

# **Automotive Brake Booster Market Size, Trends, Analysis, and Outlook by Brake (Drum Brake, Disc Brake), Technology (Electric Brake Booster, Conventional Vacuum Brake Booster), Type (Single Diaphragm Booster, Dual Diaphragm Booster, Others), Sales Channel (OEM, Aftermarket), by Country, Segment, and Companies, 2024-2030**

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## **Abstracts**

The global Automotive Crash Test Dummies market size is poised to register 3.67% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The study analyzes the global Automotive Crash Test Dummies market by Product (Male dummy, Female dummy, Child dummy), Application (Passenger vehicle, Commercial vehicle).

The Automotive Crash Test Dummies Market is poised for transformational growth until 2030, driven by a myriad of trends and drivers. As automotive safety standards continue to evolve globally, there's a heightened emphasis on more comprehensive crash testing protocols, necessitating the development of advanced anthropomorphic test devices (ATDs). With the proliferation of electric and autonomous vehicles, coupled with the integration of advanced driver-assistance systems (ADAS), there's a growing need for dummies capable of simulating a wider range of human body types and behaviors to ensure accurate representation in crash simulations. In addition, the increasing complexity of vehicle designs and materials demands dummies equipped with sophisticated sensors and instrumentation to provide precise data on occupant kinematics and injury potential. Further, regulatory mandates and consumer demand for safer vehicles are driving investments in research and development, spurring innovation in dummy design and manufacturing processes. Furthermore, the expanding scope of crash testing beyond traditional frontal and side impacts to include scenarios such as

rollovers and pedestrian collisions is expected to fuel demand for specialized dummies tailored to these specific applications. As automotive safety remains a paramount concern, the Automotive Crash Test Dummies Market is poised to witness sustained growth driven by these dynamic trends and drivers..

### Automotive Crash Test Dummies Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Automotive Crash Test Dummies market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Automotive Crash Test Dummies survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Automotive Crash Test Dummies industry.

### Key market trends defining the global Automotive Crash Test Dummies demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

### Automotive Crash Test Dummies Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Automotive Crash Test Dummies industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Automotive Crash Test Dummies companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

### Key strategies adopted by companies within the Automotive Crash Test Dummies industry

Leading Automotive Crash Test Dummies companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The

report provides key strategies opted for by the top 10 Automotive Crash Test Dummies companies.

#### Automotive Crash Test Dummies Market Study- Strategic Analysis Review

The Automotive Crash Test Dummies market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis.

Explore potential market disruptions, technology advancements, and economic changes.

#### Automotive Crash Test Dummies Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Automotive Crash Test Dummies industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

#### Automotive Crash Test Dummies Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

#### North America Automotive Crash Test Dummies Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Automotive Crash Test Dummies market segments. Similarly, Strong end-user demand is encouraging Canadian Automotive Crash Test Dummies companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements,

the Mexico Automotive Crash Test Dummies market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

**Europe Automotive Crash Test Dummies Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities**

The German industry remains the major market for companies in the European Automotive Crash Test Dummies industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Automotive Crash Test Dummies market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

**Asia Pacific Automotive Crash Test Dummies Market Size Outlook- an attractive hub for opportunities for both local and global companies**

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Automotive Crash Test Dummies in Asia Pacific. In particular, China, India, and South East Asian Automotive Crash Test Dummies markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

**Latin America Automotive Crash Test Dummies Market Size Outlook- Continued urbanization and rising income levels**

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

**Middle East and Africa Automotive Crash Test Dummies Market Size Outlook- continues its upward trajectory across segments**

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Automotive Crash Test Dummies market potential. Fueled by increasing consumption expenditure, growing population, and high demand across a few markets drives the demand for Automotive Crash Test Dummies.

