

Global Automotive Dyno Market Size study, by Product Type (Engine Dynamometer, Chassis Dynamometer), by Application (Automotive OEM, Automotive Aftermarket) and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G7E5E2FC765EEN.html>

Date: July 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G7E5E2FC765EEN

Abstracts

The Global Automotive Dyno Market is valued approximately at USD 2.40 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 5.0% over the forecast period 2024-2032. A dynamometer, often referred to as a dyno, is an essential device used to measure the torque and rotational speed of engines, motors, or other rotating prime movers. It calculates instantaneous power or torque, crucial for operating driven machines such as pumps, displaying it in kilowatt (kW) or brake horsepower (BHP). Additionally, dynamometers measure rotational speed, roller accelerations, resistance generated by electromagnetic brakes, fuel consumption, and emissions, thus driving their diverse applications and market growth over the forecast period.

Key factors driving the market include an increase in vehicle population across various regions and growth rates in the APAC region. However, the high cost of dynamometers compared to competitive instruments could restrain market growth. The Global Automotive Dyno Market is capital-intensive, especially concerning testing facilities and dynamometer machines, presenting lucrative growth opportunities. The automotive dyno market trends reveal an increasing vehicle population as the global population grows rapidly, driving vehicle demand. The expansion of the middle class in developing nations is expected to boost future vehicle demand, driving the market. The APAC region, witnessing tremendous growth and technological innovation, holds potential for exponential market growth, enhancing automation and driving the Global Automotive Dyno Market over the forecast period. However, high cost of dynamometers, capital-intensive nature are hindering the market growth during the forecast period 2024-2032.

Key regions considered in the Global Automotive Dyno Market study include North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa. The leading region in the Global Automotive Dyno Market is North America. This dominance is attributed to several factors, including the presence of major automotive manufacturers and extensive research and development activities in the region. North America's strong technological infrastructure supports the development and adoption of advanced dynamometer systems. Additionally, stringent regulations regarding vehicle emissions and fuel efficiency have driven the demand for sophisticated testing equipment. The region's well-established automotive industry, combined with a high focus on innovation and quality control, further reinforces its leading position in the global market. The Asia-Pacific region is the fastest-growing market in the Automotive Dyno Market. This rapid growth is fueled by the burgeoning automotive industry in countries such as China, India, and Japan, where increasing vehicle production and sales are driving the demand for advanced testing and diagnostic equipment.

Major market players included in this report are:

AVL List GmbH

Meidensha Corporation

Horiba, Ltd.

Dynomerck Controls

Taylor Dynamometer

SAKOR Technologies, Inc.

Froude, Inc.

SuperFlow Dynamometers & Flowbenches

Mustang Dynamometer

Power Test, Inc.

Rototest International AB

Schenck RoTec GmbH

Unico, LLC

Maha Maschinenbau Haldenwang GmbH

SGS SA

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

By Type:

Engine Dynamometer

Chassis Dynamometer

By Application:

Automotive OEM

Automotive Aftermarket

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

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 regional 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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