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# Servo Drives & Motors Market Forecasts to 2032 – Global Analysis By Product Type (Servo Motors, Servo Drives and Other Product Types), System Type, Voltage Range, Encoder Type, Control Type, Mounting, Communication Protocol, End User and By Geography

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## Abstracts

According to Stratistics MRC, the Global Servo Drives & Motors Market is accounted for $17.0 billion in 2025 and is expected to reach $28.6 billion by 2032 growing at a CAGR of 7.7% during the forecast period. Servo drives and motors are precision-controlled electromechanical systems used to regulate motion in automation and robotics. Servo motors convert electrical signals into precise mechanical movement, while servo drives manage power delivery and feedback loops to ensure accurate speed, position, and torque control. Together, they enable high-performance, closed-loop motion control in applications requiring dynamic responsiveness, repeatability, and synchronization. These systems are essential in CNC machinery, packaging, semiconductor fabrication, and other industries demanding exacting motion standards.

**Market Dynamics:**

Driver:

Rising adoption of robotics and CNC machinery

The increasing deployment of robotics and CNC systems across manufacturing, automotive, and packaging sectors is significantly driving demand for servo drives and motors. These components enable precise motion control, essential for automated

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tasks such as cutting, welding, and material handling. As industries transition toward smart factories and lean production, servo systems are becoming integral to achieving speed, accuracy, and repeatability. Moreover, the rise of collaborative robots and multi-axis CNC machines is expanding the scope of servo applications.

Restraint:

Requires skilled personnel and sophisticated infrastructure

The integration of servo drives into complex automation setups demands advanced infrastructure, including compatible controllers, feedback systems, and safety protocols. Small and medium enterprises may struggle with the capital and expertise needed to adopt these technologies. Additionally, training costs and downtime during system upgrades can hinder operational efficiency. These factors collectively slow adoption in cost-sensitive or resource-constrained environments.

Opportunity:

Demand for compact, application-specific servo solutions in medical devices

Devices such as robotic surgical tools, diagnostic imaging systems, and automated lab instruments require compact servo motors with low noise and high torque density. Innovations in brushless DC servo motors and integrated drive systems are enabling smoother operation and enhanced control in confined spaces. As healthcare providers invest in advanced technologies for patient care and diagnostics, servo solutions tailored for medical applications are gaining traction. This segment also benefits from rising R&D investments and regulatory approvals for robotic-assisted procedures.

Threat:

Competition from low-cost alternatives

The availability of cost-effective motion control solutions such as stepper motors and basic AC drives poses a threat to the servo market, especially in applications where precision is not critical. These alternatives offer sufficient performance for simple automation tasks at a fraction of the cost, making them attractive to budget-conscious buyers. Additionally, manufacturers in emerging markets often opt for low-cost systems to reduce capital expenditure. The commoditization of basic motion control technologies and the influx of generic products from low-cost regions further intensify price

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competition.

**Covid-19 Impact:**

The COVID-19 pandemic had a dual impact on the servo drives and motors market, disrupting supply chains while accelerating automation demand. Initial lockdowns led to delays in component sourcing and project execution, affecting production timelines. However, the crisis also underscored the need for resilient and contactless manufacturing, prompting industries to invest in automated systems, sectors such as pharmaceuticals, food processing, and logistics adopted servo-driven solutions to maintain throughput and hygiene standards.

The servo drives segment is expected to be the largest during the forecast period

The servo drives segment is expected to account for the largest market share during the forecast period due to their critical role in regulating motor performance, ensuring precise control of speed, torque, and position. Their integration with advanced controllers and feedback systems makes them indispensable in high-performance automation environments. The segment benefits from continuous improvements in drive intelligence, safety features, and multi-axis coordination.

The linear servo systems segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the linear servo systems segment is predicted to witness the highest growth rate driven by their application in semiconductor fabrication, packaging, and precision machining. These systems offer direct linear motion without mechanical conversion, enhancing accuracy and reducing wear. The trend toward compact, high-speed production lines is boosting demand for linear actuators and motors with integrated servo control.

**Region with largest share:**

During the forecast period, the North America region is expected to hold the largest market share attributed to its advanced manufacturing infrastructure and strong presence of automation vendors. The region’s emphasis on smart factories, coupled with high adoption of robotics in automotive and aerospace sectors, fuels servo demand. Strategic investments in industrial IoT and workforce training further reinforce its market position.

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**Region with highest CAGR:**

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR driven by rapid industrialization, expanding electronics manufacturing, and government-backed automation initiatives. Countries like China, India, South Korea, and Japan are investing heavily in smart production technologies. The region's cost-effective labor and rising demand for consumer electronics create fertile ground for servo system deployment.

**Key players in the market**

Some of the key players in Servo Drives & Motors Market include Siemens AG, Mitsubishi Electric Corporation, Rockwell Automation Inc., Schneider Electric SE, ABB Ltd., Yaskawa Electric Corporation, Panasonic Corporation, Delta Electronics Inc., Bosch Rexroth AG, Fanuc Corporation, Kollmorgen (Altra Industrial Motion), Omron Corporation, Parker Hannifin Corporation, Fuji Electric Co., Ltd., Nidec Corporation, Lenze SE, Oriental Motor Co., Ltd., Beckhoff Automation GmbH & Co. KG, Moog Inc., and TECO Electric & Machinery Co., Ltd.

**Key Developments:**

In October 2025, Rockwell Automation introduced over 30 new automation technologies at its flagship event in Chicago. The lineup includes advanced servo systems, AI-driven control platforms, and integrated motion solutions.

In June 2025, Mitsubishi Electric added EtherNet/IP and EtherCAT support to its MR-J5 servo amplifiers via firmware upgrade. This enables seamless network switching without hardware changes, enhancing flexibility and reducing setup costs.

In May 2025, Siemens unveiled its next-gen motion control system at Automate 2025, integrating SINAMICS servo drives with SIMOTICS motors and SIMATIC S7-1200 G2 controller. The system supports up to 31 PROFINET devices, offers SIL3 safety, and NFC-based configuration.

Product Types Covered:

Servo Motors

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Servo Drives

Other Product Types

System Types Covered:

Rotary Servo Systems

Linear Servo Systems

Voltage Ranges Covered:

Low Voltage ($le$ 1 kV)

Medium Voltage (1 kV %- %35 kV)

High Voltage ($>$ 35 kV)

Encoder Types Covered:

Incremental Encoders

Absolute Encoders

Resolver Feedback

Sensorless

Other Encoder Types

Control Types Covered:

Position Control

Velocity Control

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Torque Control

Coordinated Motion Control

Mountings Covered:

Flange-mounted

Hollow-shaft

Pancake

Integrated Motor-Drive Units

Other Mountings

Communication Protocols Covered:

EtherCAT

CANopen

Modbus

Other Communication Protocols

End Users Covered:

Automotive & EV Manufacturing

Packaging & Labeling

Healthcare & Medical Devices

Semiconductor & Electronics

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- Robotics & Automation
- Aerospace & Defense
- Oil & Gas
- Food & Beverage
- Textile Machinery
- Renewable Energy
- Other End Users

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe

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- Asia Pacific
  - Japan
  - China
  - India
  - Australia
  - New Zealand
  - South Korea
  - Rest of Asia Pacific
- South America
  - Argentina
  - Brazil
  - Chile
  - Rest of South America
- Middle East & Africa
  - Saudi Arabia
  - UAE
  - Qatar
  - South Africa
  - Rest of Middle East & Africa

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**What our report offers:**

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

**Free Customization Offerings:**

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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