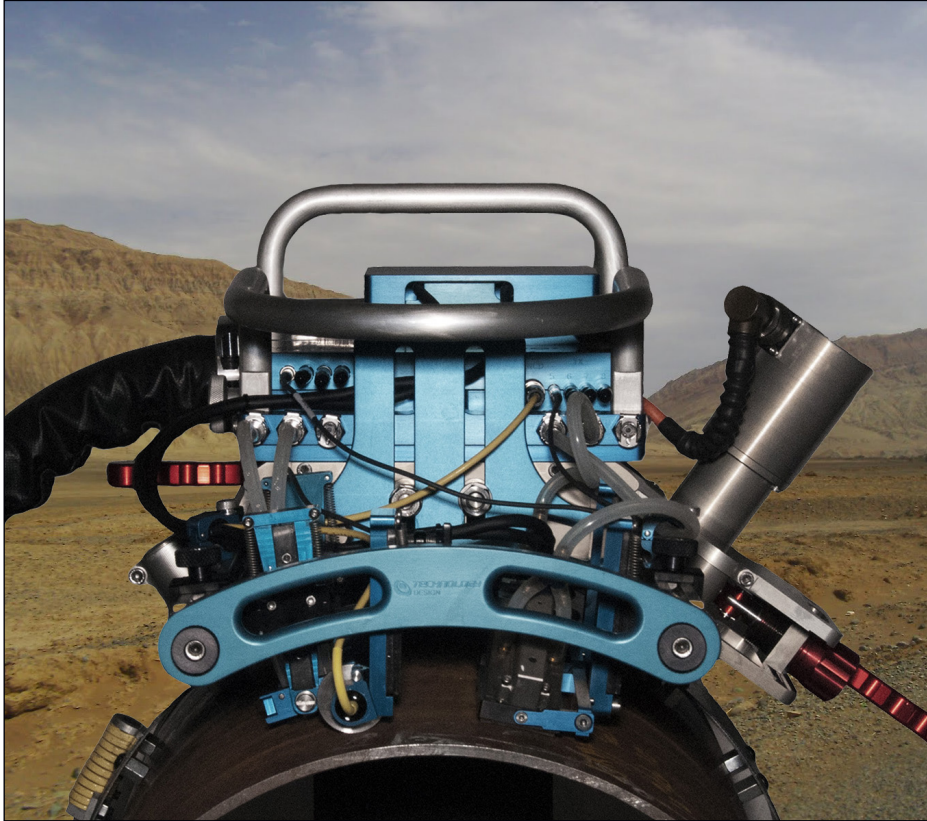




TD Pipe-Runner • Multi-Function Ultrasonic Inspection Systems



TD Pipe-Runner

The TD Pipe-Runner is an automated Ultrasonic Phased Array Pipeline Girth Weld Inspection System with both Phased Array and conventional multichannel capability. Developed in co-operation with major, well established NDE inspection companies around the world and in response to a more cost effective instrument.

Configuration

- Up to 128/32 elements.
- 16 Pulse Echo channels.
- 2 x 60 element Phased Array probes.
- 2 x ToFD Probes.
- No thickness limit.
- Single Pass.
- 6" to flat surface.
- 4 & 6 probe frame.
- On-Board Automated Drive Control

Compliance

The system complies with API 1104, DNV 2000 FS101, ASTM E1961, EN1712, plus any additional requirement from the customer.

TD Pipe-Runner Technical Specification

Ultrasonics and Drive System

Ultrasonic Processing	AGR TD Focus-Scan®, 128/16/16
Motor Drive Control	AGR TD Focus-Scan® onboard motor control.
Software	AGR TD-Scan Advanced Ultrasonic Software - StripScan.

General

No. of Probes	4, 6
Min Pipe Ø	6inch
Umbilical	Removable, rugged sheath – individual cable can be removed or added.

Pipe Bands

Band	CRC-Evans® Vermaat Technics®
Band size	Outside Diameter range: 12" (324 mm) to flat. Width range: 80mm (4 1/8") to 130mm (5"). For less than 12", use 12" band with diameter stand-offs.

Size, Weight & Environmental

Dimensions	53.5 x 43.5 x 25cm (21" x 17" x 9.5").
Radial Clearance	26cm (10") from pipe band surface.
Umbilical Length	15m (50ft) - Standard.
Weight	11.5kg (25lbs).
Payload	27kg (60lbs) - includes attachments and umbilical.
Scan Speed	0 - 76mm/sec (0-3 in/sec).
Working Environment	Dry or wet (splash proof).
Temperature Range	-20°C (-4°F) to 40° (104°F).

Standard Probes/Wedges

Phased Array

Probes	7.5MHz, 60 Element
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ToFD

Probes	10MHz, 3mm or 7.5 MHz, 3mm 8MHz, 3mm
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Wedges	60° or 70°
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