



## PHASOR XS OPENS THE DOOR TO PHASED ARRAYS

**Mr. Thomas Fausten**

*Technical Support Manager – Ultrasonics  
GE Inspection Technologies GmbH, Robert Bosch St. 3, 50354 Huerth, ,Germany  
tel: +49(0)2233601226, fax: +49(0)2233601324*

### ABSTRACT

Phasor XS is a simple to use, Ultrasonic Flaw detector with both conventional channel and Phased Arrays capability. This system provides a full color sector image and B-Scan. With one multiple beam scan from one contact location, greater area is covered and inspection data can be displayed as a traditional A-Scan, sector scan, or both simultaneously in real time.

When compared to conventional ultrasonic inspection, the productivity, accuracy and cost savings gained by Phasor XS are endless. Time saving, higher confidence in results and increased probability of detection are the main advantages.

Phasor XS includes a wide range of standard Array Transducers and has a lot of applications. It is quite useful especially in inspection of composites, pipes, weldings and railroad wheels.

An overview of the Phased Array principles, the advantages, and the basic applications will be presented.