X3 Advanced Component Inspection System



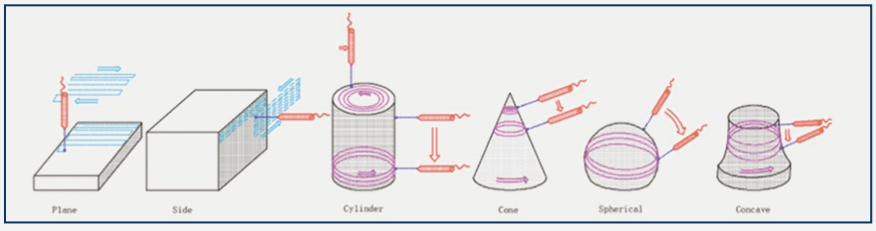


X3

Product Main Benefits

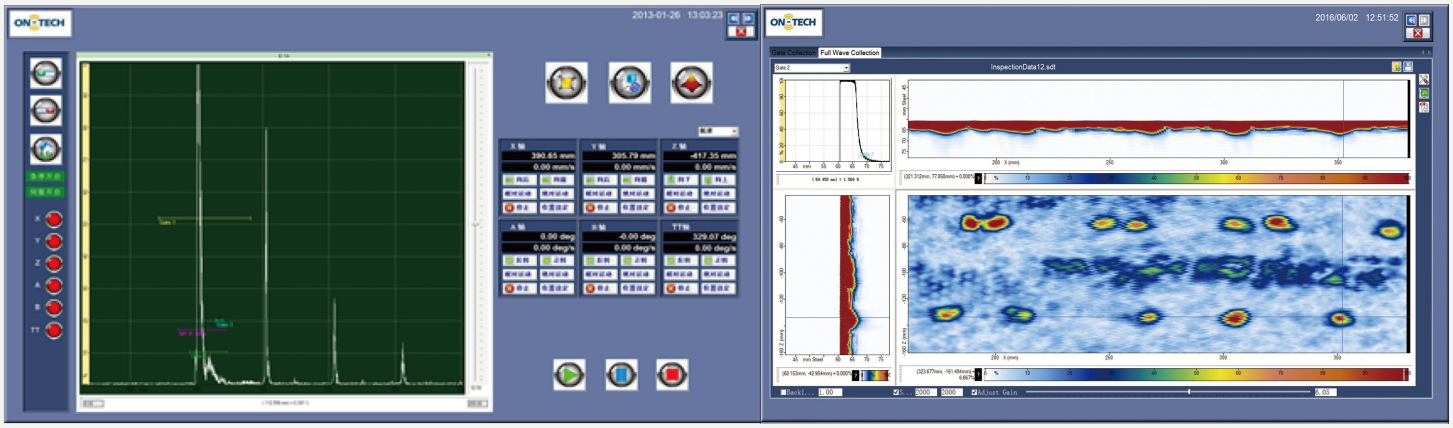
- Profiling of 2D, 2.5D and 3D pieces
- Real-Time A/B/C/D scans display
- Smart system for 2D,2.5D,3D pieces inspection.
- Excellent detection capability for all types of defects
- Hand controller is optional

Structural Features
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
High performance servo motor makes the system preciser and faster



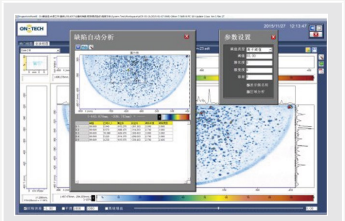
System Function	
Part Shapes	Plate;Tube and Pipe; Disc ring; Axisymmetrical workpiece; Curve surface part
Axis configuration	X/Y/Z/A/B/TT(Optional)/RR(Optional)
Ultrasonic configuration	Conventional UT; Phased Array
System Basic Function	A/BC/D View;Interface tracking;TCG Correction;track;Rescan;Standard 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

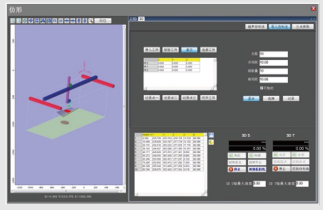


U-View Software

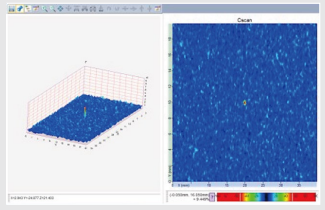
System Function	
Data Collection	Support Gate collection; Full-wave Collection and transmission technique
System Basic Function	Interface tracking;TCG Correction;track;Rescan;Standard Data format output;Customer Report;Cluster Analysis; Histogram Analysis;Bonding rate calculation;Multi-layer View;SNR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



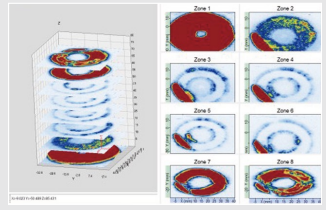
Cluster Analysis



Contour Interface



3D Data View



Multi-Layer View

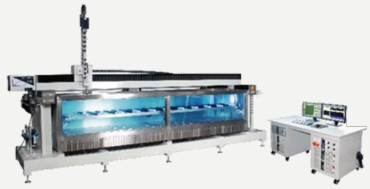
X3 Family



Standard X3



X3-2L

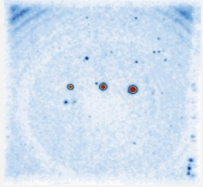


X3-4L

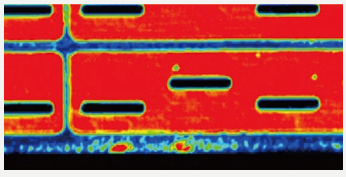
Application



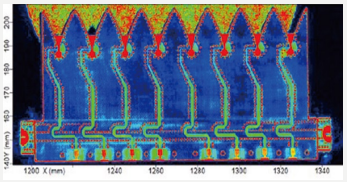
HIC specimen inspection



Φ0.3mm FBH inspection



Weld inspection



Circuit board inspection

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