

NDT Sweeper™ Scanner

Manual 2D Encoded Scanner Designed for Both Flat and Curved Surfaces

NDT Sweeper is a highly versatile manual 2D encoded scanner that is the perfect tool for quick Ultrasonic Testing (UT) examinations. NDT Sweeper can virtually replace multiple specialized scanners as a result of its ability to scan both on flat and curved surfaces. It's ideal for a range of applications including long seam weld inspections and corrosion mapping. 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.

Features & Benefits

► 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 & efficient solution for the assessment of damaged or freshly repaired CFRP surfaces

► 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



Specifications

Parameter	Value
General	
Pipe Range, Circumferential	4" NPS (4.5") to flat
Pipe Range, Longitudinal	4" NPS (4.5") to flat
Radial Clearance	48mm (1.9") on a 4" NPS pipe 70mm (2.8") on plane surface
Probe Holding Capacity	2 phased array probes with option
PA Probe Holder Minimum Wedge Width	15.6mm (0.61")
PA Probe Holder Maximum Wedge Width	75.6mm (2.98")
Umbilical Length	3m (10')
Inspection Surface	Any surface
Size & Weight	
Cart Height	70mm (2.75")
Cart Width	146mm (5.75")
Cart Length	144mm (without probe) (5.67")
Cart Weight	1.2kg (2.7lbs)
Environmental Specification	
Operating Environment	-20°C (-4°F) to 50°C (122°F)
Environmental Sealing	Submersible

Ordering Info

Part Number	Short Description	Detailed Description
10059025	ZGN-SCN-SWEEPER	NDT SWEEPER is a 2D manual scanner designed with poly wheels for easy movement in the scan and index direction. Its dialog encoder provides automatic encoder information programming within Ultra Vision Touch. The NDT SWEEPER features 1 individual probe suspension that can be fixed axially or laterally for versatility
10059026	ZGN-SCN-SWEEPER-FORK	Dedicated fork assembly for the NDT SWEEPER to support wedge with a footprint of 60 mm x 60 mm
10059027	ZGN-SCN-SWEEPER-EXT KIT	Dedicated mechanical extension kit including extrusion bar and kit of screws - For NDT SWEEPER
10059028	ZGN-SCN-SWEEPER-ENC CBL	NDT SWEEPER - Encoder Cable compatible with ZIRCON/TOPAZ

For more information about the NDT Sweeper scanner or other Zetec products, contact your local Zetec representative, email us at info@zetec.com or visit www.zetec.com



Zetec holds ISO 9001 and ISO/IEC 17025 certifications



Zetec, Inc.
8226 Bracken Pl. SE | Suite 100
Snoqualmie, WA 98065
Toll Free: 800.643.1771
P: 425.974.2700