

NEW
PRODUCT
PREVIEW

NAVIC

Modular Motorized Scanner



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Manual and Motorized
Scanners for NDT

The Navic is a motorized scanning system designed to translate probes in weld scanning applications. The remote operated, steerable scanning platform is capable of circumferential scans from 70mm (2 3/4") minimum OD to flat surfaces. Its joystick-controlled steering allows for smooth and accurate weld tracking.

Features

- **Low Profile Design:** The Navic requires a radial clearance of 70mm (2.75") on pipes under 200mm (8") OD and 81.5 mm (3.2") on pipes over 200mm (8") OD, which allows for inspection in limited access applications.
- **Magnetic Wheels:** Using rare-earth magnetic wheels, the Navic can operate on vertical, horizontal, and inverted surfaces.
- **Steerable Operation:** The Navic's joystick controlled steering allows for smooth and accurate weld tracking on pipes, tanks, and vessels.
- **Scan Versatility:** The Navic can facilitate circumferential scans on pipes as small as 70mm (2-3/4") OD and 610mm (24") ID. Scanning of flat surfaces is also possible.
- **Environmental Sealing:** Extensive use of re-sealable o-ring gaskets and seals protect against penetration of contaminants into the unit.

Specifications

- **Driving Speed:** Variable 0 - 254 mm/sec (0 - 10 in/sec)
- **Supply Power:** 85 - 264VAC 45 - 65 Hz 1 phase
- **Crawler Dimensions:** Length=8.3" Height=3.2" (4.9" with handles) Width=10.00"
- **Crawler Weight:** 7.7kg (17.0lbs)
- **System Voltage:** 36VDC
- **Environmental Sealing:** NEMA 4, IP65
- **Motor Type:** Brushless Servo, integral feedback



Front Mount Probe Holders



Integrated Cable Management



Low Profile Circumferential Scan



Circumferential Scan, With Handles