

Truck Landing Gear Market Forecasts to 2032 – Global Analysis By Type (Manual Landing Gear, Automatic Landing Gear, and Other Types), Operation, Lifting Capacity, Sales Channel, End User and By Geography

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Abstracts

According to Statistics MRC, the Global Truck Landing Gear Market is accounted for \$1.28 billion in 2025 and is expected to reach \$2.06 billion by 2032 growing at a CAGR of 7.0% during the forecast period. Truck landing gear is a set of retractable support legs fitted to semi-trailers, designed to hold and stabilize the trailer when it's detached from the tractor. Operated manually or with a motor, it carries the front-end load, preventing the trailer from tipping. The system, typically comprising two legs and a crank mechanism, ensures secure positioning during parking, storage, loading, unloading, or maintenance in freight operations.

According to the U.S. Department of Transportation, freight shipments are expected to rise by 40% by 2045, highlighting the importance of reliable landing gear systems to support this growing demand.

Market Dynamics:

Driver:

Rising demand for lightweight and durable landing gear systems

Manufacturers are integrating advanced materials such as aluminum alloys and composite polymers to reduce overall weight without compromising durability. This shift is driven by fleet operators seeking to optimize vehicle performance and reduce operational costs. Innovations in corrosion-resistant coatings and modular gear designs

are improving product longevity and ease of maintenance. Additionally, regulatory pressure to lower emissions is encouraging adoption of weight-reducing technologies across commercial transport fleets. As sustainability and performance converge, lightweight landing gear is becoming a strategic priority for OEMs and aftermarket suppliers alike.

Restraint:

Fluctuations in raw material prices

Volatile pricing of key raw materials such as steel, aluminum, and specialty alloys poses a significant challenge to truck landing gear manufacturers. These fluctuations impact production planning and margin stability, especially for small and mid-sized suppliers. The reliance on global supply chains for metal procurement makes the industry vulnerable to geopolitical tensions and trade disruptions. Advanced manufacturing techniques like precision forging and CNC machining require consistent material quality, which can be difficult to maintain during price swings. Moreover, the cost of integrating lightweight composites and high-performance polymers remains high, limiting their widespread adoption. As a result, unpredictable input costs continue to constrain scalability and price competitiveness in the market.

Opportunity:

Advancements in smart landing gear with IoT integration

Emerging technologies are unlocking new opportunities in smart landing gear systems equipped with IoT sensors and real-time diagnostics. These intelligent systems can monitor load distribution, wear patterns, and operational stress, enabling predictive maintenance and reducing downtime. Fleet managers are increasingly adopting telematics-enabled gear to improve safety and optimize asset utilization. Integration with cloud platforms and mobile apps allows remote monitoring and alerts, enhancing responsiveness and operational control. The rise of connected logistics and smart trailers is accelerating demand for digitally enhanced landing gear solutions. As IoT adoption grows across commercial transport, smart gear systems are poised to become a key differentiator in fleet modernization strategies.

Threat:

Intense competition from local and global players

The market faces stiff competition from both established global manufacturers and agile regional players. Global brands benefit from scale, distribution networks, and R&D capabilities, while local firms often compete on price and customization. Rapid innovation cycles and aggressive pricing strategies are intensifying pressure on margins and brand loyalty. Emerging players are leveraging digital platforms and e-commerce channels to penetrate new markets and disrupt traditional sales models. Additionally, counterfeit and low-quality products pose a threat to brand reputation and safety standards.

Covid-19 Impact

The COVID-19 pandemic temporarily disrupted the truck landing gear market due to supply chain bottlenecks and manufacturing slowdowns. Lockdowns and transport restrictions delayed component sourcing and assembly operations, especially in regions dependent on imported materials. However, the crisis also accelerated digital transformation and automation in production facilities, improving long-term resilience. Demand rebounded as freight activity surged post-lockdown, driven by e-commerce growth and essential goods transport. Manufacturers adopted remote diagnostics and virtual support tools to maintain service continuity.

