

# **South & Central America Servo Drives Market Size and Forecast (2021 - 2031), Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Drive (AC and DC), Category (Digital and Analog), Voltage (Low, Medium, and High), and Application (Semiconductor and Electronics, Automotive, Packaging, Oil and Gas, Metal and Mining, Pharmaceutical and Healthcare, and Other Applications)**

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## **Abstracts**

The servo drive market in South and Central America is poised for significant growth, with projections indicating that it will reach approximately US\$ 419.18 million by 2031, up from US\$ 318.39 million in 2024. This growth trajectory reflects a compound annual growth rate (CAGR) of 4.2% from 2025 to 2031, driven by several key factors.

### **Executive Summary and Market Analysis**

The increasing focus on industrial automation, coupled with a rise in manufacturing activities, is propelling the demand for servo drives across South and Central America. Key sectors such as automotive, food and beverage, electronics, and packaging are witnessing heightened adoption of smart technologies. Countries like Brazil and Argentina are making substantial investments to modernize their industrial infrastructure, supported by government initiatives aimed at promoting digital transformation and enhancing energy efficiency.

Moreover, the region's logistics and warehousing sectors are expanding rapidly, fueled

by the growth of e-commerce, which in turn is driving the demand for robotics and automated material handling systems. The emphasis on renewable energy projects and sustainable industrial practices is further accelerating the integration of advanced motion control systems, making servo drives increasingly critical in achieving operational efficiency and precision.

In March 2025, IMI announced the opening of a new facility in Jardim Iporanga, Sorocaba, Brazil. This strategic investment is set to bolster IMI's Process Automation business in South America, facilitating the integration of distribution, field service, and control valve repair operations within the petrochemical sector. As industries such as petrochemicals, manufacturing, and energy intensify their focus on automation, the demand for advanced servo drives is expected to surge, as these components are essential for precise control and efficiency in automated systems.

## **Market Segmentation Analysis**

The South and Central America servo drive market can be segmented based on drive type, category, voltage, and application:

**Drive Type:** The market is divided into AC and DC drives, with the AC segment holding a larger market share in 2024.

**Category:** The market is further bifurcated into digital and analog categories, where the digital segment is leading in market share.

**Voltage:** The segmentation by voltage includes low, medium, and high voltage, with the low voltage segment dominating the market in 2024.

**Application:** The applications of servo drives span various sectors, including semiconductor and electronics, automotive, packaging, oil and gas, metal and mining, and pharmaceutical and healthcare, with the semiconductor and electronics segment holding the largest share in 2024.

## **Market Outlook**

The servo drive market is undergoing a transformative phase, largely driven by rapid advancements in feedback systems. As industrial automation, robotics, and high-performance motion control applications demand higher precision, the evolution of

feedback technologies is becoming a critical differentiator. Advanced feedback systems in servo drives are expected to achieve unprecedented levels of precision and resolution, enabling more accurate control over speed, torque, and position. Innovations in sensor technologies, such as high-resolution optical encoders and advanced resolvers, are central to this trend, offering improved signal integrity and reduced latency.

A notable development in this area is the integration of Dual Universal Feedback capabilities into modern servo drives. This feature allows for the simultaneous use of two different feedback sources—typically a primary and a secondary encoder—on the same motion axis. This flexibility is particularly advantageous in applications requiring redundancy or where one type of feedback excels under specific operating conditions.

The trend towards advanced feedback integration is shaping the global servo drive market, especially as Industry 4.0 and the Industrial Internet of Things (IIoT) gain traction. There is an increasing need for servo systems that provide robust diagnostic data and interoperability, alongside precise control. Advanced feedback systems facilitate predictive maintenance by detecting early signs of wear or failure, thereby reducing downtime and enhancing overall system intelligence. Manufacturers that incorporate high-performance feedback options and universal compatibility into their products are well-positioned to capture a significant share of the growing market.

## **Country Insights**

The South and Central America servo drive market is primarily composed of Brazil, Argentina, and other countries in the region, with Brazil holding the largest market share in 2024. The Brazilian servo drive market is gaining momentum as the country emphasizes industrial automation, sustainability, and smart manufacturing practices. The establishment of Nice's new headquarters in Limeira in June 2023, designed by Mario Cucinella Architects, exemplifies this shift towards high-tech, sustainable manufacturing, which directly supports the demand for precision motion control systems like servo drives.

## **Company Profiles**

Key players in the South and Central America servo drive market include ABB Ltd, Fuji Electric Co Ltd, Hitachi Ltd, Bosch Rexroth AG, Rockwell Automation Inc, Schneider Electric SE, Siemens AG, Beckhoff Automation GmbH & Co. KG, and Infranor GmbH, among others. These companies are employing various strategies, including expansion,

product innovation, and mergers and acquisitions, to enhance their market presence and deliver innovative products to consumers.

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