

Screw Jacks Market Projected to Reach US\$ 490.0 Mn by 2033 – Persistence Market Research

Market growth is driven by rising automation and increasing demand for precise lifting solutions.

LONDON, UNITED KINGDOM, March 4, 2026 /EINPresswire.com/ -- The global [screw jacks market](#) is experiencing steady growth as industries increasingly adopt reliable mechanical actuation systems for lifting, positioning, and load-handling applications. Screw jacks are widely used across manufacturing, construction, material handling, and heavy engineering sectors due to their precision, durability, and ability to handle heavy loads with stability. The global screw jacks market size is projected to be valued at US\$ 317.0 million in 2026 and is expected to reach approximately US\$ 490.0 million by 2033, growing at a CAGR of 5.5% during the forecast period from 2026 to 2033. The demand for screw jack systems is rising as industries focus on improving operational efficiency and implementing accurate mechanical positioning systems in automated environments.



Market expansion is gaining momentum as manufacturing industries accelerate automation and upgrade legacy machinery with precise mechanical positioning systems. Infrastructure development across emerging economies is also increasing demand for controlled lifting and load-handling equipment. Industrial operators are adopting screw jacks to achieve accurate linear motion, synchronized lifting, and stable load distribution in production lines and heavy engineering environments. Machine screw jacks represent a leading segment due to their widespread use in industrial machinery, while Asia Pacific is emerging as the leading region driven by rapid industrialization, expanding infrastructure projects, and growing investments in manufacturing automation.

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Key Highlights from the Report

- The screw jacks market is projected to reach US\$ 490.0 million by 2033 at a CAGR of 5.5%.
- Increasing industrial automation is a major factor driving market demand.
- Machine screw jacks remain the most widely used product type.
- Manufacturing industries account for a significant share of market demand.
- Asia Pacific leads the market due to rapid industrial expansion.
- Infrastructure development is boosting demand for lifting solutions.

Market Segmentation

The screw jacks market can be segmented based on product type, capacity, application, and end-use industry. By product type, the market includes machine screw jacks, ball screw jacks, and bevel gear screw jacks. Machine screw jacks are commonly used due to their simple design, durability, and cost-effectiveness. These screw jacks are ideal for applications requiring moderate speed and high load capacity. Ball screw jacks, on the other hand, are designed for higher efficiency and faster operation, making them suitable for automated systems and precision applications.

Based on capacity, screw jacks are available in a wide range of load capacities, from light-duty applications to heavy-duty industrial operations. Heavy-duty screw jacks are widely used in construction and heavy machinery, where high load-bearing capacity is essential.

By application, the market includes lifting, positioning, tensioning, and testing applications. Lifting applications dominate the market as screw jacks are extensively used in industrial environments for raising and lowering heavy equipment. Positioning applications are also growing rapidly due to the increasing demand for precise linear motion in automated production systems. T

End-use industries for screw jacks include manufacturing, construction, automotive, aerospace, energy, and material handling. The manufacturing sector accounts for a significant share of the market due to the widespread use of screw jacks in assembly lines and production equipment.

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Regional Insights

Asia Pacific dominates the screw jacks market due to rapid industrialization and expanding manufacturing activities in countries such as China, India, and Southeast Asian nations. Governments in these regions are investing heavily in infrastructure development, which is increasing the demand for lifting and positioning equipment.

North America represents a mature market driven by technological advancements and the presence of well-established manufacturing industries. Companies in the region are investing in automation and modernization projects to improve productivity and operational efficiency. This trend is driving demand for advanced screw jack systems in industrial applications.

Europe also holds a significant share of the market due to strong industrial infrastructure and the presence of leading machinery manufacturers. Increasing emphasis on workplace safety and equipment reliability is encouraging the adoption of high-quality screw jacks in industrial applications. The region's focus on precision engineering and automation further supports market growth.

Market Drivers

The primary driver of the screw jacks market is the growing adoption of industrial automation across manufacturing sectors. Industries are increasingly relying on automated systems to improve efficiency and reduce operational errors. Screw jacks play a critical role in these systems by providing precise linear motion and stable load handling. The modernization of industrial machinery is also contributing to market growth, as older equipment is being replaced with advanced systems that require accurate positioning capabilities.

Market Restraints

Despite steady growth, the screw jacks market faces certain challenges that may limit expansion. One of the primary restraints is the availability of alternative technologies such as hydraulic and pneumatic lifting systems. These alternatives can offer faster operation and higher efficiency in certain applications, making them attractive options for industrial users. Additionally, screw jacks require regular maintenance to ensure optimal performance, which can increase operational costs.

Market Opportunities

The increasing adoption of smart manufacturing technologies presents significant opportunities for the screw jacks market. The integration of screw jacks with automated control systems is enabling more precise and efficient operations. Emerging economies investing in industrial infrastructure are also creating new growth opportunities for market players.

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Company Insights

- Joyce/Dayton Corp.
- Duff-Norton
- Nook Industries

- Thomson Industries
- Power Jacks Ltd.
- ZIMM Group
- Lim-Tec
- NEFF Gewindetriebe GmbH
- Enzfelder GmbH
- Kelvin Power Transmission

Recent developments in the market include the introduction of advanced screw jack systems designed for synchronized lifting applications in automated environments. Companies are also focusing on developing compact and high-load-capacity screw jacks to meet the evolving needs of modern industrial systems.

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[Europe HVAC System Market](#): The Europe HVAC system market is projected to grow from US\$ 43.4 billion in 2026 to US\$ 62.3 billion by 2033, at a 5.3% CAGR.

[Expansion Joints Market](#): The expansion joints market is projected to grow from US\$ 1,285.1 million in 2026 to US\$ 1,695.1 million by 2033, at a 4.0% CAGR.

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