#### Automotive Crash Test Dummies Market Company Profiles

The global Automotive Crash Test Dummies market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are 4a technology GmbH, AB Dynamics plc, Autoliv Inc, DEKRA SE, Dewesoft d.o.o., Encocam Ltd, Exponent Inc, FUTEK Advanced Sensor Technology Inc, GESAC Inc Co., Humanetics Innovative Solutions Inc, JASTI Co. Ltd, Kistler Holding AG, Mazda Motor Corp, Plascore Inc, Porsche Automobil Holding SE, Siemens AG, TransDigm Group Inc, XSENSOR Technology Corp, ZF Friedrichshafen AG.

#### Recent Automotive Crash Test Dummies Market Developments

The global Automotive Crash Test Dummies market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

#### Automotive Crash Test Dummies Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

Product

Male dummy  
Female dummy  
Child dummy  
Application  
Passenger vehicle  
Commercial vehicle

Geographical Segmentation:  
North America (3 markets)  
Europe (6 markets)  
Asia Pacific (6 markets)  
Latin America (3 markets)  
Middle East Africa (5 markets)

Companies  
4a technology GmbH  
AB Dynamics plc  
Autoliv Inc  
DEKRA SE  
Dewesoft d.o.o.  
Encocam Ltd  
Exponent Inc  
FUTEK Advanced Sensor Technology Inc  
GESAC Inc Co.  
Humanetics Innovative Solutions Inc  
JASTI Co. Ltd  
Kistler Holding AG  
Mazda Motor Corp  
Plascore Inc  
Porsche Automobil Holding SE  
Siemens AG  
TransDigm Group Inc  
XSENSOR Technology Corp  
ZF Friedrichshafen AG.  
Formats Available: Excel, PDF, and PPT

## Contents

### 1. EXECUTIVE SUMMARY

- 1.1 Automotive Brake Booster Market Overview and Key Findings, 2024
- 1.2 Automotive Brake Booster Market Size and Growth Outlook, 2021- 2030
- 1.3 Automotive Brake Booster Market Growth Opportunities to 2030
- 1.4 Key Automotive Brake Booster Market Trends and Challenges
  - 1.4.1 Automotive Brake Booster Market Drivers and Trends
  - 1.4.2 Automotive Brake Booster Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Automotive Brake Booster Companies

### 2. AUTOMOTIVE BRAKE BOOSTER MARKET SIZE OUTLOOK TO 2030

- 2.1 Automotive Brake Booster Market Size Outlook, USD Million, 2021- 2030
- 2.2 Automotive Brake Booster Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

### 3. AUTOMOTIVE BRAKE BOOSTER MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
  - \* Threat of New Entrants
  - \* Threat of Substitutes
  - \* Intensity of Competitive Rivalry
  - \* Bargaining Power of Buyers
  - \* Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

### 4. AUTOMOTIVE BRAKE BOOSTER MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
  - Brake
  - Drum Brake
  - Disc Brake

