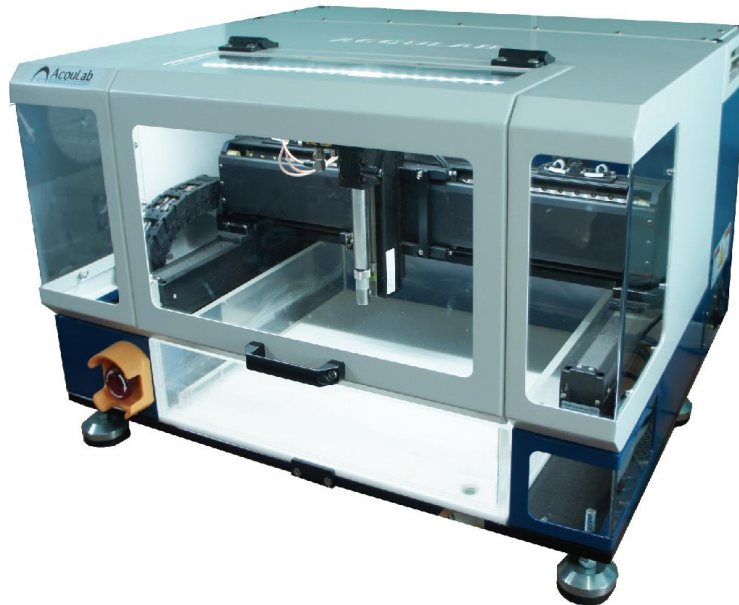


## **Specification of SAM-MINI**



### **1. Ultrasonic Pulser/Receiver**

- Frequency Range 1 - 150MHz
- Low noise, high performance pulser/receiver derives the ultrasonic signal of ultra wide-bandwidth characteristics from the transducer.

### **2. A/D Converter**

- Real time 1GHz Sampling Rate

### **3. Industrial Computer for Ultrasonic System**

- OS : Windows 10
- Monitor : 27"

### **4. Mechanical Scanner**

- Scan Axis (Linear servo motor)  
Max. Speed 750mm/s  
Repeatability +/-2 micron  
Encoder Resolution 0.5micron
- Index Axis  
Micro-stepping motor with lead screw  
Step Resolution 5micron

8, Sudo-ro 55Beongil, Bucheon-si, Gyeonggi-do, 14516, Korea. Tel. 82-32-676-8077/8 Fax. 82-32-676-8079

- Vertical Axis
  - Micro-stepping motor with lead screw
  - Max. Stroke        80mm
  - Vertical Resolution   2.5micron
- C- Scanning Area with T-Scan : 350mm x 170mm (130mm\_T-Scan)
- Material of Mechanical Equipment : Al
- Material of Frame : Steel
- Main Unit SIZE : 740mm X 720mm X 490mm

## 5. Immersion Tank

- Dimension : 430mm x 410mm x 90mm
- Material : Acryl

## 6. General

- Weight                        : Approx. 80kg
- Power                        : AC220V / 15A

## 7. ScanUp Software

- Windows 10 base software for system control and image analysis
- Automatic and manual setup
- Automatic focusing, Auto-sizing & Auto-gate
- Pulse echo and thru transmission modes of operations
- A, B, C-Scan, FFT-Scan TOF-3D and Virtual 3D display
- Multi-Layer Scan (Upto 20 layers), Tray Scan, Strip Scan and Specific Area Scan
- C-Scan image for amplitude, time of flight and phase inversion
- FFT for transducer evaluation, Bulk-scan
- Size measurement of defects and delamination.
- Automatic report generation.
- Simultaneous Pulse Echo and Thru Scan inspection. (Optional)

