# X1 High Frequency Ultrasonic Inspection System



X1

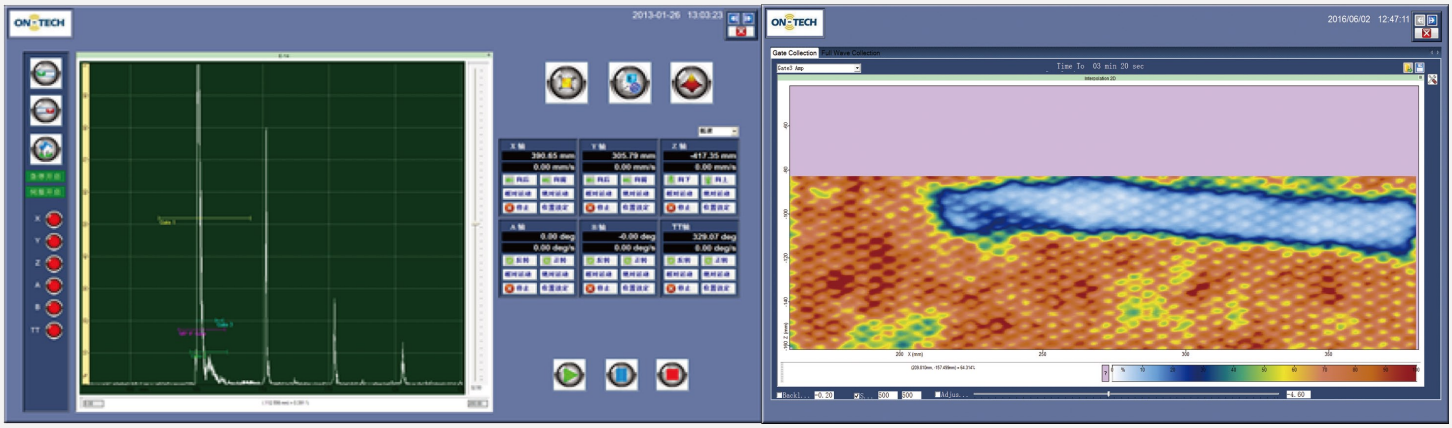
**Product**
**Main Benefits**

- High frequency : 0.1~500MHz
- High Scan Speed:Max. 1000mm/s
- Real-Time A/B/C/D scans display
- Support transmission mode
- Excellent detection capability for all types of defects

| Structural Features |
|---|
| Smaller 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 |

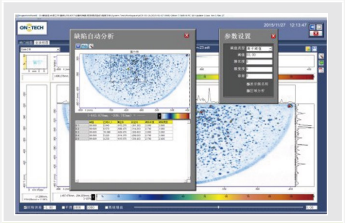
| Structural Features | |
|---|---|
| Part Shapes | Design for Plate:Max.400mm*400mm |
| Axis configuration | X/Y/Z |
| Ultrasonic configuration | High frequency ultrasonic unit; Maximum 500MHz |
| System Basic Function | A/BC/D View;Interface tracking;TCG Correction;track;Rescan;Standard Data format output;Customer Report; Cluster Analysis;Histogram Analysis;Bonding rate calculation;Multi-layer View;SNR Calculation;FFT;Smoothing; Backlash correction;Offline gain;Annotation |
| Others | Underwater light;Large Tank window |

# U-View Software

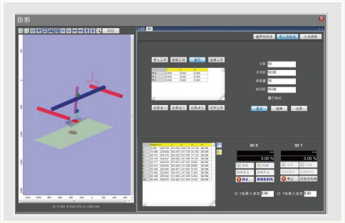


U-View Software

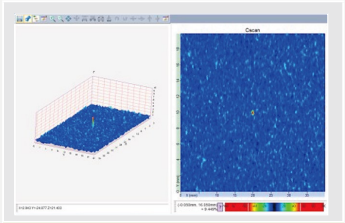
| System Function | |
|---|---|
| Data Collection | Support Gate collection; Full-wave Collection and transmission technique |
| System Basic Function | Interface tracking;TCG Correction;track;Rescan;Standard Data format output;Customer Report;Cluster Analysis; Histogram Analysis;Bonding rate calculation;Multi-layer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



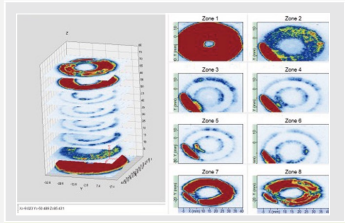
Cluster Analysis



Contour Interface



3D Data View

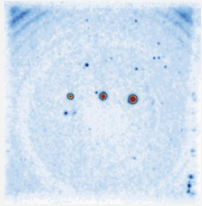


Multi-Layer View

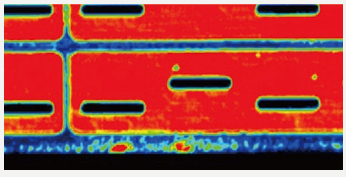
# Application



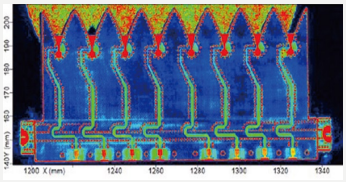
HIC specimen inspection



Φ0.3mm FBH inspection



Weld inspection



Circuit board inspection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