Nondestructive Inspection System for Detecting Internal Flaws

Purpose: To develop a technology based on phased array and TOFD technologies to detect defects in thick-walled structures

Main Specifications:

- (1) Ultrasonic instrument applicable to phased array & TOFD
 - (a) The number of channels: 32/64CH
 - (60CH for phased array, 4CH for TOFD & Pulse echo)
 - (b) Variable refraction angle: $30\sim70^{\circ}$ / 0.1° Pitch (c) TOFD: 4CH
 - (d) Pulse echo: 8CH
- (e) Frequency band: 0.7~20Mhz
- (2) Driving unit
- (3) Signal processing unit

Location and Date of Installation:

Materials Science Research Laboratory, September 2003

