

Technical
Specifications

SPYNE

Speed. PoD. Efficiency.

An ultrafast, one-of-a-kind alternative to PT/MT, featuring a circumferential encoder.

FEATURES

- Gyroscopic circumferential encoding
- Full raster scan and comb scan capability
- Ergonomic handles with acquisition control buttons
- Embedded and detachable spring-loaded encoder
- Compatible with Reddy® or Ectane® (128 channels)
- Use on high-temperature surfaces (up to 150°C/302°F)
- Faster, less operator-dependent than PT/MT
- Compatible with a wide variety of flexible-PCB probes, coils, and topologies

BENEFITS

- Scan speed up to 600mm/s (24in/s)
- 200mm (8in) coverage in a single pass
- Infinite adjustments, from 150mm (6in) OD pipes to flat surfaces
- Repeatable and reliable results
- Minimal surface preparation required; no need to remove the coating
- Pre-calibrated in factory. Tool for calibration check provided.
- Assisted detection and on-the-spot screening report with Magnifi®
- Combined with SIMS PRO ECA for accurate mapping and standardized reporting

Spyne™, an adaptable surface Eddy Current Array (ECA) screening tool, is specifically engineered to maximize productivity for the detection of Stress Corrosion Cracking (SCC), cracks, subsurface defects, and pitting in various critical components such as high-pressure gas pipes, vessels, tanks, pipelines and more. With a higher PoD than MPI/PT and with its ultrafast capabilities, it paves the way to unprecedented efficiency.



SPECIFICATIONS

PERFORMANCE	
Coverage	200mm (8in)
Number of channels required	128
Outer diameter range	150mm (6in) OD to flat surfaces
Smallest detectable defects	As small as 2mm (0.080in) L × 1mm (0.040in) D
Maximum measurable crack depths	No depth sizing
Scan speed	Up to 600mm/s (24in/s) *With full data recording
Lift-off tolerance	Up to 3mm (0.120in) *Non-conductive coatings and paints
Materials	All pipeline alloys (carbon steel, duplex, stainless steel, etc.)
Encoder	Axial (spring-loaded wheel)
	Circumferential (gyroscope)



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Eddyfi Technologies
Beyond current