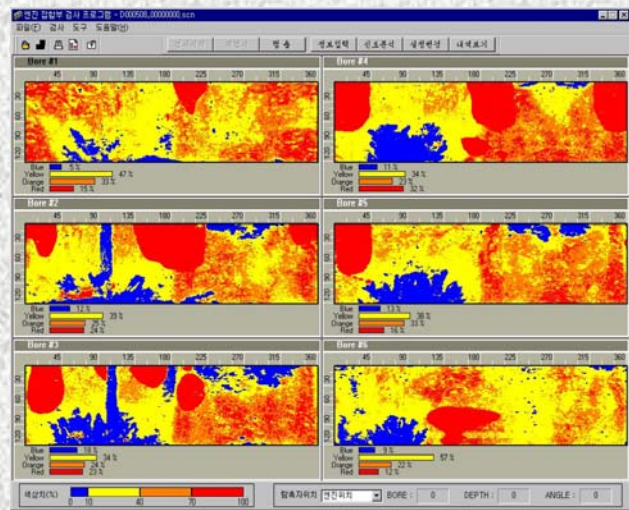


Automobile AL Engine In-line 4, 6 & V6

AcouLab provides a various customized immersion tank systems (ITS) with top quality and high speed inspection. One of AcouLab ITS systems for automobile manufacture, ITS-AL-Engine is used to evaluate the bonding condition of aluminum engine between liner and engine block for L4, L6, V6 and V8. ITS-AL-Engine with ScanUp-Engine™ software, is designed for user friendly and optimized for the inspection of aluminum engines.



Fully Automatic Ultrasonic System for AL Engine

- Detect the void and debond between liner and aluminum engine block
- Measure thickness of liner
- High precision 4 Axis Mechanical Scanner for L4, L6, V6 and V8
- Automatic generation of inspection report
- Perform normal C-Scan
- Record the history of inspection

Specification

- Frequency Range : Bandwidth : DC-35MHz
- Sampling rate : 500MHz
- Motion Controller : 4 Axis Servo/Stepping Motor Control
- Industrial PC : Pentium4 3GHz, 1GByte RAM, CD-RW, 17" LCD Monitor, Color Printer
- S/W : ScanUp for engine
- 4 Axis Mechanical Scanner for L4 and V6 AL Engine
- Auto-sizing of debonding and bonding area
- Real time A, B, C-Scan, 3D and Virtual 3D
- Specially designed 25MHz transducers

