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See the future

SIUI

Smartor

Ultrasonic Flaw Detector & Thickness Gauge

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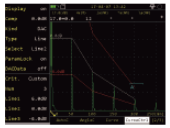
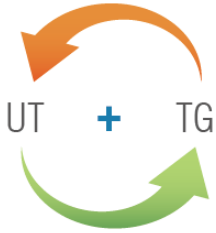

Version 1: UT

Version 2: TG



- ***One-hand Operation***
- ***Smart Test Wizard***
- ***Weld Simulation***
- ***Advanced Conventional UT & Thickness Measurement***

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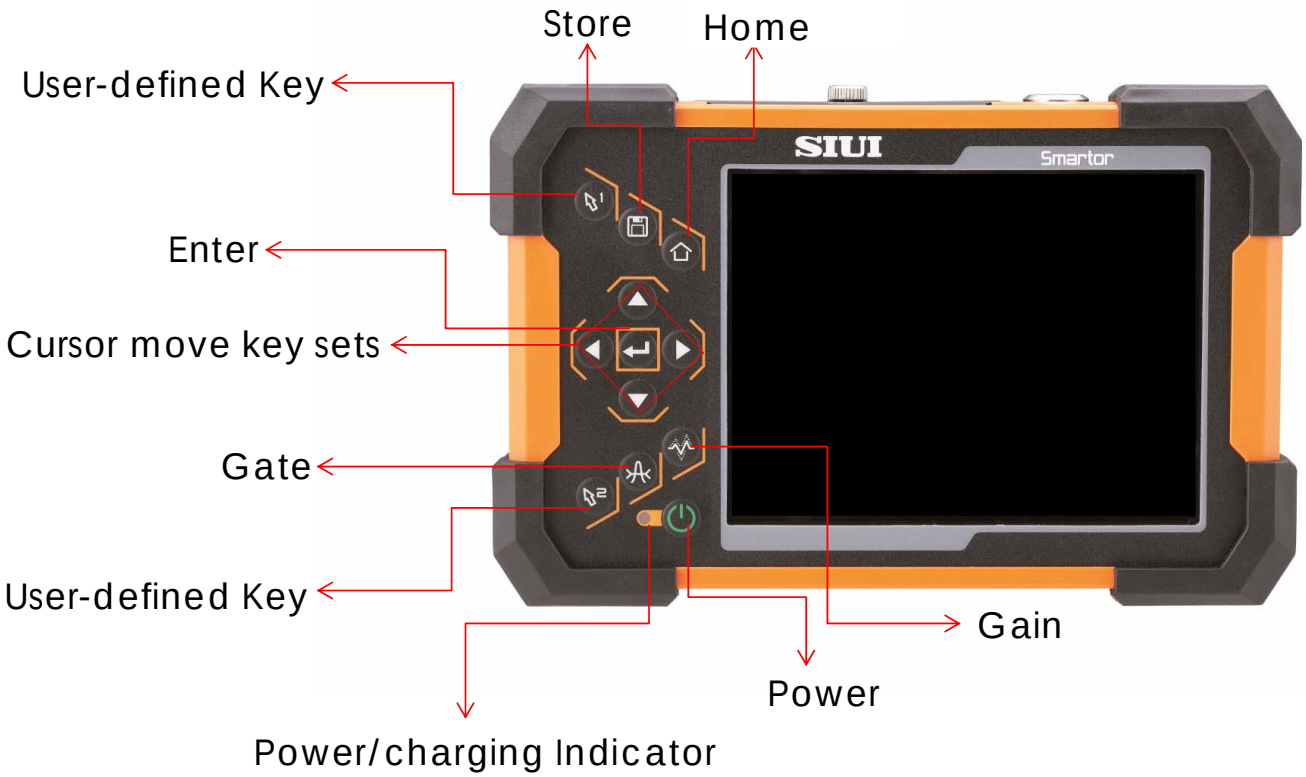
Overview of Smartor unit



