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X2 Spider

Most Capable and Rugged Magnetic Crawler Available



The X2 Spider is a 3rd generation remote scanner capable of ultrasonic corrosion inspection for tanks, pipes and vessels. The parts are machined from billet 6061 Aluminum and 303 stainless steel with strategic cavities for weight reduction. This combination provides a durable yet agile crawler. The X2 is a highly maneuverable system and is capable of traversing difficult obstructions made possible by the high suspension compliance. It is designed with a proprietary direct drive gear set and does not use any belts, chains, set screws, or clamps, which eliminates slippage.

The unit is completely sealed from the environment and has a hard coat anodized exterior to reduce environmental wear on the system. The scanner utilizes rare earth motors with the highest power density available to provide a high-performing crawler. Single and dual element transducers are included in the system to adjust for variable conditions. Each scanner is manufactured in-house and is rigorously tested, so you can trust that the scanner you receive is of the highest quality.

System Features:

- > **Capability:** Includes a sealed positional encoder for B-scan acquisition
- > **Accessibility:** Capable of navigating obstructions up to 2" high with all wheels contacting the surface.
- > **Automation:** Analyst™ X Software provides automated data acquisition, analysis, and reporting.
- > **Adaptability:** Can be paired with the D2S software to inspect paper machine dryer rolls.

Industry Solutions for Ultrasonic Automation

NDT Supply.com, Inc.

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Specifications

Height	5 in (127 mm)
Length	11 in (279 mm)
Width	16.25 in (413 mm)
Weight	19 lbs (8.6 kg)
Magnetic Pull Force	60 lbs/wheel 240 lbs total (1066 N)
Cable Length	100 ft (30.5 m)
Speed (Under Full Load)	10 in/s (330 mm/s)
Tractive Pull	109 lbs (484 N)
Wheel Base	4.75 in (127 mm)
Obstacle Clearance	1.25 in (32 mm) with incline <45°
Suspension Conformity	All wheels contact with 2 in (51 mm) elevation of one wheel
Power Requirements	90-240 VAC or 12-24 VDC Battery Option
Operating Voltage	29 VDC, 5VDC encoder
Joystick Control	50ft (15 m) cable
Water System Power	AC or Battery Option

Package Contents

- X2 Spider Scanner
- X Controller/UT Instrument
- Analyst X™ software
- Main Cable Assembly, 100 ft. (30 m)
- Rugged Transport Case (x3)
- Joystick Assembly (X-Series)
- Joystick Cable 50 ft (15 m)
- 2.25, 5, or 10 MHz single element or 5 MHz dual element transducer
- WS3 Couplant Delivery System
- Tool kit
- Spare parts kit
- Notebook PC and Case
- ACR Dual Bubbler Assembly
- Coaxial Cable



Additional Options

- BPS Battery Pack
- Single/dual element transducers
- Extended joystick cable (100 ft.)
- Custom cable lengths
- Analyst™ D2S paper machine dryer inspection
- Full automation compatible controller



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