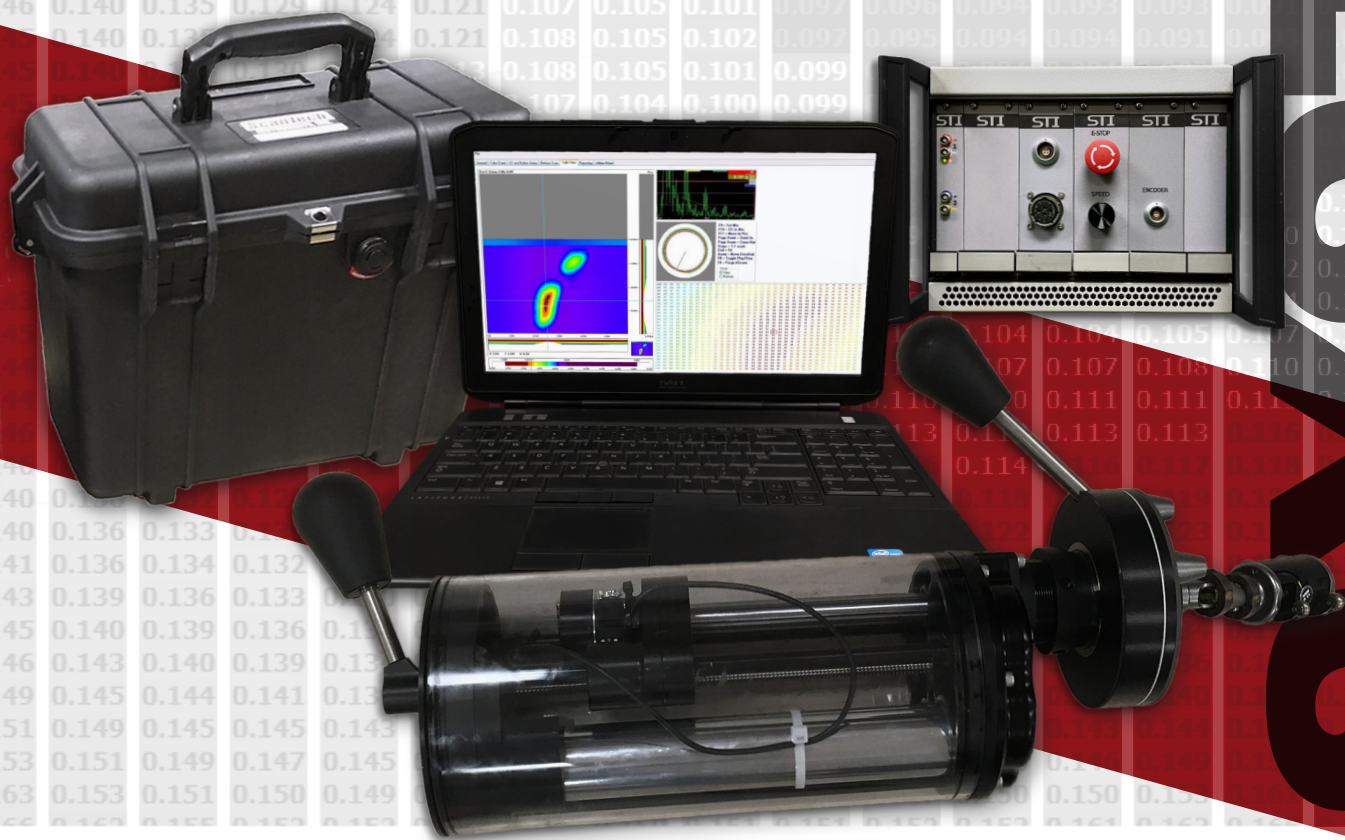


Analyst™ NDX SYSTEM

ULTRASONIC DRUM INSPECTION SYSTEM



COMPLETE INSPECTION SOLUTION FOR STEAM & MUD DRUMS

The NDX System is a comprehensive ultrasonic inspection solution designed for steam and mud drum assessments. Combining the NDX Scanner, X Controller, and Analyst™ NDX Software, it delivers high-resolution, real-time scanning with continuous revolution motion. The integrated couplant delivery system, high-torque servo motors, and proprietary low-EMI drives ensure precise, repeatable results in demanding industrial environments.

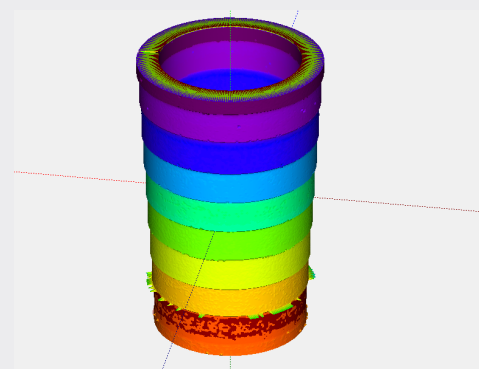


SCAN HERE
FOR MORE INFO

NDX SYSTEM

AUTOMATION FOR DRUM INSPECTIONS

The NDX System delivers fully automated ultrasonic scanning for steam and mud drums, ensuring high-resolution, real-time monitoring with continuous revolution scanning. The NDX Scanner, STC X Controller, and Analyst™ NDX Software work together for precise motion control, seamless data acquisition, and automated reporting. With an integrated couplant system, magnetic stabilization, and durable sealed design, the NDX System ensures reliable, repeatable results in demanding industrial environments.



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)

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)

SYSTEM INCLUDES

- NDX Scanner System
- X Controller/UT Instrument
- Analyst™ NDX Software
- Main Cable Assembly
- Rugged Transport Case (x3)
- Small Probe Head
- WS3 Couplant Delivery System
- Tool Kit
- Spare Parts Kit
- Notebook PC and Case

ADDITIONAL OPTIONS

- Probe Head Sizes
 - Medium 1.77 - 2.14 in
 - Large 2.22 - 2.63 in
 - Extra Large 2.80 - 3.30 in
- BPS Battery Pack
- Calibration Tube (1.8", 2.1", and 2.5" I.D.)