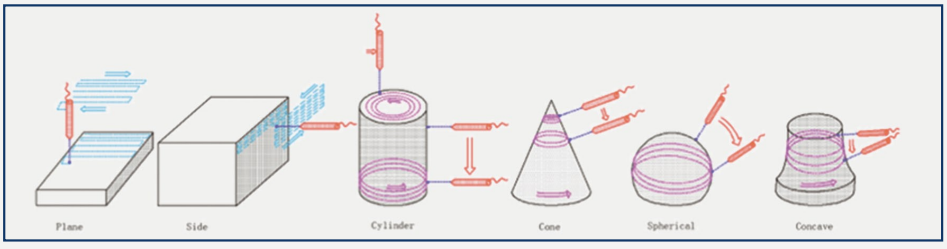
X5 Modular Multi-Axis Ultrasonic Immersion Testing System



Product Main Benefits

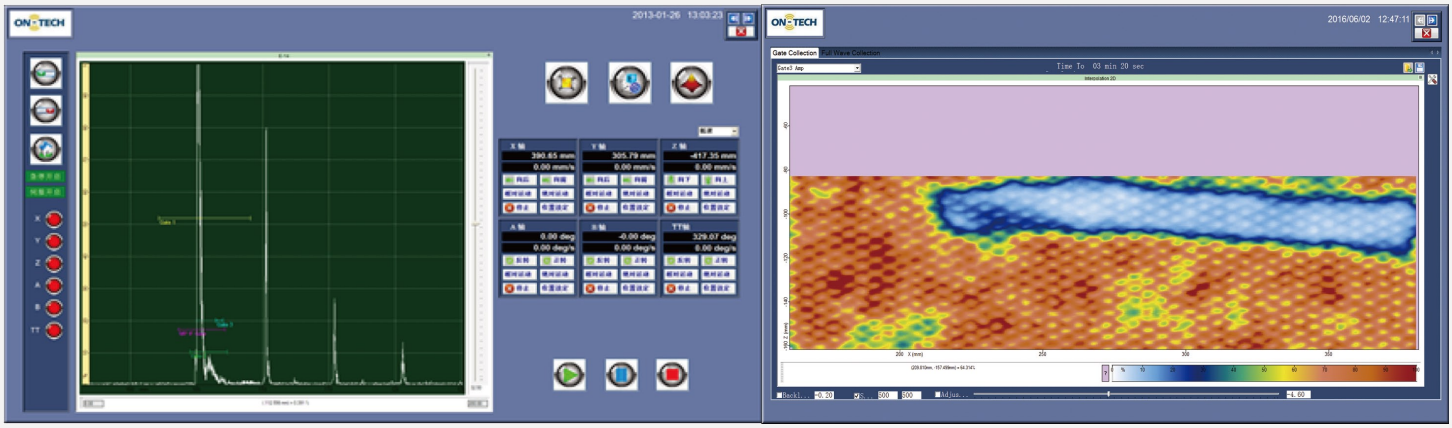
- Profiling of 2D, 2.5D and 3D pieces
- Real-Time A/B/C/D scans display
- Smart system for 2D,2.5D,3D pieces inspection.
- Excellent detection capability for all types of defects
- Hand controller is optional

Structural Features
Larger tank than X3 serials with lift platform
Modular design makes it convenient for maintenance and modification
Organ cover design makes the structure beautiful and exquisite
Low noise electric system makes the electromagnetic interference minimized
Global original ultrasonic suspension structure makes the attenuation of the ultrasonic signal reduced effectively



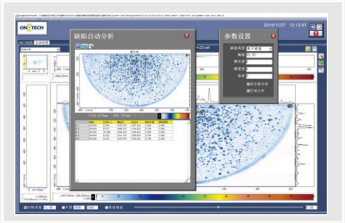
System Function	
Part Shapes	Design for Disc part;Also can inspect: Plate; Tube and Pipe; Axisymmetrical workpiece; Curve surface part
Axis configuration	X/Y/Z/A/B/H(Lift platform);Disc diameter available:1000mm/1500mm/2000mm;Ultrasonic configuration
Ultrasonic configuration	Conventional UT; Phased Array
System Basic Function	A/BC/D View;Interface tracking;TCG Correction;track;Rescan;Standard Data format output;Customer Report; Cluster Analysis;Histogram Analysis;Bonding rate calculation;Multi-layer View;SNR Calculation;FFT;Smoothing; Backlash correction;Offline gain;Annotation
Others	Hand controller;Auto-lubrication system;Underwater light;Large Tank window

U-View Software

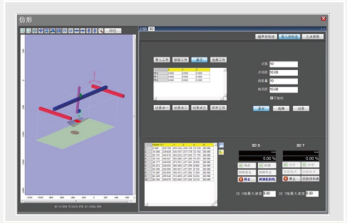


U-View Software

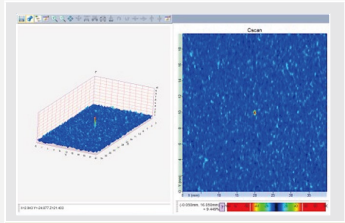
System Function	
Data Collection	Support Gate collection; Full-wave Collection and through transmission technique
System Basic Function	Interface tracking;TCG Correction;track;Rescan;Standard Data format output;Customer Report;Cluster Analysis; Histogram Analysis;Bonding rate calculation;Multi-layer View;SNR Calculation;FFT;Smoothing;Backlash correction; Offline gain;Annotation



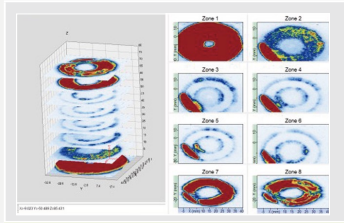
Cluster Analysis



Contour Interface



3D Data View

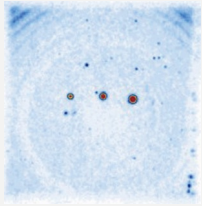


Multi-Layer View

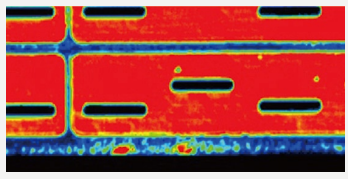
Application



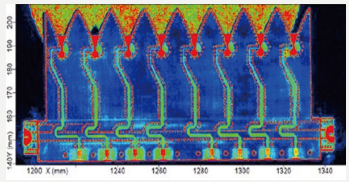
HIC specimen inspection



Φ0.3mm FBH inspection



Weld inspection



Circuit board inspection

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