Latest News !

USPC 4008 AirTech: Fast Air-coupled Ultrasonic Testing

Air-coupled Ultrasonic technique (ACU) requires neither coupling paste nor water for coupling. However, because of the low sound speed in air the pulse repetition frequency is lower than by water coupled technique. Our eight-channel parallel technique compensates this disadvantage:

USPC 4008 AirTech

Components for Inspection with 200 kHz:
Sender array: AirTech 200-8 T
Receiver array: AirTech 200-8 R
US-system: USPC4008 AirTech

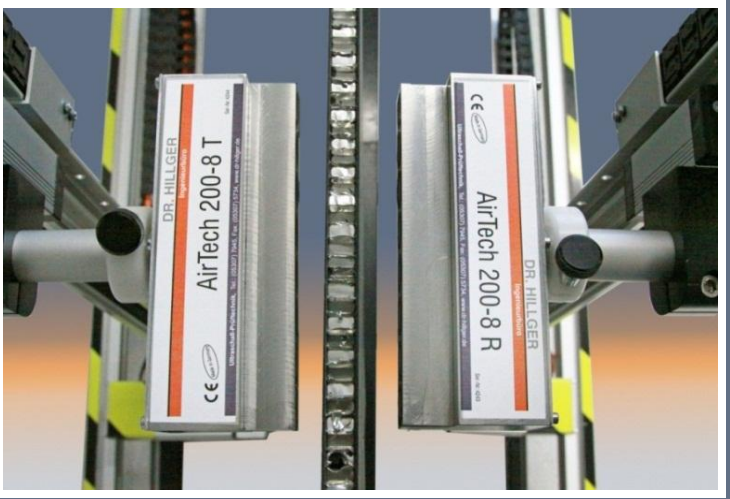
Our **USPC 4008 AirTech** enables a fast parallel data recording and imaging. The scanning time of a 1x1 m plate is reduced for example **from 28 minutes** with a one channel system down **to 4 minutes** with our new 8 channel system**.**

The receiver array contains not only the sensors but also the low-noise preamplifiers and the hardware signal processing so that long cables to **the USPC 4008 AirTech** cause no problems.

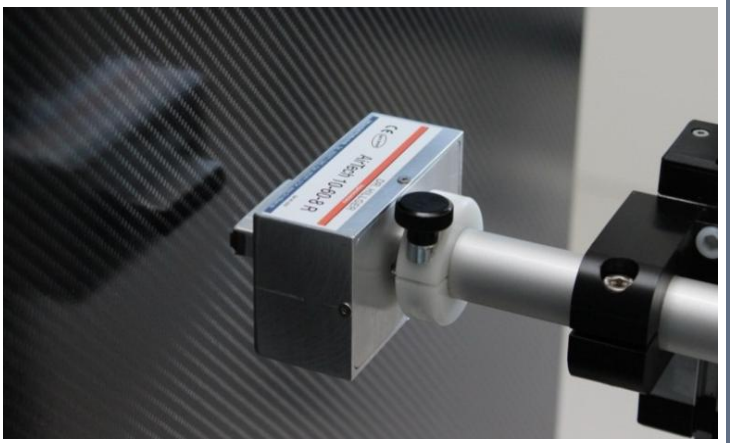
The AirTech 10-60-8 R is a broadband receiver array with built--in low noise preamplifiers for Lamb-wave imaging with a frequency range of 20 to 60 kHz.

Other arrays for air-coupled testing are in development.

Please contact us for further details.

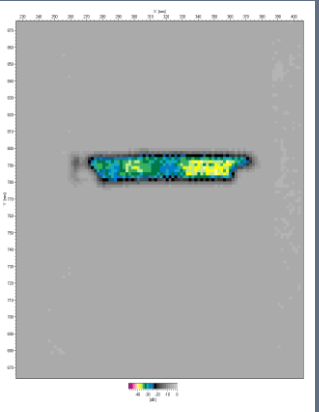


Eight channel sender- and receiver -array



AirTech 10-60-8 eight- channel broad band array

FlatScan scanner with array



C-scan with defect indication

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