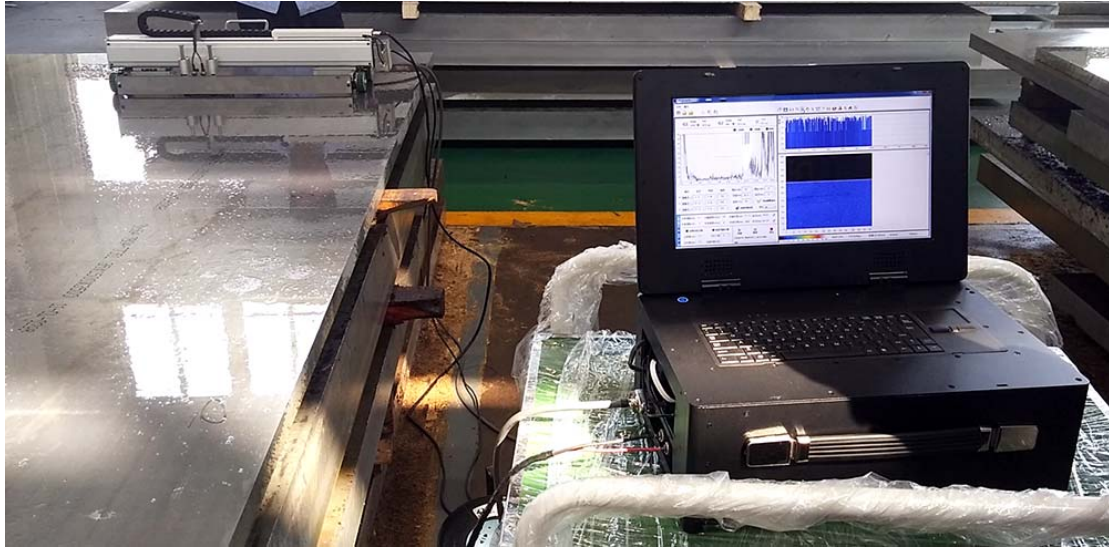


## Abstract

Manual ultrasonic inspection to the metal plate is extremely hard work to the inspector. Both inspection speed and quality can not be guaranteed. The portable plate inspection system can meet this requirement in the industrial field.

The portable plate inspection system consist of a laptop detector and a scanner. This two parts are connected by a control cable and a probe cable. The laptop detector integrated with a socomate's USPC7100LA ultrasonic card and a motion control card. The UltraScan software can control the scanner perform automatic scanning on the surface of plate and do B/C imaging at the same time.



## Characteristic

- Portability – one person can easily move and operate system
- High precision and repeatability

## Technical Specification

- Scanning range: 450mm
- Scanning speed: 150mm/s
- Defect to be detected: 1.2mm FBH (Aluminum plate )

