

# Global Ultrasonic Flaw Detector Market Data Survey Report 2025

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## 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.

The global Ultrasonic Flaw Detector market will reach Volume Million USD in 2017 with CAGR xx% 2018-2025. The main contents of the report including:

Global market size and forecast

Regional market size, production data and export & import

Key manufacturers (manufacturing sites, capacity and production, product specifications etc.)

Average market price by SUK

## Major applications

Key manufacturers are included based on manufacturing sites, capacity and production, product specifications etc.:

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(China)

Siui(China)

Nantong YouLian(China)

Doppler(China)

Suzhou Fuerte(China)

Kairda(China)

Testech Group(China)

Major applications  
as follows:

Energy

Aerospace

Oil & Gas

Manufacturing and Machinery

Automotive

Railways

Regional market size, production data and export & import:

Asia-Pacific

North America

Europe

South America

Middle East & Africa

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