

NDX SCANNER

ADVANCED ACCURACY. SEAMLESS ROTATION.



PRECISION SCANNING FOR STEAM & MUD DRUMS

The NDX Near Drum Scanner is a high-precision ultrasonic tool designed for steam and mud drum inspections. With continuous revolution scanning, high positional accuracy, and an integrated couplant delivery system, it ensures detailed, high-resolution data acquisition. Its lightweight, rugged construction and intuitive setup make it ideal for demanding industrial environments.



SCAN HERE
FOR MORE INFO

NDX NEAR DRUM

PRECISION SCANNING. CONTINUOUS ROTATION.

The NDX Near Drum Scanner delivers high-precision, continuous revolution scanning for steam and mud drum inspections. It features real-time monitoring, high-torque servo motors, and magnetic stabilization for accurate, repeatable results. The integrated couplant system ensures reliable signal transmission, while toolless adjustments allow for quick setup. Designed for harsh environments, its lightweight, sealed construction provides durability and ease of use in critical industrial applications.

TECHNICAL INFORMATION

SPECIFICATIONS

Rotational Axis

Speed	260 rpm
Motion Mode	Continuous Rotation
Encoder Resolution	57,600 cta/rev (160 cta/deg)
Max Scan Length	6 in. (150 mm)
Tube ID Range	1.49 - 3.31 in. (37.7 – 84 mm)
Magnetic Pull Force	80 lb Straight Pull (36 kg)
Transducer	Single Element 7.5 or 10 MHz

Scanner

Weight	11 lb (5 kg)
Dimensions	20 in L x 5 in Dia. (508 mm x 127 mm)
Motors	High-Performance RE Servo Motors
Control Mode	Closed Loop
Encoder Resolution	0.010 in (0.25 mm)
Standard Cable Length	55 ft. (16.76 m)
Couplant Pump	Gear Driven Adjustable Flow

Linear Axis

Actuator	High-Efficiency Ball Screw
Speed	10 in/sec (254 mm/sec)
Encoder Resolution	25,400 cta/in (1000 cta/mm)

FEATURES

- ✓ **Continuous Revolution Scanning:** Delivers high-resolution, uninterrupted inspections.
- ✓ **High Positional Accuracy:** Precision scanning with real-time monitoring via Analyst™ NDX software.
- ✓ **Integrated Couplant System:** Ensures consistent signal transmission in any orientation.
- ✓ **Magnetic Stabilization:** Secure attachment with four magnetic pole stabilizers.
- ✓ **Toolless Adjustments:** Quick setup with adjustable wheel angles for various radii.
- ✓ **Durable, Lightweight Design :** Environmentally sealed for long-term reliability.