



FEATURES

- Designed for single and multi-channel X-Y scan
- Single and multi-channel flaw and corrosion mapping
- Multi-channel interleaving corrosion and thickness mapping
- Rugged design for tough environments
- High resolution scanner
- Minimum pipe diameter 4"
- Magnetic wheels for easy setup
- Optional tracks and pipe holders for non-magnetic surfaces
- User specified arm length
- Optional coupling kit
- Optional extension cable up to 200'

DESCRIPTION

The AUTO-Scanner is a motorized inspection scanner for X-Y and C-scan mapping. With the help of the UltraScan 5 ultrasonic inspection system, it can be used to inspect flat surfaces and pipes automatically. The diameter of the pipe can be as small as 4 inches. The magnetic wheels are ideal for quick setup on ferrous surfaces. Our optional scanner tracks can be used to inspect non-magnetic materials by using four suction cups to attach to the test material. The optional pipe holders ensure that the scanner wheels remain on the pipe at all times.

The X-axis scan arm can be easily replaced by a TOFD scan arm, enabling the AUTO-Scanner to function as a TOFD scanner. The UltraScan 5 inspection system can detect the scanner type and set the appropriate settings automatically. With the UltraScan 5 software, the user can control the scan speed, manual adjustment speed, scan area, and scan resolution. Manual adjustments can be made easily with the UltraScan 5 software by holding the shift key and pressing the arrow keys.

Other accessories include extension cables and coupling kits. The coupling kits consist of a water compressor bottle, tubing, a Y-connector, and a flow-control valve. The 100-foot and 200-foot extension cables are built with differential line drivers and receivers in order to ensure the long cable works well and without data loss.

The UltraScan 5 system includes a portable computer that contains a pulser/receiver and high speed analog to digital converter card. For multi-channel applications it may contain one or more multi-channel boards. The single channel software includes TOFD inspection, flaw mapping of the X-axis, flaw mapping of the Y-axis, and thickness mapping. The multi-channel software includes all four types of the inspections plus an Interleaving option for thickness mapping. The system detects pitting, corrosion, laminations, and cracks in the tested materials. It also generates a complete report of the inspection.

SPECIFICATIONS

<p>Scan Resolution</p> <p>X Axis: 0.00006429" (0.0016329 mm)</p> <p>Y Axis: 0.0049" (0.12446 mm)</p> <p>X Arm Length 12" (310 mm) 24" (620 mm) 36" (930 mm) or specified by customer</p>	<p>Pipe Diameter >=4" (100 mm)</p> <p>TOFD Arm Length 12" and 24"</p> <p>Options Coupling kit Pipe holder Track with suction cups 100' extension cable 200' extension cable</p>
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