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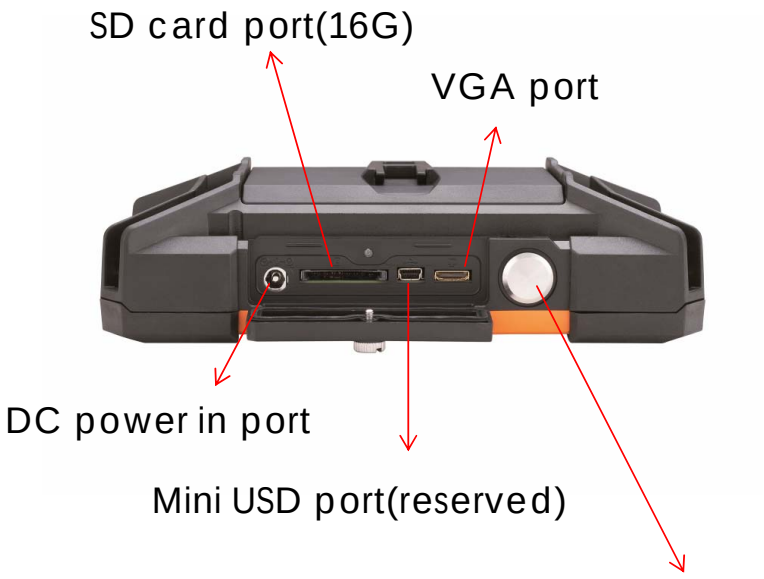
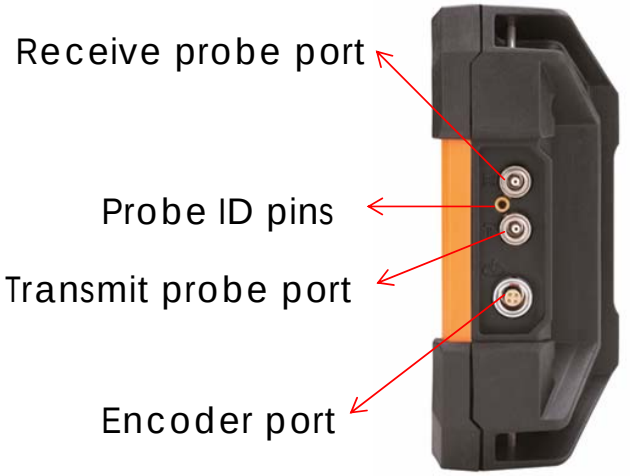
Overview of Smartor unit





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Conventional UT

Test Wizard

Setup wizard will help users configure the professional operation process, enabling more professional testing.

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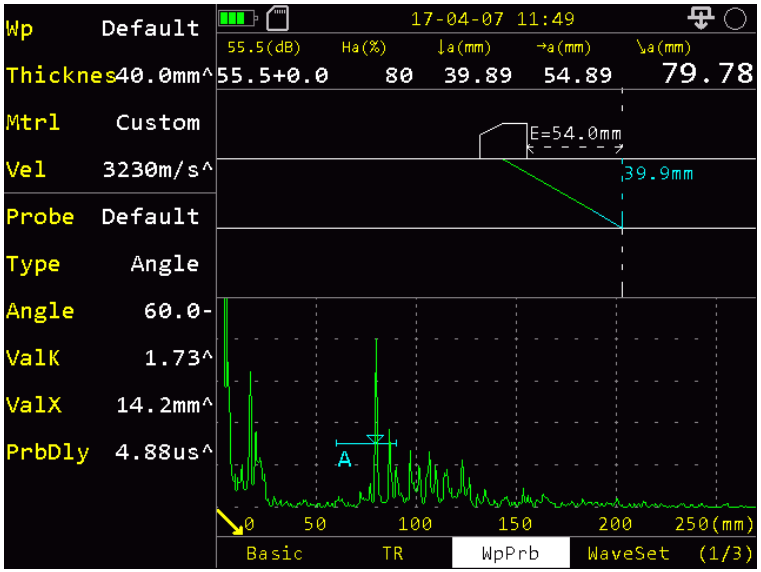
Weld Simulation



Simulate the weld shape and use the dynamic beam tracking function to assist the user to quickly determine the location of flaws in the weld.

