



AIS Advance Integrity Solutions, Inc.

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 cooperation with major, well established NDE inspection companies around the world and in response to a more cost-effective instrument.





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TD FOCUS SCAN



The TD Pipe-Runner utilises the latest AGR technology, the TD Focus Scan





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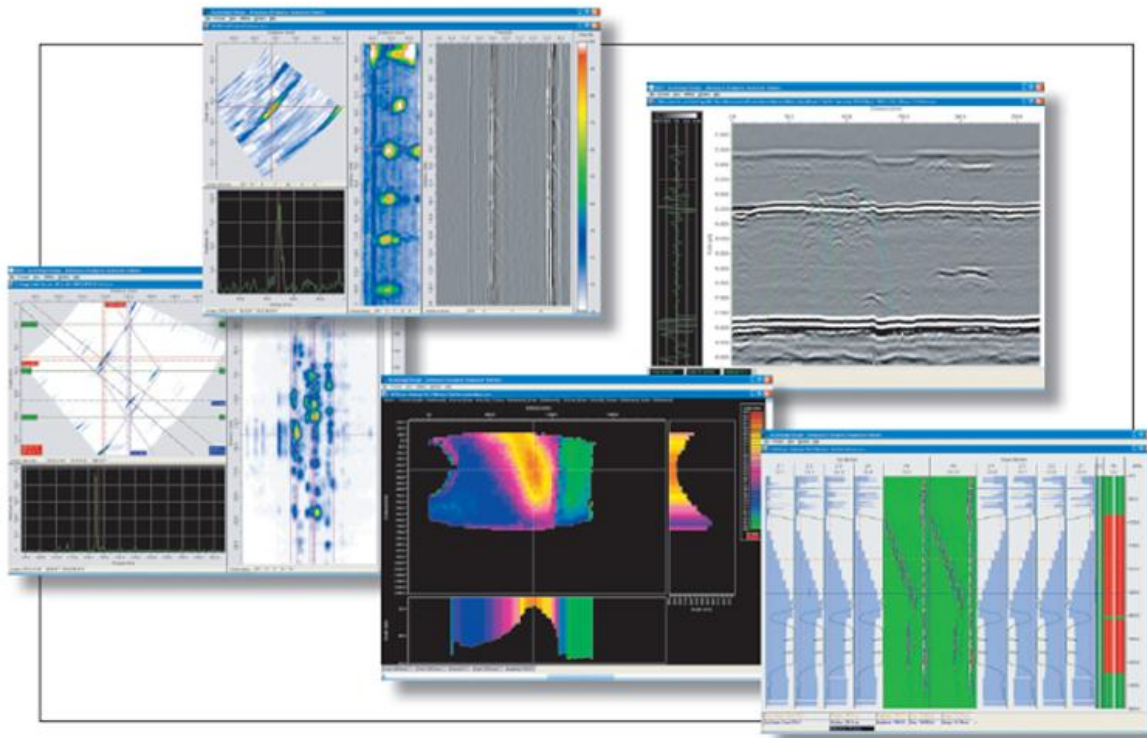
Configuration

- Up to 128 elements
- Up to 64 element active aperture (128/64).
- 2 x 64 Element Phased Array probes.
- 16 Pulse-echo channels simultaneously.
- No thickness limit.
- Single pass.



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TD Advanced Ultrasonic Software



making tomorrow better





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System

The Electronics integrated with the computer, keyboard, mouse, a very sturdy/flexible umbilical cable, with Phased Array probes and TOFD/Conventional channels, along with a motorized or hand scanner/waterproof encoder, make it the most compact and flexible system available in the market today.

The reduced size of the electronics, teamed with the battery / electric power modes makes it very convenient for use, both onshore and offshore .

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



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Onshore Projects

The TD Pipe-Runner can be used for main line inspection, where high production rates are required and tie-ins & special sections.

Main Line Inspection

The acquisition unit maybe integrated into a vehicle. The operator is then able to move from weld to weld, process and analyze data immediately, before moving to the next weld.

All this can be achieved in an inspection cycle time of less than 5 minutes, thereby saving valuable office time after the inspection shift is completed.



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Field Inspection





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For Tie-Ins /Special Sections

The TD Pipe-Runner is excellent for areas where welds are inaccessible by vehicle. The acquisition unit can be disconnected from the mains power supply and hand carried to the weld location. The unit maybe run on its internal battery or alternatively connected via a TD Power Box energy inverter to a separate 12 volt vehicle battery.

Scans can then be performed, and equipment returned to the vehicle upon completion





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Field Inspection





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For Offshore Projects

Its reduced size is a plus, considering that the lay barges have reduced office / inspection space, and every square meter is important.

Its electronic, mechanical and software features make it an ideal instrument for offshore projects, since it complies with DNV OS F 101 and ASTM 1961 codes.





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Umbilical Cable

It is flexible, water resistant and can be opened for maintenance, probe and cable replacement, making it a lot less expensive to repair / replace than its competitors in the market.





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Scanner

The scanner has been developed with the help and support of research companies, with more than 15 years of experience in pipeline inspection, consulting and development.

Circumferential movement of the TD Pipe-Runner maybe integrated with the internal motion control, electronics and software of the acquisition unit.

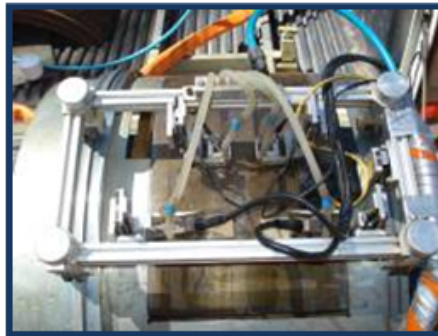
Motion and data acquisition, maybe controlled remotely by an operator, using the remote on/off switch, located on the scanning vehicle.





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TD Pipe-Runner Scanner





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