

Asia Pacific Acoustic Emission Testing Market Size study, By Equipment Type (Sensors, Amplifiers, Detection Instruments) By Industry Vertical (Chemical and Petrochemical, Oil and Gas, Energy and Power, Automotive, Food and Beverages, Healthcare, Others) and Country Forecasts 2022-2032

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Abstracts

Asia Pacific Acoustic Emission Testing Market is valued at approximately USD 625.65 million in 2023 and is anticipated to grow with a healthy growth rate of more than 7.27% over the forecast period 2024-2032. Acoustic Emission Testing is a non-destructive technique for detecting and locating sources of acoustic energy in materials. It is frequently used to evaluate the structural integrity of materials, especially metals and composites. These tests are used in a variety of industries, including aerospace, manufacturing, construction, and civil engineering, to assure the safety and dependability of structures and components. Furthermore, the rising emphasis on safety and asset integrity are gaining attention in Asia Pacific Acoustic Emission Testing Market. Governments and regulatory authorities in the Asia Pacific region are increasingly enforcing stringent safety and quality standards for infrastructure and industrial operations. Acoustic emission testing is recognized as a reliable technique for assessing the condition of assets and demonstrating compliance with regulatory requirements related to safety, environmental protection, and public health.

The Asia Pacific Acoustic Emission Testing Market is driven by increasing production of automobiles and rising number of infrastructure developments projects across the region. Acoustic emission testing provides valuable insights into the behavior of materials under stress during the manufacturing process. Automotive manufacturers use this information to optimize production processes, such as welding, forming, and

assembly, to minimize defects and improve efficiency. In addition, infrastructure development projects require stringent quality assurance measures to ensure that structures meet safety standards and regulatory requirements. Acoustic emission testing is employed to detect defects, such as cracks, voids in construction materials such as concrete, steel, and composite materials, ensuring the structural integrity and longevity of infrastructure assets. However, high expense related to Acoustic Emission Testing and unavailability of a skilled professionals is going to impede the overall demand for the market during the forecast period 2024-2032.

The key Countries considered for the Asia Pacific Acoustic Emission Testing market study includes China, India, Japan, South Korea, Australia and Rest of Asia Pacific. In 2023, China was the dominating regional market in terms of revenue owing to factors such as rising number of proactive maintenance programs across the region. Industries in China are increasingly adopting proactive maintenance strategies to minimize the risk of unexpected equipment failures and downtime. Acoustic emission testing plays a crucial role in these programs by enabling early detection of structural defects and anomalies in assets such as pipelines, storage tanks, bridges, and machinery. Whereas, the market in India is expected to develop at the fastest rate over the forecast period 2024-2032.

Major market players included in this report are:

Olympus Corporation

Wave Industries Pvt. Ltd

JFE Engineering Corporation

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

By Equipment Type

Sensors

Amplifiers

Detection Instruments

By Industry Vertical
Chemical and Petrochemical
Oil and Gas
Energy and Power
Automotive
Food and Beverages
Healthcare
Others
By Region:
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

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