



Technical  
Specifications

# NDT SWEEPER

## Manual 2D encoded ultrasonic scanner

NDT Sweeper™ is a highly versatile manual 2D encoded scanner that is the perfect tool for quick Ultrasonic Testing (UT) examinations.

### STAY AHEAD OF THE CURVE OR FLAT SURFACES

Thanks to its small, lightweight, and ergonomic design, NDT Sweeper can easily scan in many difficult-to-reach areas eliminating the need to deploy an automatic scanner in those situations. Unlike wheel probes, both axes are encoded so there is no need to draw an index line on the specimen when scanning.

### HIGHLY VERSATILE TOOL

- Perfectly suited for long seam weld inspection on flat specimen or pipe, and for corrosion mapping
- Easy to deploy and able to encode in raster scan across long distances, providing C-scan mapping of large composite parts
- Quick and efficient solution for the assessment of damaged or freshly repaired carbon-fiber-reinforced polymer, or CFRP, surfaces

NDT Sweeper can virtually replace multiple specialized scanners due to its ability to scan both flat and curved surfaces. It's ideal for various applications including long seam weld inspections and corrosion mapping.



## INNOVATIVE DESIGN

- Two integrated encoders; 2D scanning precision
- Non-marring wheels with integrated magnets; safe to use on composite, easy to use on steel
- Brake that locks the location of the scanner at the desired position
- Individual probe suspension that can be fixed axially or laterally
- Can support up to two Phased Array (PA) probes at the same time; compatible with most phased array wedges



Figure 1: TOPAZ<sup>®</sup>64 paired with the NDT Sweeper.



Figure 1: NDT Sweeper for weld inspection.

# SPECIFICATIONS

## SCANNER

Dimensions (h x l x w)	70 x 144 x 146mm (2.75 x 5.67 x 5.75in) without probe
Weight	1.2kg (2.7lb)
Pipe range, circumferential	100mm (4in) NPS (115mm/4.5in) to flat
Pipe range, longitudinal	100mm (4in) NPS (115mm/4.5in) to flat
Radial clearance	48mm (1.9 in) on a 100mm (4in) NPS pipe; 70mm (2.8in) on plane surface
Probe holding capacity	2 phased array probes with option
PA probe holder minimum wedge width	15.6mm (0.61in)
PA probe holder maximum wedge width	75.6mm (2.98in)
Umbilical length	3m (10ft)
Operating temperature	-20°C (-4°F) to 50°C (122°F)
Environmental sealing	Designed for IP68

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