

Middle East & Africa Servo Motors and Drives Market Size and Forecast (2021 - 2031), Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Component (Controller Modules, Electronic Amplifiers, Sensors, Encoders, and Others), Product Type (Servo Motor and Servo Drive), Brake Technology (Permanent Magnet, Spring, and Others), and Industry (Automotive and Transportation, Semiconductor and Consumer Electronics, Food Processing Industry, Textile Industry, and Others)

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Abstracts

The servo motors and drives market in the Middle East and Africa is projected to grow significantly, reaching an estimated US\$ 1,085.42 million by 2031, up from US\$ 840.54 million in 2024. This growth represents a compound annual growth rate (CAGR) of 3.6% from 2024 to 2031. The market is primarily driven by the expanding industrial manufacturing sector across the region, which is increasingly adopting advanced technologies to enhance productivity and efficiency.

Market Overview

The Middle East and Africa servo motors and drives market is segmented into key regions, including South Africa, Saudi Arabia, the UAE, and the Rest of Middle East and Africa. The demand for servo motors and drives is being propelled by the growing industrial manufacturing sector, which is integrating automation solutions into their operations. According to data from the World Economic Forum in August 2023, the Gulf

Cooperation Council (GCC) countries are increasingly adopting advanced technologies such as artificial intelligence, robotics, and conveyor systems to improve manufacturing efficiency. Notably, Bahrain's manufacturing sector saw a growth of 4.9% in 2022, while the UAE's manufacturing production increased by 8.7%, and Saudi Arabia's manufacturing activity surged by 18.5% in December 2022 compared to the previous year.

The push towards Industry 4.0 and government initiatives supporting automation are further fueling the market. For example, BFG International's collaboration with the Bahrain Economic Development Board and Bahrain's Labour Fund Tamkeen aims to promote Industry 4.0 initiatives, encouraging the adoption of automated solutions in factories. This trend is creating a robust demand for servo motors and drives, which are essential for the smooth operation of automated assembly lines, robotics, conveyors, and other machinery, ultimately reducing equipment downtime.

Strategic Insights

The Middle East and Africa servo motors and drives market can be analyzed through various segments, including components, product types, brake technologies, and industries.

1. **Component Segmentation:** The market is divided into controller modules, electronic amplifiers, sensors, encoders, and others. In 2024, the controller modules segment is expected to hold the largest market share.

2. **Product Type:** The market is bifurcated into servo motors and servo drives, with the servo motor segment anticipated to dominate the market share in 2024.

3. **Brake Technology:** The market is categorized into permanent magnet, spring, and other technologies, with the permanent magnet segment expected to lead in market share.

4. **Industry Segmentation:** The market is segmented into automotive and transportation, semiconductor and consumer electronics, food processing, textile, and other industries. The automotive and transportation sector is projected to hold the largest share in 2024.

Market Outlook

Servo motors and drives are integral to industrial automation, providing precise control

over motion in various applications, including assembly lines, packaging, sorting, and process control. These components are crucial for tasks requiring high precision, torque, and speed control, such as in CNC machines, conveyor systems, and robotic arms. The increasing implementation of automation solutions across industries is driving the demand for servo motors and drives, which enhance product quality and ensure worker safety in hazardous environments by reducing operational costs.

The robotics sector, in particular, has seen significant growth due to the shift towards automation, with industries deploying robots to perform dangerous and repetitive tasks. For instance, in 2023, Jenks and Cattell Engineering Limited invested approximately US\$ 2.53 million to introduce CNC machines aimed at automating industrial processes, highlighting the growing need for high-performance servo motors and drives.

Country Insights

The market is further analyzed by country, focusing on the UAE, Saudi Arabia, South Africa, and the Rest of Middle East and Africa. The UAE is expected to hold the largest market share in 2024, driven by its expanding manufacturing sector. According to a report from Emirates NBD Bank PJSC in October 2023, the value of manufacturing operations in the UAE is projected to reach US\$ 81.68 billion by 2031, supported by government initiatives aimed at enhancing the manufacturing landscape. The Ministry of Industry and Advanced Technology (MoIAT) has outlined a 10-year strategy to upgrade manufacturing sectors, which is expected to increase the demand for high-performance servo motors and precision drives as industries adopt smart manufacturing practices.

Competitive Landscape

Key players in the Middle East and Africa servo motors and drives market include ABB Ltd, Delta Electronics Inc, Fanuc Corp, Mitsubishi Electric Corp, Fuji Electric Co Ltd, Nidec Corp, Rockwell Automation Inc, Schneider Electric SE, Siemens AG, and Yaskawa Electric Corp. These companies are employing various strategies such as expansion, product innovation, and mergers and acquisitions to enhance their market presence and offer innovative solutions to consumers.

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