

Driving Efficiency and Performance: The Future of Automotive Diagnostic Solutions

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PORTLAND, OR, UNITED STATES, June 2, 2023 /EINPresswire.com/ -- According to a recent report published by Allied Market Research, titled, "[Automotive Diagnostics Market](#) by Type, Device, and Application: Global Opportunity Analysis and Industry Forecast, 2021–2030," the [global automotive diagnostics market](#) was valued at \$40.77 billion in 2020, and is projected to reach \$109.84 billion by 2030, registering a CAGR of 10.5% from 2021 to 2030.



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Diagnostics are designed to be used in vehicles to determine the condition of the components used in the vehicle. Numerous types of vehicle diagnosis systems are offered by the companies operating in the market, which has created a positive impact on the growth of automotive diagnostics market. In addition, with advancements in vehicular technology, the need for installing on-board vehicular technology increased significantly, which has encouraged automotive diagnostics service providers to develop on-board diagnostics (OBD) for vehicles, thereby propelling the market growth.

Covid-19 Scenario on Automotive Diagnostics Market:

Rapid spread of the Covid-19 across the world halted the demand & supply chain for many products due to the ban on transportation.

Companies producing advanced automotive technologies are implementing developmental strategies such as agreements, expansions, product developments, and product launches to grow and cope with the challenges that occurred during the pandemic.

Due to interrupted supply and manufacturing disruptions, the global automotive diagnostics

market is facing losses and a demand shock.

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The global automotive diagnostics market report is segmented into type, device, application, and region. Depending on type, the market is bifurcated into on-board and off-board diagnostic system. On the basis of device, it is segregated into hand-held tools, mobile-based tools, PC-based tools, and others. The applications covered in the study include passenger cars, light commercial vehicles, heavy commercial vehicles, and electric vehicles. Region wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

Numerous developments have been carried out by the top manufacturers such as BMW AG, Continental AG, Delphi Automotive PLC., Denso Corporation, and Harman International toward offering automotive diagnostic systems. For instance, in April, 2019, Denso Corporation opened a Connected Services Pennsylvania Technical Center in Scranton. It was previously a part of EASE Simulation, Inc., an automotive diagnostics developer, that was fully acquired by DENSO in 2018. The technical center operates under Denso Products and Services Americas, Inc., and further enhances Denso's ability to deliver cutting-edge aftermarket products and services to customers across North America.

Factors such as development of the automotive industry, increase in demand for IoT-based technology, and high demand for safety features in vehicles augment the growth of the global automotive diagnostics market. However, high implementation cost coupled with complexities in configuration and frequent requirement for troubleshooting & high maintenance cost of automotive software create a negative impact on the market across the globe. Conversely, developments in semi-autonomous & autonomous vehicles and advent of multifunctional system are expected to open new avenues for the manufacturers of automotive diagnostics during the forecast period.

Key Findings Of The Study

By type, the on-board segment is expected to register a significant [automotive diagnostics industry growth](#) during the forecast period.

Depending on device, the mobile-based tools segment is anticipated to exhibit significant growth in the near future.

Depending on application, the electric vehicle segment is anticipated to exhibit highest growth rate in the near future.

Asia-Pacific is anticipated to register the highest CAGR during the forecast period.

The key players operating in the global automotive diagnostics market include BMW AG, Continental AG, Delphi Automotive PLC., Denso Corporation, Harman International, Magna International, Pioneer Corporation, Robert Bosch GmbH, Snap-On Inc., and Vector Informatik.

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