

# Pneumatic Tire Forklifts Market - Forecast from 2026 to 2031

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## Abstracts

Pneumatic Tire Forklifts Market, sustaining a 4.17% CAGR, is anticipated to rise from USD 2.397 billion in 2025 to USD 3.063 billion in 2031.

Pneumatic tire forklifts employ air-filled tires akin to those on automobiles or trucks, enabling superior shock absorption on uneven surfaces and delivering a stable, smooth operation. Predominantly deployed in outdoor environments, these versatile machines offer lift capacities spanning 3,000 to 125,000 pounds, serving critical roles in industries such as lumber yards, home centers, building materials supply, warehousing, and construction. Market expansion has been supported by the proliferation of logistics centers and continual technological enhancements in forklift design and functionality.

Key drivers encompass substantial investments in warehouse construction, which amplify the need for robust material handling solutions. As storage infrastructure expands to accommodate rising goods volumes, pneumatic tire forklifts become indispensable for efficient intra-facility transport and load management. For instance, in December 2023, WSB Real Estate Partners announced plans to invest over Rs. 1,200 crores over the subsequent two years to develop approximately 4 million square feet of warehouse assets across India.

Technological advancements further propel market growth. Integration of automation, connectivity, advanced sensors, cameras, and telematics enables seamless interaction with warehouse management systems, optimizing workload allocation, enhancing productivity, and bolstering safety through features like self-navigation, load sensing, and collision avoidance. These innovations have spurred greater adoption rates among operators seeking operational excellence.

The Asia Pacific region is positioned for significant market share gains, underpinned by escalating warehouse investments and the establishment of new logistics facilities by major players. In December 2023, Manitou Group inaugurated a new spare parts logistics center in Greater Noida, India, aligning with its strategy to expand production and distribution capabilities in the region. Additionally, in April 2023, Bollore Logistics officially launched K-HUB, its advanced logistics center in South Korea, strategically located to serve the Seoul metropolitan area and broader national demands.

A primary market restraint involves elevated costs relative to alternative forklift types. The sophisticated engineering required for pneumatic tires and associated durability features often results in higher upfront pricing, prompting cost-conscious buyers—particularly those whose applications do not demand rough-terrain performance—to select simpler, less expensive options like cushion or solid tire models. This price sensitivity can constrain penetration in certain sectors and operational scales.

In market developments, Toyota Material Handling introduced a new series of 48V and 80V electric pneumatic forklifts in September 2023. Engineered for resilience in outdoor settings and diverse weather conditions, this lineup targets retail-oriented applications including lumberyards, home centers, landscaping, and store support, combining eco-friendly electric power with pneumatic tire ruggedness.

Prominent company products highlight specialized capabilities in the pneumatic segment. Toyota's Core IC Pneumatic Forklift stands as a premier choice for most outdoor tasks, equipped with high-performance pneumatic tires for exceptional traction and comfort on irregular terrain. It delivers load capacities of 3,000–6,500 lbs and loaded travel speeds of 10.9–11.5 mph.

Hyster-Yale Group's H30A Counterbalance Internal Combustion Pneumatic Forklift incorporates a maintenance-free Dynamic Stability System (DSS) that monitors conditions in real-time, alerts operators to best practices, and automatically limits functions to prevent tip-overs. Powered by a Yanmar 2.2L engine, it supports a 3,000 lb capacity.

Doosan's D(G)18S-5 model is built for demanding heavy-duty scenarios in manufacturing, warehousing, outdoor storage, and material handling, excelling on challenging terrain. It features a 1,750 kg load capacity, a minimum turning radius of 2,022 mm, and peak torque of 15.9 kg·m (156 N·m) at 1,600 rpm.

Crown Equipment Corporation's C-5 1050 LPG, part of the internal combustion C-5 Series, utilizes pneumatic tires (including super-elastic variants for rough surfaces) for versatile indoor-outdoor performance. Powered by a 2.4-liter LPG engine, it handles loads from 4,000 to 6,500 pounds and achieves maximum lift heights of 294 inches with a quad mast.

The pneumatic tire forklifts market is advancing through infrastructure growth, technological integration, and product innovation, particularly in Asia Pacific, despite cost barriers. Emphasis on electric models, safety systems, and terrain adaptability positions these forklifts as vital for enhancing efficiency in outdoor-heavy material handling operations across diverse industries.

#### Key Benefits of this Report:

**Insightful Analysis:** Gain detailed market insights covering major as well as emerging geographical regions, focusing on customer segments, government policies and socio-economic factors, consumer preferences, industry verticals, and other sub-segments.

**Competitive Landscape:** Understand the strategic maneuvers employed by key players globally to understand possible market penetration with the correct strategy.

**Market Drivers & Future Trends:** Explore the dynamic factors and pivotal market trends and how they will shape future market developments.

**Actionable Recommendations:** Utilize the insights to exercise strategic decisions to uncover new business streams and revenues in a dynamic environment.

**Caters to a Wide Audience:** Beneficial and cost-effective for startups, research institutions, consultants, SMEs, and large enterprises.

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Industry and Market Insights, Opportunity Assessment, Product Demand Forecasting, Market Entry Strategy, Geographical Expansion, Capital Investment Decisions, Regulatory Framework & Implications, New Product Development, Competitive Intelligence

## Report Coverage:

Historical data from 2021 to 2025 & forecast data from 2026 to 2031

Growth Opportunities, Challenges, Supply Chain Outlook, Regulatory Framework, and Trend Analysis

Competitive Positioning, Strategies, and Market Share Analysis

Revenue Growth and Forecast Assessment of segments and regions including countries

Company Profiling (Strategies, Products, Financial Information, and Key Developments among others.

## Pneumatic Tire Forklifts Market Segmentation

### By Tire Type

Solid Pneumatic

Air Pneumatic

### By Capacity

Up to 1000Kg

1000Kg – 5000Kg

Above 5000Kg

### By Application

Warehouses

Manufacturing Units

Logistics Centers

## By Geography

North America

United States

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

Germany

France

United Kingdom

Spain

Others

Middle East and Africa

Saudi Arabia

UAE

Others

Asia Pacific

China

India

Japan

South Korea

Indonesia

Thailand

Others

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