

Linear Actuator Market Expected to Witness Sustainable Growth Over 2032

Linear Actuator Market Expected to Reach \$31.2 Billion by 2032—Allied Market Research

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-- The [linear actuator market](#) is anticipated to grow steadily, primarily driven by the increasing integration of automation in smart homes and offices, which demand precise and efficient motion control. A major restraint is the rapid technological

obsolescence in this fast-evolving sector, which poses a challenge for both manufacturers and consumers. However, there's a significant opportunity for growth through innovations, like the adoption of brushless DC motors, which offer enhanced efficiency and longevity, catering to evolving demands in various industries. Allied Market Research published an exclusive report, titled, "Linear Actuator Market By Operation Mechanism (Electric, Pneumatic, Hydraulic, and Others), and End-Use Industry (Automotive, Construction, Energy and Mining, Healthcare, and Others): Global Opportunity Analysis and Industry Forecast, 2023-2032". The global linear actuator market was valued at \$17.4 billion in 2022 and is projected to reach \$31.2 billion by 2032, growing at a CAGR of 6.1%

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The leading application of the linear actuator market is in the field of automotive.”

Allied Market Research

from 2023 to 2032.

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The linear actuator is a device that creates motion in a straight line. It transfers energy, which can be in any of the different forms like electricity, propulsion, or pneumatics, into a linear motion. This motion is typically used to push or pull something, lift or lower loads, or position them with high precision.

Linear actuators offer several advantages. They provide precise control over movement, can



Linear Actuator Market Size

maintain a position with power off, and can be designed for high force and long-life operation. It may be used in several industries, from machines that function valves or gates to purchasing digital goods which includes alter desks and automatic window openers.

Innovation is maintained in linear actuators, which is aimed at enhancing performance, reducing length, and integrating more advanced functions including sensors for comments and Internet of Things connectivity. These advances have enabled linear actuators to be extra adaptable, green, and capable of characteristic in quite a few environments.

The growth in the integration of linear actuators in smart homes and office systems is a key factor fueling the growth of the linear actuator market. The role of linear actuators becomes more crucial in facilitating these automatic adjustments as the shift toward automated and intelligent environments intensifies. They are utilized in a range of functions, including the movement of windows, doors, and adjustable ergonomic furniture, all aimed at improving comfort, convenience, and energy efficiency. The versatility and exactness provided by linear actuators make them perfectly suited for such tasks, with their ability to be remotely controlled and customized for specific operations. Consequently, the escalating demand for intelligent, automated solutions in residential and commercial spaces is a major contributor to the expansion of the market for linear actuators, driven by the need for precise and dependable motion control systems.

However, technological obsolescence, due to rapid technological advancements, is a significant restraint for the linear actuator market. Linear actuators can become outdated in a short period as technology evolves quickly. For example, a linear actuator developed with current technology might soon be outclassed by a newer model with enhanced efficiency, precision, or integration capabilities. The rapid pace of innovation will make it difficult for consumers to invest in the current models because they are afraid that their investments may soon be outdated. Given the need to continuously innovate and update products for them to compete, manufacturers are also facing a challenge that requires significant long-term investment. This pressure on the market to keep pace with technological developments could hinder growth if both manufacturers and consumers are forced to face changes that have implications for the longevity and relevance of linear actuator technologies.

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The Linear Actuator industry's key players adopt various strategies such as product launch, product development, collaboration, partnership, and agreements to influence the market. It includes details about the key players in the market's strengths, product portfolio, market size and share analysis, operational results, and market positioning.

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- Kollmorgen Corporation
- Thomson Industries, Inc.
- Tolomatic, Inc.
- HepcoMotion Ltd.
- Emerson Electric Co.
- Rockwell Automation Inc.
- Bosch Rexroth AG
- Parker Hannifin Corporation
- LINAK
- Oriental Motor Co., Ltd.

Innovations in actuator technology present a significant opportunity in the linear actuator market, as developing new, more efficient, and cost-effective technologies can greatly enhance product offerings. For instance, the introduction of brushless DC motors in linear actuators represents such an innovation. These motors offer higher efficiency, lower maintenance requirements, and longer lifespans compared to traditional brushed motors. In applications such as solar panel tracking systems, these innovative actuators ensure more reliable and energy-efficient operation, reducing overall costs and improving system performance. The linear actuator market is expected to meet evolving demands with more sustainable and effective solutions, driving growth and competitiveness in various industrial sectors by embracing such advancements.

The most important role in industrial automation systems is played by the actuator linear technology. These actuator linear devices are known for their precise and controlled linear movements, which make them indispensable in applications such as production equipment or robotics. Unprecedented reliability is offered by the actuator linear systems, which ensure safe and efficient operation in different sectors to further improve productivity.

Linear actuator market sizes continued to expand, in line with the rapid [linear actuator market growth](#) of a strong and increasing linear actuator market demand for these devices from different industrial sectors. Companies are actively competing for a larger linear actuator market share through their use of emerging linear actuator market trends on the market, as demonstrated by our recent linear actuator market analysis of the market. The integration of innovative technologies and features into linear actuators is a notable [linear actuator market trend](#), enhancing their appeal and functionality. With the continued automation of industrial processes and the growing need for precision control, the linear actuator market is poised for sustained growth in the foreseeable future.

The linear actuator market is segmented based on operation mechanism, end-use industry, and region. By operation mechanism, the market is divided into electric linear actuators, pneumatic linear actuators, hydraulic linear actuators, and others. Based on the end-use industry, the

market is fragmented into automotive, construction, energy and mining, healthcare, and others. Based on region, the market is analyzed across North America (the U.S., Canada, and Mexico), Europe (the UK, Germany, France, and the rest of Europe), Asia-Pacific (China, Japan, India, South Korea, and rest of Asia-Pacific) and LAMEA (Latin America, Middle East, and Africa).

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- In terms of operation mechanism, the electric segment was the highest revenue contributor in the market, with \$7,319.44 million in 2022, and is estimated to reach \$14,162.07 million by 2032, with a CAGR of 6.88%.

- By end-use industry, the automotive segment was the highest revenue contributor in the market, with \$5,612.17 million in 2022, and is estimated to reach \$10,894.57 million by 2032, with a CAGR of 6.92%.

- By region, Asia-Pacific was the highest revenue contributor, accounting for \$6,239.75 million in 2022, and is estimated to reach \$12,186.61 million by 2032, with a CAGR of 6.98%.

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