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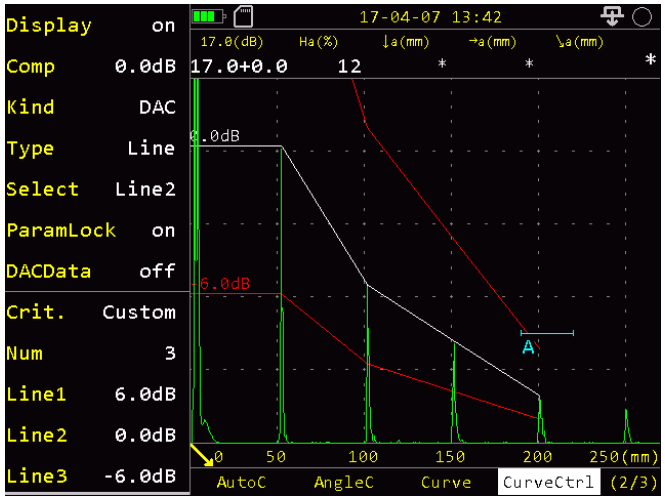
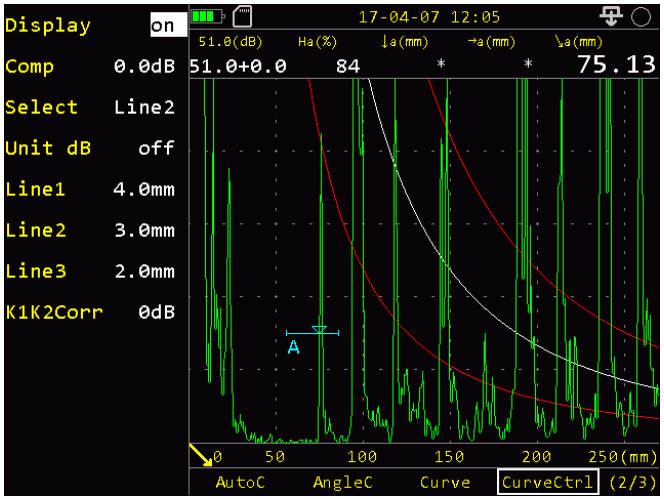
DAC Curve



Bring easier and more convenient flaw evaluation.

AVG/DGS Curve



Auto created by taking a known flat-bottom hole or large flat-bottom echo for reference.

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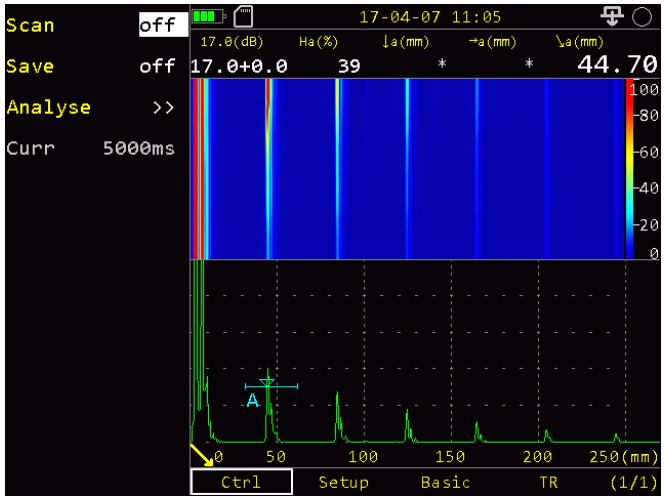
B scan



Display A-scan echo in imaging mode, so as to achieve more intuitive test result for easy observation and analysis.

Probe Spectral Analysis

The probe waveform, spectrum and center frequency of the probe can be measured precisely by capturing echoes.

