Motion Control Global Market - Research Methodology, Market Dynamics, Geographic Outlook, Segmentation and Forecast 2022

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PUNE, INDIA, February 23, 2017 /EINPresswire.com/ -- 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.

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Market Outlook

The increased 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 six 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. Unstable oil prices and a slump in developing economies can affect the planned investments in the industrial sector. Factors like growing need to increase the productivity and flexibility of the plant augments the need of combining automation and motion control products which, in turn, further drives the motion control market.

Geographic Outlook

Asia Pacific accounted for the largest share of the global motion control systems market in the year 2015 and is expected to witness an upward trend during the forecasted period. Rapid industrialization and growing need to expand productivity in the emerging economies like India and China is driving the need for motion control systems in various end-user industries. Government initiatives such as “Make in India”, “Make in China 2025” and “Infrastructure-with Japan” among others have increased the focus on industrial robots and CNC machine tools. Moreover, increasing demand for the energy-efficient production coupled with the need for intelligent systems is propelling the growth of the motion control market in the APAC region

Research Methodology

Firstly, the report provides a brief introduction of the market and deals with detailed research methodology for calculating market size and forecasts, secondary data sources used and the primary inputs which were taken for data validation. This section also outlines various segmentations which have been covered as part of the report.

Market Dynamics

Next, the section provides comprehensive market dynamics through an overview section along with growth drivers, challenges, and opportunities which exist in the current market. This section of the report also provides supplier and industry outlook as a whole; key industry, global and regional regulations which are determining the market growth and a brief technological aspect of Motion Control Market. Complete industry analysis has also been covered by Porter's five forces model as a part of this report section.

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Segmentation

Motion Control Market has been segmented on the basis of component, application, and geography as follows:

By Component
AC drives
Actuator
Motion Controller
Electronic drives
Others
By Industry Verticals
Automotive
Aerospace and Defense
Electronics
Packaging
Manufacturing
Others
By Geography
Americas
North America
South America
Europe Middle East and Africa
Europe
Middle East and Africa
Asia Pacific

Market Players

Finally, competitive intelligence section deals with major players in the market, their market shares, growth strategies, products, financials, and recent investments among others. Key industry players profiled as part of this section are ABB, Siemens, Altra Industrial Motion Corporation, Schneider Electric, Parker Hannifin, Yaskawa Electric, and Rockwell Automation.
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