Technology

Electric Brake Booster

Conventional Vacuum Brake Booster

Type

Single Diaphragm Booster

Dual Diaphragm Booster

Others

Sales Channel

Original Equipment Manufacturer

Aftermarket

4.3 Growth Prospects and Niche Opportunities, 2023- 2030

4.4 Regional comparison of Market Growth, CAGR, 2023-2030

## **5. REGION-WISE MARKET OUTLOOK TO 2030**

5.1 Key Findings for Asia Pacific Automotive Brake Booster Market, 2025

5.2 Asia Pacific Automotive Brake Booster Market Size Outlook by Type, 2021- 2030

5.3 Asia Pacific Automotive Brake Booster Market Size Outlook by Application, 2021- 2030

5.4 Key Findings for Europe Automotive Brake Booster Market, 2025

5.5 Europe Automotive Brake Booster Market Size Outlook by Type, 2021- 2030

5.6 Europe Automotive Brake Booster Market Size Outlook by Application, 2021- 2030

5.7 Key Findings for North America Automotive Brake Booster Market, 2025

5.8 North America Automotive Brake Booster Market Size Outlook by Type, 2021- 2030

5.9 North America Automotive Brake Booster Market Size Outlook by Application, 2021- 2030

5.10 Key Findings for South America Automotive Brake Booster Market, 2025

5.11 South America Pacific Automotive Brake Booster Market Size Outlook by Type, 2021- 2030

5.12 South America Automotive Brake Booster Market Size Outlook by Application, 2021- 2030

5.13 Key Findings for Middle East and Africa Automotive Brake Booster Market, 2025

5.14 Middle East Africa Automotive Brake Booster Market Size Outlook by Type, 2021- 2030

5.15 Middle East Africa Automotive Brake Booster Market Size Outlook by Application, 2021- 2030

## **6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030**



- 6.1 US Automotive Brake Booster Market Size Outlook and Revenue Growth Forecasts
- 6.2 US Automotive Brake Booster Industry Drivers and Opportunities
- 6.3 Canada Market Size Outlook and Revenue Growth Forecasts
- 6.4 Canada Automotive Brake Booster Industry Drivers and Opportunities
- 6.6 Mexico Market Size Outlook and Revenue Growth Forecasts
- 6.6 Mexico Automotive Brake Booster Industry Drivers and Opportunities
- 6.7 Germany Market Size Outlook and Revenue Growth Forecasts
- 6.8 Germany Automotive Brake Booster Industry Drivers and Opportunities
- 6.9 France Market Size Outlook and Revenue Growth Forecasts
- 6.10 France Automotive Brake Booster Industry Drivers and Opportunities
- 6.11 UK Market Size Outlook and Revenue Growth Forecasts
- 6.12 UK Automotive Brake Booster Industry Drivers and Opportunities
- 6.13 Spain Market Size Outlook and Revenue Growth Forecasts
- 6.14 Spain Automotive Brake Booster Industry Drivers and Opportunities
- 6.16 Italy Market Size Outlook and Revenue Growth Forecasts
- 6.16 Italy Automotive Brake Booster Industry Drivers and Opportunities
- 6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts
- 6.18 Rest of Europe Automotive Brake Booster Industry Drivers and Opportunities
- 6.19 China Market Size Outlook and Revenue Growth Forecasts
- 6.20 China Automotive Brake Booster Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India Automotive Brake Booster Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan Automotive Brake Booster Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Automotive Brake Booster Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Automotive Brake Booster Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Automotive Brake Booster Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Automotive Brake Booster Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Automotive Brake Booster Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Automotive Brake Booster Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Automotive Brake Booster Industry Drivers and Opportunities

- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Automotive Brake Booster Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Automotive Brake Booster Industry Drivers and Opportunities

## **7. AUTOMOTIVE BRAKE BOOSTER MARKET OUTLOOK ACROSS SCENARIOS**

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

## **8. AUTOMOTIVE BRAKE BOOSTER COMPANY PROFILES**

- 8.1 Profiles of Leading Automotive Brake Booster Companies in the Market
- 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
- 8.3 Financial Performance and Key Metrics

Aisin Seiki Co. Ltd

Akebono Brake Industry Co. Ltd

Brembo S.p.A.

BWI Group

CARDONE Industries Inc

Carlisle Brake & Friction Inc

Continental AG

Dongguang Aowei Brake System Co. Ltd

FTE automotive GmbH

Huayu Automotive Systems Co. Ltd

Hyundai Mobis Co. Ltd

Liuzhou Wuling Motors Co. Ltd

Nissin Kogyo Co. Ltd

Robert Bosch GmbH

Wanxiang Group Corp

ZF Friedrichshafen AG

Zhejiang Jingke Automotive Electronics Co. Ltd

## **9. APPENDIX**

- 9.1 Scope of the Report
- 9.2 Research Methodology and Data Sources
- 9.3 Glossary of Terms

9.4 Market Definitions

9.5 Contact Information

## I would like to order

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