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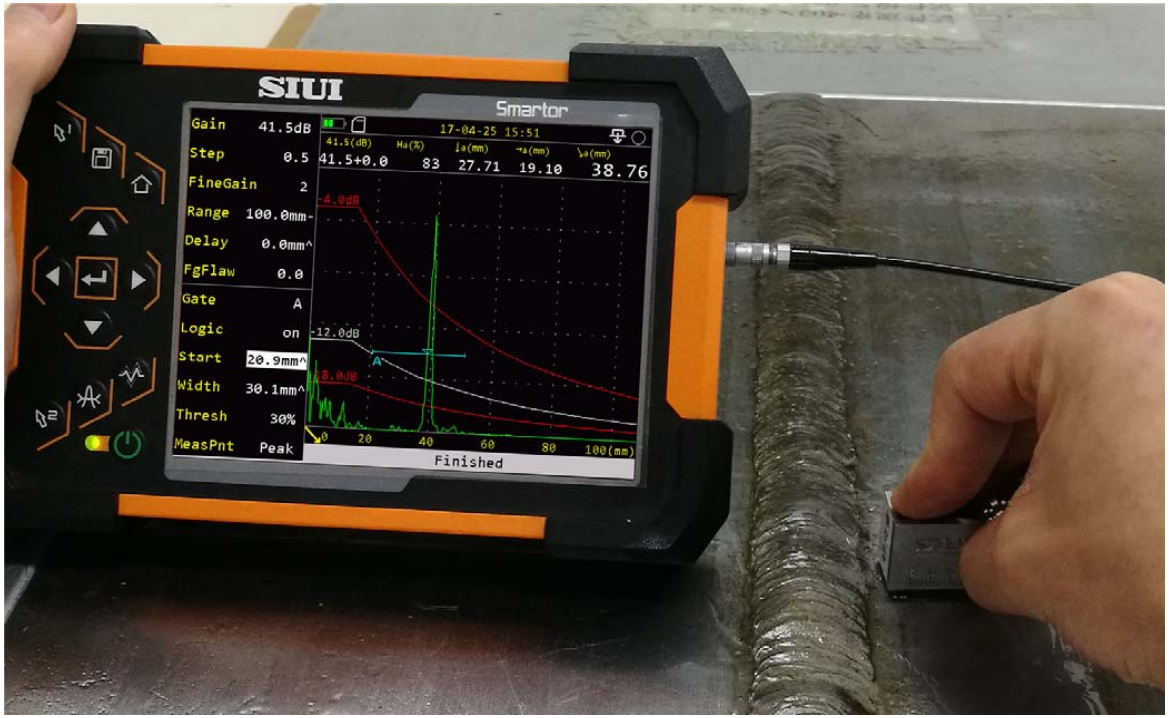

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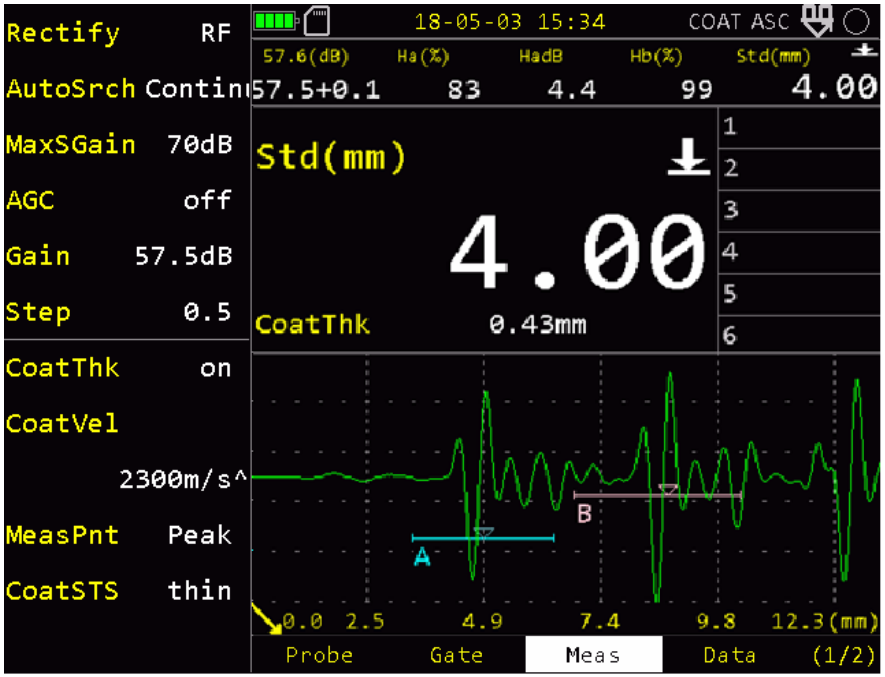
Thickness Measurement

