

Asia Pacific Automotive E-compressor Market Size study, by Type (Pressure Decay Testing, Helium Sniff Testing) by End-use (Automotive & Transportation, Medical & Pharmaceutical, Packaging, Industrial, Aerospace and Defence, Power and Energy) and Country Forecasts 2022-2032

<https://marketpublishers.com/r/A46E9269A2E7EN.html>

Date: June 2024

Pages: 200

Price: US\$ 3,218.00 (Single User License)

ID: A46E9269A2E7EN

Abstracts

Asia Pacific Automotive E-compressor Market is valued approximately USD 398.06 million in 2023 and is anticipated to grow with a healthy growth rate of more than 12.58 % over the forecast period 2024-2032. Automotive E-compressor is a component in modern automotive systems designed to enhance engine performance and efficiency, particularly in vehicles equipped with turbocharged or supercharged engines. This compressor operates independently and helps to eliminate turbo lag, which is the delay in power delivery experienced with traditional turbocharged engines. Furthermore, rising emphasis on lowering weight of conventional IC engine-driven compressors are gaining attention towards Asia Pacific Automotive E-compressor Market. Downsizing of engines is a common strategy employed by automakers to improve fuel economy while maintaining or even enhancing performance. E-compressors offer a lightweight alternative that can enhance overall vehicle efficiency by reducing the load on the engine and improving power delivery.

Asia Pacific Automotive E-compressor Market is driven by rising demand for passenger automobiles and supportive government initiatives to promote electric vehicles across the region. E-compressors play a crucial role in enhancing engine performance by reducing turbo lag and providing immediate boost pressure. This results in improved throttle response and acceleration, contributing to a more satisfying driving experience for consumers. In addition, stringent emissions regulations imposed by governments

across various countries are driving automakers to develop more fuel-efficient and environmentally friendly vehicles. E-compressors contribute to compliance with these regulations by improving engine efficiency and reducing emissions. However, high cost of automotive e-compressor and risk of failure is going to impede the overall demand for the market during the forecast period 2022-2032.

The key countries considered for the Asia Pacific Automotive E-compressor market study includes China, India, Japan, South Korea, Australia and Rest of Asia Pacific. In 2023, China was the largest regional market in terms of revenue owing to factors such as increasing production of electric vehicles across the region. E-compressors play a crucial role in improving the performance of electric powertrains by providing immediate boost pressure without relying on the engine's mechanical power. This helps to enhance acceleration and overall driving dynamics. Furthermore, the market in India, on the other hand, is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

Hanon Systems Co., Ltd
Sanden Holdings Corporation
Mitsubishi Heavy Industries, Ltd
Hitachi Automotive Systems, Ltd
LG Electronics Inc
Panasonic Holdings Corporation
Denso Corporation
Marelli Holdings Co., Ltd
Company 9
Company 10

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

by Type

Pressure Decay Testing
Helium Sniff Testing

by End-use

Automotive & Transportation
Medical & Pharmaceutical
Packaging
Industrial

Aerospace and Defence

Power and Energy

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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