

Global Linear Motion Systems Market Research Report 2021-2025

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Abstracts

Linear motion system is a device used for motion of a component in XY direction. This is used in packaging and machine tools, palletizing, robotics, and material handling equipment. Linear motion systems consist of linear rail, rail tables, guides, actuators, sliders, which help the manufacturing facility to continuously transfer products in a conveyor belt, or push it across for packaging.

The global Linear Motion Systems market was estimated at USD\$ 5.49 billion in 2016, and is anticipated to reach USD\$ 7.92 billion by 2021, expanding at a CAGR of 7.6% between 2017 and 2021. One of the major drivers for this market is increasing revenue from replacement activities. Linear motion systems are subject to constant movement along the X or Y-axis or both in industrial applications. Consistent usage of these products results in wear and tear of the linear motion systems, generating the need for frequent maintenance and replacement activities.

The latest trend gaining momentum in the market is integrated linear motion systems. Linear motors are evolving toward a high level of intelligence and integration with the addition of position feedback-enabled devices, enabling accurate tracking of exact location and speed. These integrated systems are also equipped with better connectivity that allows sending data to supervisory control and data acquisition or enterprise networks. The transferred data can be utilized for analyzing various aspects ranging from process control to business analytics.

Machine tools require motion systems for the movability they provide. Systems like linear guideways and guideways provided precise movement for machine tools and cutting tools. The coefficient of friction on linear guideways is 1/50th compared to a traditional slide guide, providing faster movement and increased production. Lastly,

robotic systems are increasing areas of industrial automation. Robots, especially collaborative robotic systems, are being integrated more into the industrial work space alongside human workers. Linear motion systems provide ease of relocation and movement of robotic units so that the mechanical process can be performed in more than one area.

APAC held the major shares of the linear motion systems market during 2016. Owing to the rapid industrial development across countries such as China, India, South Korea, Indonesia, and Taiwan, the linear motion systems market will post impressive growth in the coming years. Additionally, the growth of the automation segment will also fuel the demand for linear motion systems in this region.

Linear Motion Systems Report by Material, and Geography – Global Forecast to 2025 is a professional and comprehensive research report on the world's major regional market conditions, focusing on the main regions (North America, Europe and Asia-Pacific) and the main countries (United States, Germany, United Kingdom, Japan, South Korea and China).

The report firstly introduced the Linear Motion Systems basics: definitions, classifications, applications and market overview; product specifications; manufacturing processes; cost structures, raw materials and so on. Then it analyzed the world's main region market conditions, including the product price, profit, capacity, production, supply, demand and market growth rate and forecast etc. In the end, the report introduced new project SWOT analysis, investment feasibility analysis, and investment return analysis.

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