

Automotive Diagnostic Scan Tools Market Report by Offering Type (Diagnostic Hardware, Diagnostic Software, Diagnostic Services), Tool Type (DIY Diagnostic, OEMS Diagnostics, Professional Diagnostics), Propulsion Type (IC Engine Vehicles, Electric Vehicles), Vehicle Type (Passenger Vehicle, Commercial Vehicle), and Region 2024-2032

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Report description:

The global automotive diagnostic scan tools market size reached US\$ 37.3 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 59.9 Billion by 2032, exhibiting a growth rate (CAGR) of 5.22% during 2024-2032. The implementation of various government initiatives to enhance road safety, rising expenditure capacities of consumers, and significant expansion in the automotive industry represent some of the key factors driving the market.

Automotive diagnostic scan tools refer to electronic devices used to diagnose any fault in the vehicle. They help to reprogram control modules for cars and detect and analyze electronic system malfunctions for various vehicles. They are widely used to diagnose and troubleshoot issues in the engine, transmission, fuel system, battery, and other electronic systems of vehicles. Automotive diagnostic scan tools are devices that connect to a vehicle's onboard computer system, read and clear diagnostic trouble codes (DTCs), display live data, and perform functions, such as reprogramming and coding. They assist in reprogramming vehicle control modules and detecting and analyzing electronic system malfunctions for various passenger and commercial vehicles. As a result, these tools are used in car workshops and service stations by professionals and DIYers to diagnose and repair defects.

Automotive Diagnostic Scan Tools Market Trends:

The increasing vehicle complexity and the need for advanced diagnostics across the globe are among the key factors driving the

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market growth. Automotive diagnostic scan tools are widely used in modern vehicles to access and interpret data, as these vehicles are equipped with a wide range of electronic systems and sensors. In line with this, the widespread product utilization in aftermarket repair and maintenance services to quickly and accurately diagnose and repair problems in a vehicle is favoring the market growth. Additionally, the increasing electrification of vehicles and the rising need for diagnostic scan tools that can communicate with a vehicle's onboard computer and retrieve data in real-time is acting as another growth-inducing factor. Apart from this, the utilization of onboard diagnostics II (OBD-II) tool that allows global positioning system (GPS) fleet tracking devices to record information, such as engine revolutions, fuel usage, fault codes, and vehicle speed, is propelling the market growth. Furthermore, the integration of artificial intelligence (AI) in automotive diagnostic scan tools that allow more accurate and efficient repairs, provide mechanics with real-time information and ensure enhanced predictive maintenance is providing an impetus to the market growth. Besides this, the implementation of various government initiatives for stringent emission regulations that have led to the increasing demand for diagnostic scan tools to help identify and troubleshoot emissions-related issues is positively influencing the market growth. Other factors, including significant expansion in the automotive industry, rising expenditure capacities of consumers, and the increasing demand for high-end and luxurious vehicles, are anticipated to drive the market growth further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global automotive diagnostic scan tools market, along with forecasts at the global, regional, and country level from 2024-2032. Our report has categorized the market based on offering type, tool type, propulsion type, and vehicle type.

Offering Type Insights:

Diagnostic Hardware

Scanner

Analyzer

Tester

Code Reader

Others

Diagnostic Software

Vehicle System Testing Software

Vehicle Tracking and Emissions Analysis

Others

Diagnostic Services

Vehicle Maintenance and Repair

Custom, Training, Support and Integration

The report has provided a detailed breakup and analysis of the automotive diagnostic scan tools market based on the offering type. This includes diagnostic hardware (scanner, analyzer, tester, code reader, and others), diagnostic software (vehicle system testing software, vehicle tracking, and emissions analysis, and others), and diagnostic services (vehicle maintenance and repair, custom, training, support, and integration). According to the report, diagnostic hardware represented the largest segment.

Tool Type Insights:

DIY Diagnostic

OEMS Diagnostics

Professional Diagnostics

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The report has provided a detailed breakup and analysis of the automotive diagnostic scan tools market based on the tool type. This includes DIY, OEMS and professional diagnostics. According to the report, professional diagnostics represented the largest segment.

Propulsion Type Insights:

IC Engine Vehicles
Electric Vehicles

The report has provided a detailed breakup and analysis of the automotive diagnostic scan tools market based on the propulsion type. This includes IC engine and electric vehicles. According to the report, IC engine vehicles represented the largest segment.

