, alloy steel, bimetallic composite pipes, and other conductive pipeline materials.

Technical Specifications & Sizing Accuracy

Item	PIGPROX EddyVision Intelligent Pig
Size Range	6" to 56"
Tool Size	Length: 0.27 – 1.5 m (0.89 – 4.92 ft); Weight: 6.2 – 500 kg (13.67 – 1,102.31 lb)
Probe Configuration (8")	100 sensors; Circumferential sensor spacing ≤2 mm
Applicable Medium	Oil, natural gas, hydrogen, and chemical products; Customization required for special media
Applicable Materials	Carbon steel, stainless steel, alloy steel, bimetallic composite pipes, and other conductive materials
Compatible PIG Trap	Standard PIG traps, PIG valve, short spool, temporary launcher&receiver
Bend Passability	≥ 1.5D
Deformation Passability	≤20% OD single-dent deformation
Startup Differential Pressure	≥0.1 MPa (≥ 14.5 psi)
Operating Speed	0.1 – 8 m/s (0.33 – 26.25 ft/s)
Operating Temperature	–20 to 80 (–4 to 176); Customization available for higher temperature ranges
Operating Pressure	≤10 MPa (≤ 1,450 psi); Customization available for pressures above 10 MPa
Feature Identification Capability	Girth welds, tees, bends, valves, flanges, branch connections, etc.
Defect Detection Capability	Internal surface cracks, pinholes, internal metal loss, dents, wrinkles, and weld anomalies

Sizing Accuracy	POD = 90 %	
Internal Defect Detection Threshold	90 %Certainty	1.0mm
Internal Defect Report Threshold		10mm
Depth sizing accuracy		± 1.3mm
Length sizing accuracy		± 10mm
Width sizing accuracy		± 15mm
Axial positioning accuracy (from adjacent girth weld)		± 0.1m
Circumferential positioning accuracy		± 5°