



## FUNCTIONS

<b>Scanning mode</b>	real-time A,B,C scanning and image display
<b>Defect localization</b>	automatic tracking and localization of defects
<b>Analysis of defects</b>	quantitative analysis of material defects-Cluster function
<b>Intelligent threshold</b>	automatically generate each corresponding image as well as difference and ratio images between gates
<b>Automated statistics</b>	function to automatically find the maximum and minimum points
<b>Full waveform storage</b>	full-wave RF record analysis and C-scan result reconstruction function

## SPECIFICATION

<b>Working gate</b>	4 (different gate delays, width control, transient thresholds and detection thresholds)
<b>Working frequency</b>	0.1~32MHz
<b>Material velocity</b>	20~99999m/s
<b>Repetition frequency</b>	1~14000Hz (non-time-shared sampling)
<b>Sampling frequency</b>	Max 250M
<b>Gain</b>	110dB, step 0.1dB
<b>Detection accuracy</b>	meets the AAA level detection accuracy in the standard (e.g. detection sensitivity Ø0.4mm-15dB in 20# mold steel)
<b>Vertical linearity error</b>	≤±2% (within 5~95%)
<b>Horizontal linearity error</b>	≤±1% (within the range of 0~90%)
<b>Ultrasonic pulse wave modes</b>	sharp wave, square wave, linear fm pulse, group pulse group pulse
<b>Trigger mode</b>	software control, external Input, signal threshold
<b>Threshold control</b>	program can control 1~100% full screen
<b>A/D converter</b>	14 bits
<b>Valid itinerary</b>	1200x900x500mm
<b>Operation environment</b>	temperature:-10~45°C, relative humidity:≤85%
<b>Power supply</b>	220V, 50HZ
<b>Dimension</b>	1480x1190x1720mm (customizable)