Through-coating Function



After setting the coating velocity, through-coating thickness and coating-thickness can be displayed at the same time.

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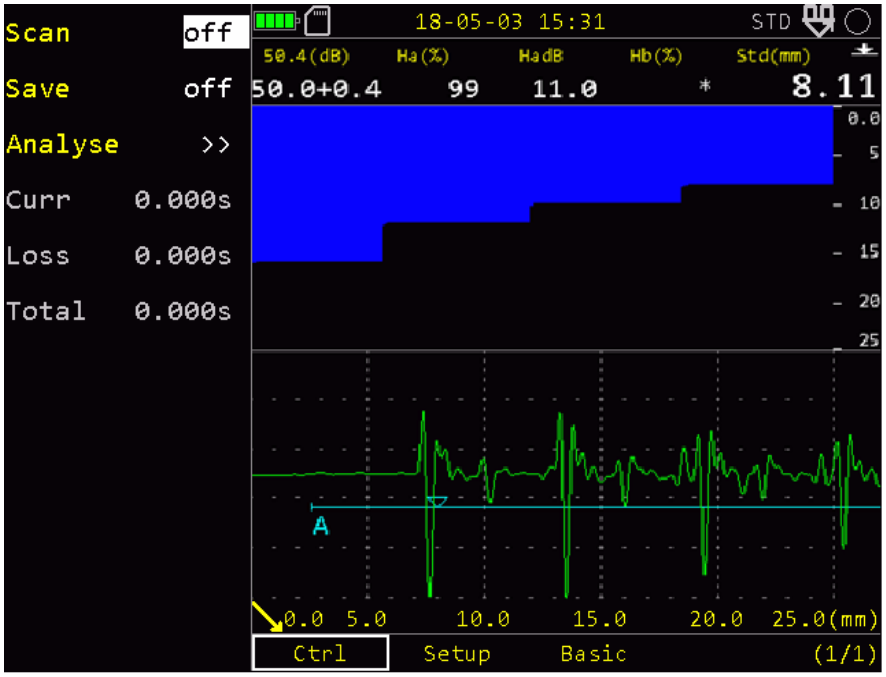
Thickness Measurement

B scan



Based on time interval or encoder, display the measurement readings in B-mode image.

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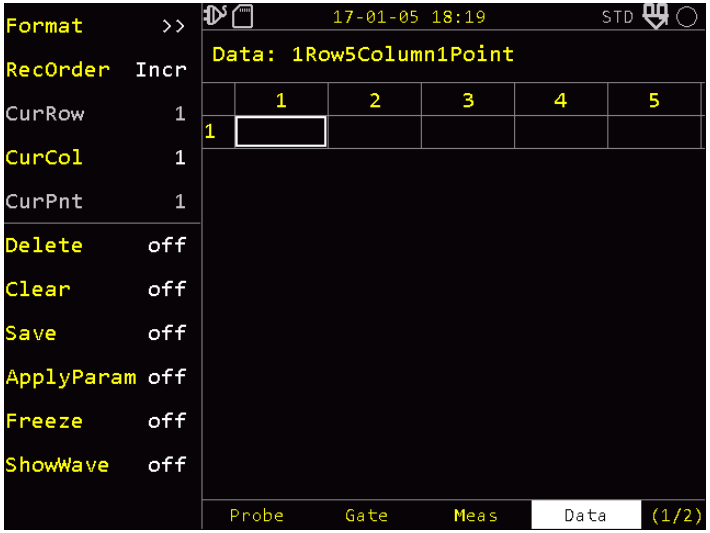
Thickness Measurement

Data Set Management



Measurements recorded and displayed in grids.