Vehicle Type Insights:

Passenger Vehicle
Commercial Vehicle

The report has provided a detailed breakup and analysis of the automotive diagnostic scan tools market based on the vehicle type. This includes passenger and commercial vehicles. According to the report, passenger vehicles represented the largest segment.

Regional Insights:

North America
United States
Canada
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

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The report has also provided a comprehensive analysis of all the major regional markets that include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and Middle East and Africa. According to the report, Asia Pacific was the largest market for automotive diagnostic scan tools. Some of the factors driving the Asia Pacific automotive diagnostic scan tools market included extensive research and development (R&D) activities, the increasing demand for high-end and luxurious vehicles and the implementation of various government initiatives.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global automotive diagnostic scan tools market. Detailed profiles of all major companies have also been provided. Some of the companies covered include Actia Group, Autel Intelligent Technology Corp. Ltd., AVL DiTEST GmbH (AVL List GmbH), Continental AG, Delphi Technologies (BorgWarner Inc.), Fluke Corporation (Fortive Corporation), Robert Bosch GmbH (Robert Bosch Stiftung GmbH), Snap-On Incorporated, Softing AG, etc.

Key Questions Answered in This Report:

How has the global automotive diagnostic scan tools market performed so far and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global automotive diagnostic scan tools market?

What are the key regional markets?

Which countries represent the most attractive automotive diagnostic scan tools markets?

What is the breakup of the market based on the offering type?

What is the breakup of the market based on the tool type?

What is the breakup of the market based on the propulsion type?

What is the breakup of the market based on the vehicle type?

What is the competitive structure of the global automotive diagnostic scan tools market?

Who are the key players/companies in the global automotive diagnostic scan tools market?

Table of Contents:

- 1 Preface
- 2 Scope and Methodology
 - 2.1 Objectives of the Study
 - 2.2 Stakeholders
 - 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
 - 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
 - 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
 - 4.1 Overview
 - 4.2 Key Industry Trends
- 5 Global Automotive Diagnostic Scan Tools Market
 - 5.1 Market Overview
 - 5.2 Market Performance
 - 5.3 Impact of COVID-19

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- 5.4 Market Forecast
- 6 Market Breakup by Offering Type
 - 6.1 Diagnostic Hardware
 - 6.1.1 Market Trends
 - 6.1.2 Key Segments
 - 6.1.2.1 Scanner
 - 6.1.2.2 Analyzer
 - 6.1.2.3 Tester
 - 6.1.2.4 Code Reader
 - 6.1.2.5 Others
 - 6.1.3 Market Forecast
 - 6.2 Diagnostic Software
 - 6.2.1 Market Trends
 - 6.2.2 Key Segments
 - 6.2.2.1 Vehicle System Testing Software
 - 6.2.2.2 Vehicle Tracking and Emissions Analysis
 - 6.2.2.3 ECU Diagnosis Software
 - 6.2.2.4 Others
 - 6.2.3 Market Forecast
 - 6.3 Diagnostic Services
 - 6.3.1 Market Trends
 - 6.3.2 Key Segments
 - 6.3.2.1 Vehicle Maintenance and Repair
 - 6.3.2.2 Custom, Training, Support and Integration
 - 6.3.3 Market Forecast
- 7 Market Breakup by Tool Type
 - 7.1 DIY Diagnostic
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2 OEMS Diagnostics
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
 - 7.3 Professional Diagnostics
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 8 Market Breakup by Propulsion Type
 - 8.1 IC Engine Vehicles
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
 - 8.2 Electric Vehicles
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 9 Market Breakup by Vehicle Type
 - 9.1 Passenger Vehicle
 - 9.1.1 Market Trends
 - 9.1.2 Market Forecast
 - 9.2 Commercial Vehicle

