

Global ABS and ESC System Market Size study & Forecast, by Technology, Vehicle Type, Components, End Use and Regional Forecasts 2025-2035

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Abstracts

The Global ABS and ESC System Market is valued at approximately USD 37.19 billion in 2024 and is poised to grow at a promising CAGR of 4.41% over the forecast period from 2025 to 2035. As the automotive industry propels itself into an era of enhanced safety and regulatory compliance, the deployment of active safety technologies such as Anti-lock Braking Systems (ABS) and Electronic Stability Control (ESC) has shifted from optional luxury to essential infrastructure. These intelligent systems, designed to prevent skidding and improve vehicle stability during emergency maneuvers or low-traction conditions, have redefined road safety protocols globally. Fueled by a rise in urban mobility, the surge in highway freight transportation, and regulatory mandates, the market is gaining traction across both developed and emerging economies.

Ongoing advancements in sensor fusion, brake actuation, and embedded control modules are pushing the boundaries of ABS and ESC capabilities—transforming these platforms into smarter, faster, and more integrated solutions. OEMs are actively leveraging combined ABS and ESC packages to provide holistic vehicular control, particularly in high-performance and heavy-duty segments such as trucks and fleet vehicles. Furthermore, with the growing emphasis on vehicle electrification and autonomous functionalities, these systems are being recalibrated to support electric braking, predictive algorithms, and real-time data feedback, unlocking new layers of value. However, the relatively higher costs associated with embedded electronics and maintenance can act as a deterrent in low-income economies.

From a regional perspective, North America holds a substantial share in the ABS and ESC System market, driven by a combination of advanced vehicular infrastructure, stringent safety mandates from NHTSA, and high adoption rates among private and

commercial users alike. Europe follows closely, thanks to initiatives like the EU's mandatory fitment of ESC systems in all new vehicles. Meanwhile, Asia Pacific stands out as the fastest-growing region, propelled by rapid industrialization, booming vehicle production, and increasing consumer awareness in countries such as China, India, and South Korea. The region also benefits from aggressive investments by local and international automakers aiming to meet evolving safety expectations and regulatory frameworks.

Major market players included in this report are:

Robert Bosch GmbH

ZF Friedrichshafen AG

Hyundai Mobis

Continental AG

Hitachi Astemo

Denso Corporation

Aptiv PLC

Veoneer Inc.

Mando Corporation

WABCO Holdings Inc.

ADVICS Co. Ltd.

Knorr-Bremse AG

Texas Instruments Inc.

Autoliv Inc.

Nissin Kogyo Co., Ltd.

Global ABS and ESC System Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025-2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Technology:

Anti-lock Braking System (ABS)

Electronic Stability Control (ESC)

Combined ABS and ESC

By Vehicle Type:

Passenger Cars

Commercial Vehicles

Two Wheelers

Heavy Trucks

By Components:

Sensors

Control Modules

Actuators

By End Use:

Private Use

Fleet Use

Public Transport

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

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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