TDG(Time Distance Gain Curve)

It can be used for compensating the loss of echo amplitude due to propagation of sound path.

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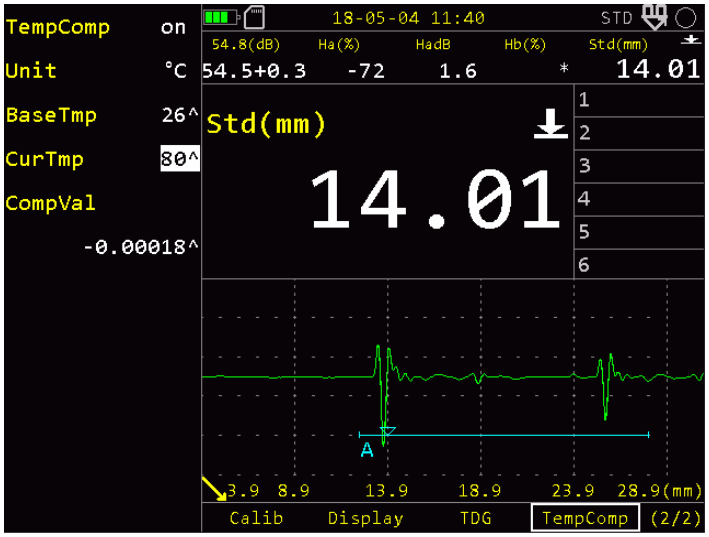
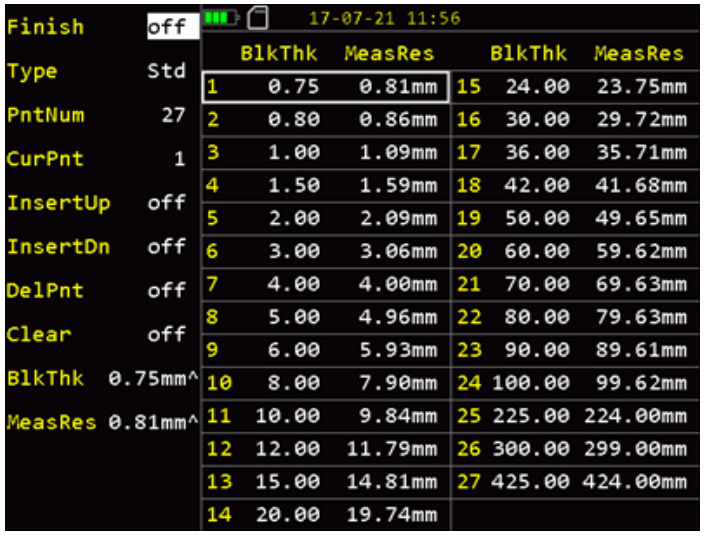
TempComp Function



When there is temperature difference between the calibration block and the detected workpiece, it can be used for temperature compensation.

V-PATH Function



	BlkThk	MeasRes		BlkThk	MeasRes
1	0.75	0.81mm	15	24.00	23.75mm
2	0.80	0.86mm	16	30.00	29.72mm
3	1.00	1.09mm	17	36.00	35.71mm
4	1.50	1.59mm	18	42.00	41.68mm
5	2.00	2.09mm	19	50.00	49.65mm
6	3.00	3.06mm	20	60.00	59.62mm
7	4.00	4.00mm	21	70.00	69.63mm
8	5.00	4.96mm	22	80.00	79.63mm
9	6.00	5.93mm	23	90.00	89.61mm
10	8.00	7.90mm	24	100.00	99.62mm
11	10.00	9.84mm	25	225.00	224.00mm
12	12.00	11.79mm	26	300.00	299.00mm
13	15.00	14.81mm	27	425.00	424.00mm
14	20.00	19.74mm			

All the original dual element probes have a set of default V-PATH calibration curves. Users can make a set of UserVpath curves for a specific probe.

