

Motion Control Market - Forecasts from 2017 to 2022

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Abstracts

Motion Control Market is projected to witness the growth at a CAGR of 4.96% to reach US\$17.709 billion by 2022, increasing from US\$13.901 billion in 2017. Motion control systems are used in industrial processes to control the movement of a specific load. Open loop and closed loop are the two major techniques used extensively in motion control. The main components of this system include motion controller, prime mover, and energy amplifier. These systems are an important part of robotics and CNC machine tools and use pneumatic, hydraulic, or electromechanical prime mover technology. Various industry verticals such as aerospace and defense, automotive, and semiconductor and electronics among others use motion control systems to control the acceleration, deceleration, and speed of the moving part of a machine.

Increasing investment in automation solutions across end-user industries combined with expanding production base globally is the primary factor driving the motion control market over the next five years. Moreover, the need for power efficient solutions and high-level security is also anticipated to contribute to the growing demand for these systems across the globe. However, high initial investment and economic fluctuation can hinder the market growth to an extent during the forecast period. Unstable oil prices and a slump in developing economies can affect the planned investments in the industrial sector. Factors like burgeoning need to increase the productivity and flexibility of the industrial plant are augmenting the need for combining automation and motion control products which, in turn, is further driving the motion control market.

By Application

By application, packaging segment held significant market share, in terms of value, in 2016. Owing to the growing food and beverage and pharmaceuticals industry, there has been an increasing demand for various packaging applications like sealing, labeling, case packing, bundling, and indexing table of products among others. Motion controllers

and drives help to ensure the precise tension and position control while packaging products. Material handling segment will witness the fastest growth at the highest CAGR during the forecast period owing to growing 3PL industry, majorly due to increasing online retailing worldwide.

By Geography

Geographically, North America will lead the global Motion Control market throughout the forecast period due to the presence of a large number of global key players in the region, high investment in R&D activities, and early adoption of technology across various end-use industries in the region. Asia Pacific is projected to witness the fastest regional market growth between 2017 and 2022 due to rapid industrialization and rising manufacturing activities in emerging economies such as China and India. Increasing demand for smartphones, tablets, wearables, and other consumer electronics will propel the growth of motion control market for various applications. Moreover, increasing adoption of automation across various industries will further boost the demand for motion controllers and drives in the region during the forecast period.

Competitive Insights

Prominent key market players in Motion Control market include ABB, Siemens, Schneider Electric, Eaton Corporation, Rockwell Automation, and Parker Hannifin among others. The Global Motion Control industry is competitive owing to the presence of a large number of global market players. The industry faces fragmented customer base owing to the rising adoption of motion controllers and drives across different industry verticals. In October 2016, Rockwell Automation acquired MAVERICK Technologies, a leading provider of system integration, industrial automation, and process control services in manufacturing industries, in order to deliver innovative control and information solutions to its customers.

Segmentation

In this report, Motion Control market is segmented by component, application, industry vertical, and geography:

By Component

AC Drives

Actuators

Motion Controller
Electronic Drives
Others

By Application

Packaging
Assembly/Disassembly
Material Handling
Metal Fabrication
Others

By Industry Vertical

Automotive
Aerospace and Defense
Electronics
Packaging
Manufacturing
Others

By Geography

Americas
North America
U.S.
Canada
Mexico
Others
South America
Brazil
Argentina
Others
Europe Middle East and Africa
Europe
UK
Germany
France
Others

Middle East and Africa

Saudi Arabia

UAE

Others

Asia Pacific

Japan

China

India

South Korea

Others

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