

Global Linear Motion Systems Market Size study & Forecast, by Component (Linear Guide, Actuator, Ball Screws, Linear Motors) by Industry (Medical and Pharmaceuticals, Semiconductors and Electronics, Aerospace, Food and Beverages, Machining Tools, Automotive, Others) and Regional Analysis, 2022-2029

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Abstracts

Global Linear Motion Systems Market is valued at approximately USD 4.0 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 2.94% over the forecast period 2022-2029. A one-dimensional motion in a single direction is referred to as linear motion, and it involves an item moving within the same line without changing direction. Fast-performance linear motion components have small dimensions, great speed, and high precision. They also function in severe environments. Linear motion components include linear guides, track, actuators, motors, controllers, and precision ball screws that offers optimal travel performance etc.

The primary element fueling the market's expansion is the rising demand for linear motion systems in the automobile industry as a result of improvements in manufacturing techniques. Another factor driving market expansion is the growing demand for electrical device miniaturization in the semiconductor industry. The analysis of the global linear motion system market includes a thorough evaluation of the market. Manufacturing businesses, particularly those in the pharmaceutical, food and beverage, automotive, electronics, and semiconductor sectors, place a high priority on product quality. The quality control department is a crucial part of every manufacturing facility. In all industries, there is a growing desire for tighter regulation of the production of goods and the provision of services, which drives the demand for automation and quality control. Growing reliance on automotive linear motion machinery may provide a demand

concern since even a little machine malfunction might result in a complete system failure. By employing skilled people, these failures may be minimized. However, due to the high installation costs for low-volume manufacturing, market growth is constrained from 2022 to 2029.

The key regions considered for the Global Linear Motion Systems Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia Pacific fastest growing region. In order to attain high manufacturing capacity and investment return in APAC, there is an increase in industrial activity and a need for faster and more precise liner motion products. The linear motion market is expanding as a result of rising demand for automated systems and energy-efficient production methods.

Major market player included in this report are:

Schaeffler Technologies AG & Co. KG

Nippon Thompson Co., Ltd. (IKO)

HIWIN Corp.

THK Co., Ltd.

NSK Ltd.

Robert Bosch GmbH

Rockwell Automation Inc.

The Timken Company

Fortive

HepcoMotion.

Recent Developments in the Market:

In May 2020, the iTRAK 5730 small-frame intelligent track system from Rockwell Automation Inc. uses independent cart technology to support intelligent, adaptable, and effective machines. It includes both linear and rotational motion. Compared to conventional gear, chain, and conveyor belts, independent cart technology has many advantages, such as limitless machine flexibility, improved traceability, and higher uptime.

In June 2021, Through the Roll-on brand, Timken Company debuted freshly updated SC actuators. The goods are updated in terms of design and functionality to meet the goals of the designer, who wants to improve performance, streamline the undertaking, and satisfy the demands of various applications. The SC series of actuators' new vertical variants were launched.

In October 2022, Ball screw for Next-Generation Elevated Machine Tools were announced by NSK Ltd. These ball screws provide a higher standard of surface polish for elevated mechanical equipment used in die and mould machining and other purposes.

Global Linear Motion Systems Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Component, Industry and region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Components:

Linear Guide

Actuator

Ball Screws

Linear Motors

By Industry:

Medical and Pharmaceuticals

Semiconductors and Electronics

Aerospace

Food and Beverages

Machining Tools

Automotive

Others

By Region:

North America

U.S.

Canada
Europe
UK
Germany
France
Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

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