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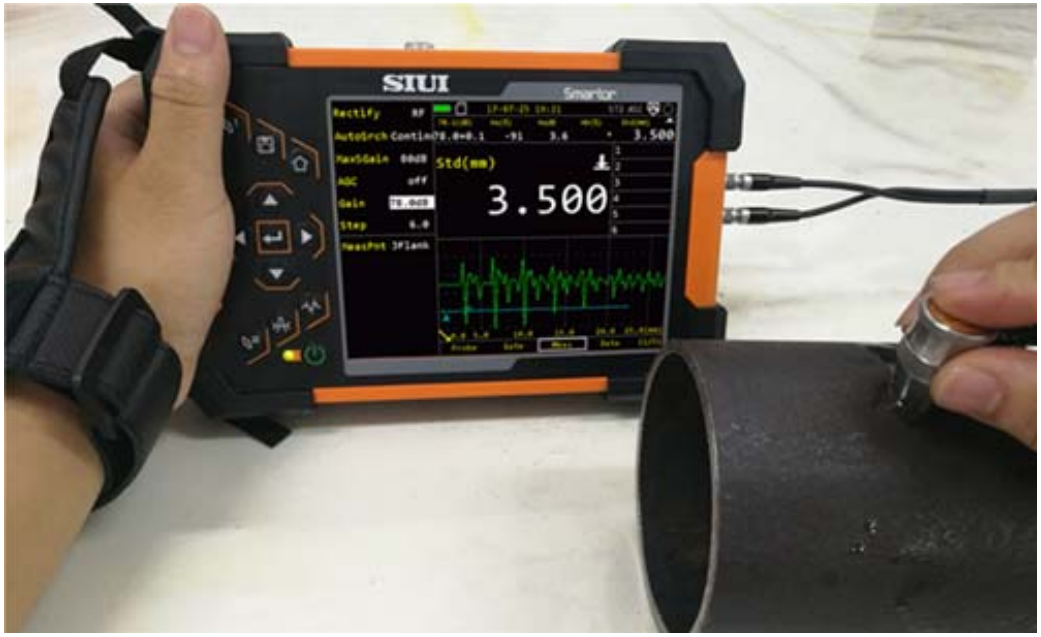

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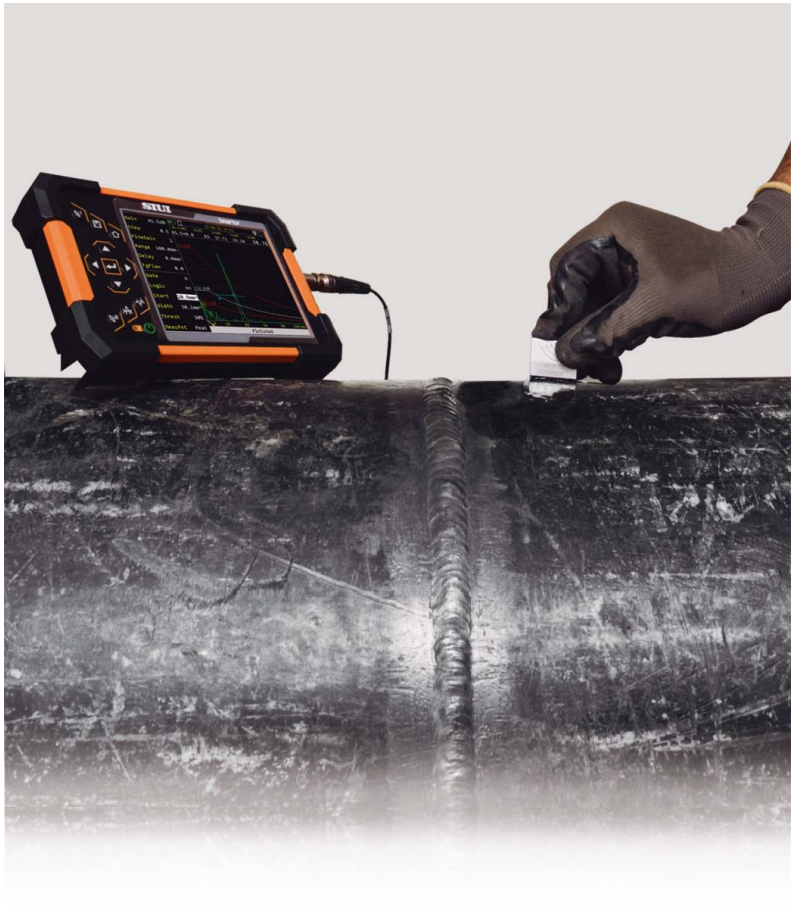
On-site Pics



