



Tecnitest NDT



CETA S

www.tecnitestNDT.com

UT WALL CRAWLER FOR THICKNESS MEASUREMENT



MAIN DESCRIPTION

CETA S is one of the latest generation of storage tank wall crawlers supplied by Tecnitest Ingenieros S.L.

The system is suitable for scanning walls of large storage tanks, using Ultrasonic inspection to map the thickness profile of the tank wall from the outside using for that a control box to remotely control the crawler. The system can therefore meet the requirements of API 653. The CETA S, has the ability to move over riveted plates that can be encountered in various sites around the world.

Furthermore, the design is such that it can be manoeuvred around other obstacles easily using the controller.

CLIENT BENEFITS

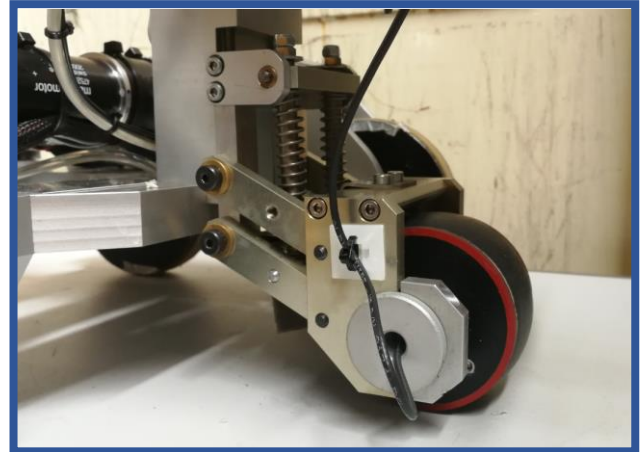
- Reliable automated inspection of storage tank walls for corrosion degradation
- Software functionality gives thickness readings every 1 mm throughout the inspection
- Software performs automatic data capture and positioning
- Complete Scan 'A' scans are automatically stored in a database for recording and re-call.
- Outstanding maneuverability at speeds of up to 200mm/s
- Independent drives on each main wheel

THE UNIT CAN PASS OVER COMMON WELDINGS DUE TO THE MAGNETS SYSTEM



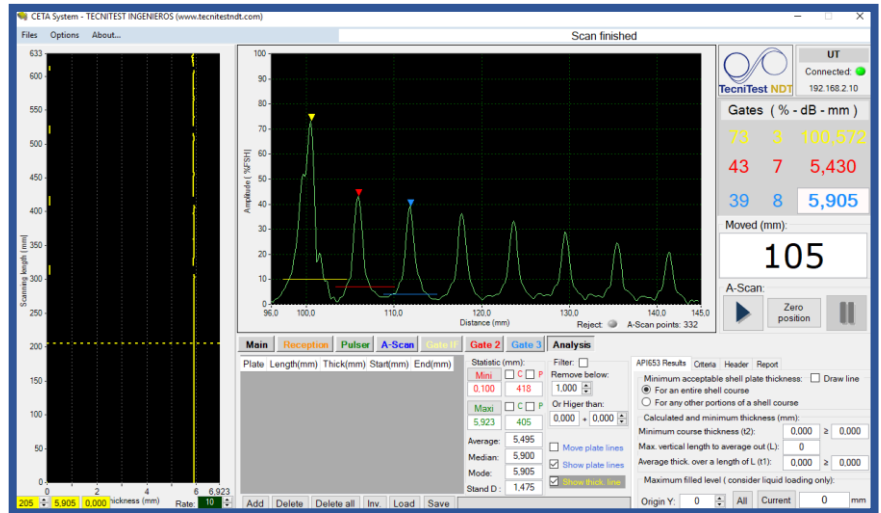
TRANSDUCER OPTIONS

The CETA S operates with a single crystal wheel probe transducer having a frequency of 5 or 10 MHz's The wheel probe is virtually dry contact, there is a water reservoir on the carriage, which feeds a sponge, to dampen the wheel as it moves over the inspection area. A Multi-element Transducer is also available with up to 6 probes in a larger wheel.



SOFTWARE OPTIONS

The data acquisition system measures the thicknesses every 1 mm with accurate control position and measurement accuracy better than 0.1 mm. The real time display shows the A-Scan data with either the thickness or amplitude scans in the B-Scan window (switchable). All A-scans are stored for future analysis and a B Scan thickness and amplitude presentations can be provided from the A scan data. Post scanning data processing is available with a full suite of post processing tools including adjustment and addition of gates.



According to API-653, specifications of the storage tanks can be included, to calculate minimum acceptable thickness and maximum allowable tank capacity.

CHARACTERISTICS

ITEM	DESCRIPTION
Technique	UT pulse-echo
Probe	Single probe or multi-element
Frequency	5 MHz's – 10 MHz's
Maximum height	25 meter is a standard. Longer cables can be supplied
Power supply	24 VDC 12A (internal and external Battery)
Software	Based on Windows 10 64 bits

Find Tecnitest NDT using the following QR code