The manual landing gear segment is expected to be the largest during the forecast period

The manual landing gear segment is expected to account for the largest market share during the forecast period, due to its cost-effectiveness and mechanical simplicity. These systems are widely preferred in standard freight trailers and regional haul applications where automation is not critical. Manufacturers are enhancing manual gear designs with ergonomic handles, improved load-bearing capacity, and corrosion-resistant finishes. Despite the rise of automation, manual systems remain popular in emerging markets due to lower maintenance and repair costs. Technological upgrades are also making manual gear more user-friendly and durable under harsh operating conditions. As a result, this segment continues to hold a strong foothold across diverse trailer categories.

The refrigerated trailers segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the refrigerated trailers segment is predicted to witness the

highest growth rate, driven by rising demand for temperature-controlled logistics. Growth in pharmaceutical, food, and perishable goods transport is fueling adoption of advanced landing gear systems tailored for cold chain operations. These trailers require robust gear capable of withstanding frequent loading cycles and varying environmental conditions. Manufacturers are introducing gear with enhanced sealing, anti-freeze coatings, and vibration resistance to meet these needs. The integration of smart sensors for trailer health monitoring is gaining traction in this segment. As cold chain logistics expand globally, refrigerated trailers are emerging as a high-growth niche for landing gear innovation.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share supported by rapid industrialization and infrastructure development. Countries like China, India, and Japan are witnessing strong growth in commercial vehicle production and freight movement. Government initiatives promoting logistics modernization and emission reduction are boosting demand for advanced trailer components. Local manufacturers are scaling up production with cost-effective technologies and regional customization. The region's large consumer base and expanding e-commerce sector are driving trailer fleet expansion.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, propelled by technological innovation and fleet electrification trends. The region's focus on smart logistics and sustainability is encouraging adoption of IoT-enabled gear and lightweight materials. Regulatory mandates on trailer safety and emissions are pushing manufacturers toward advanced engineering solutions. E-commerce growth and last-mile delivery expansion are increasing trailer utilization, driving demand for durable and intelligent gear systems. Strategic investments in automation and predictive maintenance are reshaping fleet management practices. With its strong innovation ecosystem and high purchasing power, North America is emerging as a key growth engine for next-gen landing gear solutions.

Key players in the market

Some of the key players profiled in the Truck Landing Gear Market include JOST Werke AG, Utility Trailer Manufacturing Company, SAF?HOLLAND S.A., Loadmaster Trailers, Inc., BPW Bergische Achsen KG, Prime Steel Co., Ltd., Guangdong Fuwa Engineering

Group Co., Ltd., Fontaine Fifth Wheel, Hendrickson International, H.D. Trailers Pvt. Ltd., Holland LP, Butler Products Corp., Zhenjiang Baohua Semi-Trailer Parts Co., Ltd., AXN Heavy Duty, LLC, and Yangzhou Tongyi Machinery Co., Ltd.

Key Developments:

In August 2025, JOST Werke SE has signed an agreement to sell the non-core cranes business acquired with the Hyva Group to Private Equity Investor Mutares SE & Co. KGaA. In connection with the recent acquisition of Hyva, JOST reviewed the entire Hyva portfolio and identified the cranes business as non-core for JOST's growth strategy.

In January 2025, Utility Trailer Manufacturing Company, LLC announced that Utility Trailer of California has acquired TNT Trailer Sales in Troutdale, Oregon. The newly acquired dealer will now operate under the name Pacific Coast Utility Trailer. Allan Brown will remain with the company as Vice President of Operations and General Manager, while his business partner Chris McMullin will serve as Director of Business Development.

Types Covered:

Manual Landing Gear

Automatic Landing Gear

Other Types

Operations Covered:

Single Speed

Two Speed

Lifting Capacities Covered:

Less than 20,000 lbs

20,000 lbs to 50,000 lbs

More than 50,000 lbs

Sales Channels Covered:

Original Equipment Manufacturer (OEM)

Aftermarket

End Users Covered:

Dry Van Trailers

Tanker Trailers

Flatbed Trailers

Refrigerated Trailers

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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