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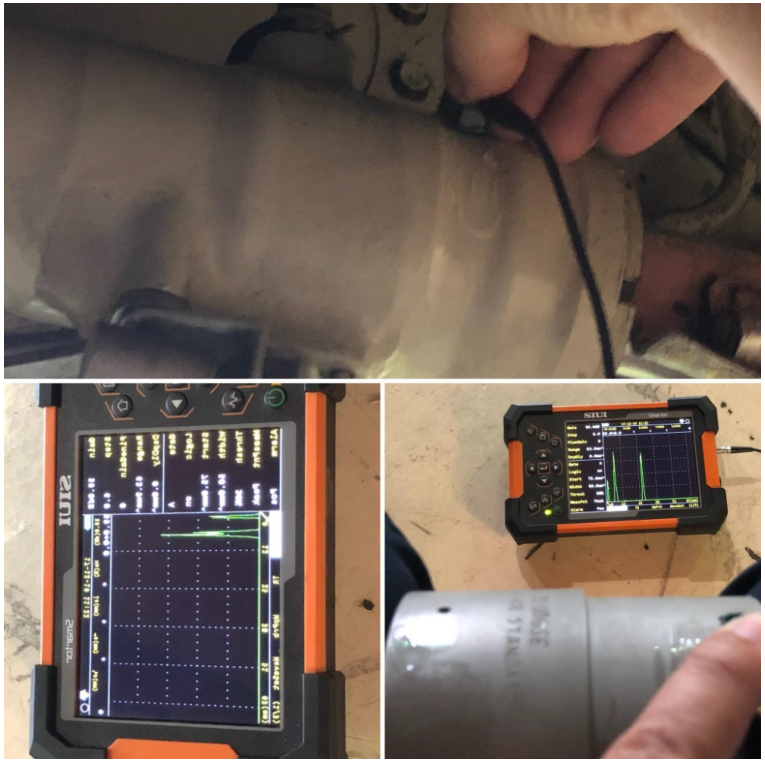

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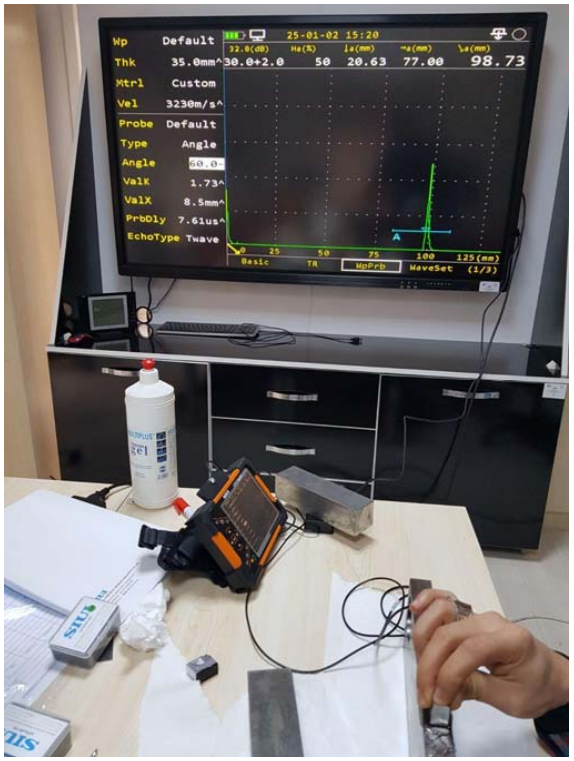

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