

Global Linear Motion Technology Market Growth (Status and Outlook) 2024-2030

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Abstracts

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According to this study, the global Linear Motion Technology market size will reach US\$ 685 million by 2030.

A basic linear motion system integrates a power component, such as a motor; a thrust mechanism, such as an actuator; and a guidance infrastructure, such as a rail. Unlike a traditional motor which creates a rotating movement, linear motion technologies created a linear forward and backward motion.

The evolving technology in linear motion systems allows the products to have applicability in product selection and sizing, automated ordering and delivering, commissioning, operations, and service and maintenance. Industrial Internet of Things (IIoT) and Industry 4.0 still drive linear shaft designs, especially in the feedback devices used to close the servo loops. These devices, coupled with intelligent controllers, provide a wide array of data on motor health to upstream systems and crucial information about the mechanical elements that make up the machine axes. Smart products and customized solutions are pivotal in linear motion by adding onboard intelligence to the products. Future trends also include continued innovation on improved magnetics, size reduction, robust and lower-cost feedback elements, and a large variety of sealing options for different market requirements. Such factors create lucrative opportunities for the linear motion system.

This report presents a comprehensive overview, market shares, and growth opportunities of Linear Motion Technology market by product type, application, key players and key regions and countries.

Segmentation by product type:

Engineering Tools

Engineering Configurators

Engineering System

Segmentation by Application:

Automotive

Medical

Electronics and Semiconductors

Food

Other

This report also splits the market by region:

United States

China

Europe

Other regions:

Japan

South Korea

Southeast Asia

Rest of world

The report also presents the market competition landscape and a corresponding detailed analysis of the major players in the market. The key players covered in this report:

Bosch Rexroth

Schunk GmbH & Co. KG

Nadella

Ewellix

Hiwin

FUYU Technology

MiniTec Automation

Igus

THK

ToyoRobot

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