

Global and United States Ultrasonic Flaw Detector Market Research by Company, Type & Application 2013-2025

<https://marketpublishers.com/r/G1DF6467751EN.html>

Date: April 2018

Pages: 119

Price: US\$ 2,000.00 (Single User License)

ID: G1DF6467751EN

Abstracts

SUMMARY

Phased array is an advanced ultrasonic NDT method used to detect component failures such as cracks or flaws and determine component quality. The primary methods for ultrasonic flaw sizing and crack sizing include five methods such as Amplitude, dB drop, Phased Array, Time of Flight diffraction and Multiple-wave mode etc. Contemporary ultrasonic flaw detectors are small, portable, microprocessor-based instruments suitable for both shop and field use. They generate and display an ultrasonic waveform that enables a trained operator to locate and categorize flaws in test pieces, often with the aid of analysis software. They typically include an ultrasonic pulser/receiver, hardware and software for signal capture and analysis, a waveform display, and a data logging module. Most contemporary instruments use digital signal processing for optimum stability and precision.

Market Segment as follows:

By Type

Conventional Ultrasonic Flaw instruments

Phased Array Ultrasonic Flaw Detector

TOFD Ultrasonic Flaw Detector

By Application

Energy

Aerospace

Oil & Gas

Manufacturing and Machinery

Automotive

Railways

By Company

GE Measurement & Control(US)

Olympus(Japan)

Sonatest(UK)

Sonotron NDT(Israel)

Karldeutsch(Germany)

Proceq(Swiss)

Zetec(US)

Kropus(Russia)

Centurion NDT(US)

Nova Instruments(NDT Systems)(US)

Hitachi Power Solutions(Japan)

Modsonic(India)

RYOSHO(Japan)

KJTD(Japan)

Novotest(Ukraine)

Dakota Ultrasonics(US)

Mitech(United States)

Siui(United States)

Nantong YouLian(United States)

Doppler(United States)

Suzhou Fuerte(United States)

Kairda(United States)

Testech Group(United States)

The main contents of the report including:

Section 1:

Product definition, type and application, global and United States market overview;

Section 2:

Global and United States Market competition by company;

Section 3:

Global and United States sales revenue, volume and price by type;

Section 4:

Global and United States sales revenue, volume and price by application;

Section 5:

United States export and import;

Section 6:

Company information, business overview, sales data and product specifications;

Section 7:

Industry chain and raw materials;

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