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- 9.2.1 Market Trends
- 9.2.2 Market Forecast
- 10 Market Breakup by Region
 - 10.1 North America
 - 10.1.1 United States
 - 10.1.1.1 Market Trends
 - 10.1.1.2 Market Forecast
 - 10.1.2 Canada
 - 10.1.2.1 Market Trends
 - 10.1.2.2 Market Forecast
 - 10.2 Asia-Pacific
 - 10.2.1 China
 - 10.2.1.1 Market Trends
 - 10.2.1.2 Market Forecast
 - 10.2.2 Japan
 - 10.2.2.1 Market Trends
 - 10.2.2.2 Market Forecast
 - 10.2.3 India
 - 10.2.3.1 Market Trends
 - 10.2.3.2 Market Forecast
 - 10.2.4 South Korea
 - 10.2.4.1 Market Trends
 - 10.2.4.2 Market Forecast
 - 10.2.5 Australia
 - 10.2.5.1 Market Trends
 - 10.2.5.2 Market Forecast
 - 10.2.6 Indonesia
 - 10.2.6.1 Market Trends
 - 10.2.6.2 Market Forecast
 - 10.2.7 Others
 - 10.2.7.1 Market Trends
 - 10.2.7.2 Market Forecast
 - 10.3 Europe
 - 10.3.1 Germany
 - 10.3.1.1 Market Trends
 - 10.3.1.2 Market Forecast
 - 10.3.2 France
 - 10.3.2.1 Market Trends
 - 10.3.2.2 Market Forecast
 - 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
 - 10.3.4 Italy
 - 10.3.4.1 Market Trends
 - 10.3.4.2 Market Forecast
 - 10.3.5 Spain
 - 10.3.5.1 Market Trends

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- 10.3.5.2 Market Forecast
- 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
- 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast
 - 10.4.3 Others
 - 10.4.3.1 Market Trends
 - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
 - 10.5.1 Market Trends
 - 10.5.2 Market Breakup by Country
 - 10.5.3 Market Forecast
- 11 Drivers, Restraints, and Opportunities
 - 11.1 Overview
 - 11.2 Drivers
 - 11.3 Restraints
 - 11.4 Opportunities
- 12 Value Chain Analysis
- 13 Porters Five Forces Analysis
 - 13.1 Overview
 - 13.2 Bargaining Power of Buyers
 - 13.3 Bargaining Power of Suppliers
 - 13.4 Degree of Competition
 - 13.5 Threat of New Entrants
 - 13.6 Threat of Substitutes
- 14 Price Analysis
- 15 Competitive Landscape
 - 15.1 Market Structure
 - 15.2 Key Players
 - 15.3 Profiles of Key Players
 - 15.3.1 Actia Group
 - 15.3.1.1 Company Overview
 - 15.3.1.2 Product Portfolio
 - 15.3.1.3 Financials
 - 15.3.2 Autel Intelligent Technology Corp. Ltd.
 - 15.3.2.1 Company Overview
 - 15.3.2.2 Product Portfolio
 - 15.3.2.3 Financials

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- 15.3.3 AVL DiTEST GmbH (AVL List GmbH)
 - 15.3.3.1 Company Overview
 - 15.3.3.2 Product Portfolio
- 15.3.4 Continental AG
 - 15.3.4.1 Company Overview
 - 15.3.4.2 Product Portfolio
 - 15.3.4.3 Financials
 - 15.3.4.4 SWOT Analysis
- 15.3.5 Delphi Technologies (BorgWarner Inc.)
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
- 15.3.6 DENSO Corporation
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio
 - 15.3.6.3 Financials
 - 15.3.6.4 SWOT Analysis
- 15.3.7 Fluke Corporation (Fortive Corporation)
 - 15.3.7.1 Company Overview
 - 15.3.7.2 Product Portfolio
- 15.3.8 Robert Bosch GmbH (Robert Bosch Stiftung GmbH)
 - 15.3.8.1 Company Overview
 - 15.3.8.2 Product Portfolio
 - 15.3.8.3 SWOT Analysis
- 15.3.9 Snap-On Incorporated
 - 15.3.9.1 Company Overview
 - 15.3.9.2 Product Portfolio
 - 15.3.9.3 Financials
 - 15.3.9.4 SWOT Analysis
- 15.3.10 Softing AG
 - 15.3.10.1 Company Overview
 - 15.3.10.2 Product Portfolio
 - 15.3.10.3 Financials

Automotive Diagnostic Scan Tools Market Report by Offering Type (Diagnostic Hardware, Diagnostic Software, Diagnostic Services), Tool Type (DIY Diagnostic, OEMS Diagnostics, Professional Diagnostics), Propulsion Type (IC Engine Vehicles, Electric Vehicles), Vehicle Type (Passenger Vehicle, Commercial Vehicle), and Region 2024-2032

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