



# CETA 2

## UT WALL CRAWLER FOR THICKNESS MEASUREMENT



### INTRODUCTION

CETA 2 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.

The all new CETA 2 combines all the functionality of a flaw detector together a laptop for data collection and a control box to remotely control the crawler. The system can therefore meet the requirements of API 653.

The new design, like the old CETA 2, 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.**
- **The system has the flexibility to use either a single element dry coupled transducer or a dry coupled array with up to 6 transducers.**
- **Outstanding maneuverability at speeds of up to 200mm/s**
- **Independent drives on each main wheel**

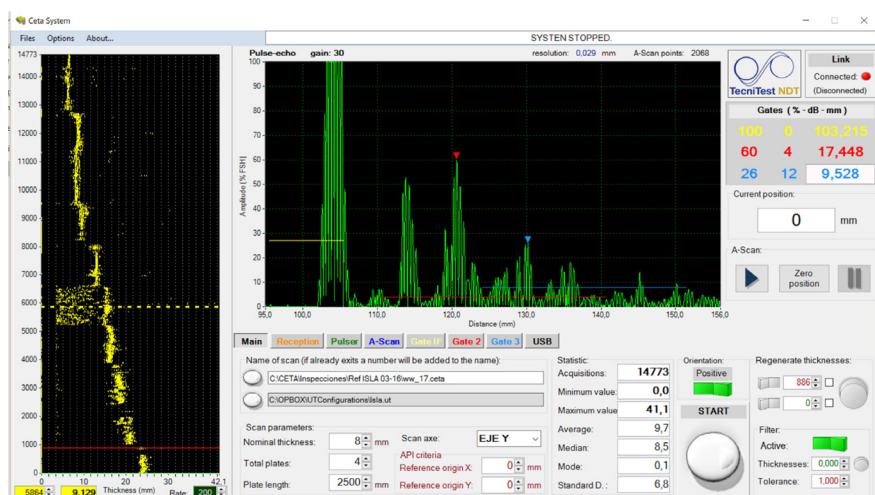
**THE ONLY UNIT THAT WILL PASS OVER HEAVILY RIVETED PLATES**

## TRANSDUCER OPTIONS

CETA 2: Operates with a single crystal wheel probe transducer having a frequency of 5 or 10 MHz. 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.

## CETA 2 GENERAL CHARACTERISTICS

Item	CETA 2	
	Weight (kgs)	Dimensions (cm) L x W x H
Crawler	15	57 x 29 x 20
Cable	5	25 metres
Console	11	55 x 45 x 22
Battery	11	28 x 23 x 15
Transport Box	6	60 x 45 x 42
Power Supplies	Battery Pack 24 VDC 12 A Supplied (Option: 220VAC 5Amp 50/60 Hz)	
Cable Option	25 metres is the standard cable length, longer cables can be supplied.	

For full Specification and details please visit [www.tecnitestNDT.com](http://www.tecnitestNDT.com)