

Rubber Tired Gantry Crane Market Size, Share, Trends and Forecast by Type, Power Supply, Application, and Region, 2026-2034

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Abstracts

The global rubber tired gantry crane market size was valued at USD 1.6 Billion in 2025. Looking forward, IMARC Group estimates the market to reach USD 2.2 Billion by 2034, exhibiting a CAGR of 3.46% from 2026-2034. Asia Pacific currently dominates the market, holding a market share of over 40% in 2025. The market is driven by increasing port automation, rising global trade volumes, growing containerization, demand for fuel-efficient and hybrid RTGs, infrastructure expansion in emerging economies, and stricter environmental regulations encouraging the adoption of electric and hybrid models for reduced emissions and operational efficiency.

A rubber-tired gantry (RTG) crane, also known as a transtainer, is a mobile gantry crane widely employed in intermodal operations for stacking or grounding containers. It is usually powered by electricity or diesel generator systems and can be controlled remotely. It has a rigid and stable steel structure that facilitates precise handling and smooth movements even at high speeds. It is also utilized to assemble heavy manufacturing components, position pipelines, and erect large, unbalanced structures. RTG cranes are designed for space-saving container terminals to enhance productivity, minimize downtime, and reduce costs. As a result, they are rapidly replacing traditional gantry cranes due to their excellent performance, mobility, and flexible operations.

Rubber Tired Gantry Crane Market Trends:

A significant increase in imports and exports via ships and cargo planes represents the primary factor driving the market growth. Additionally, the escalating demand for goods and raw materials and the rising trade activities between countries are accelerating product demand. Besides this, governments of various nations are taking several

initiatives and making heavy investments in the development of port infrastructure and capacities. For instance, the expansion of the Panama Canal has increased the shipping container traffic across the globe, which, in turn, is catalyzing the demand for portable container handling equipment like RTG cranes. Moreover, several product innovations, such as the integration of RTG cranes with active load system (ALS) technology to enhance operational efficiency and container stability during transportation, are augmenting the product demand. Furthermore, there has been widespread adoption of electric RTG cranes due to the stringent air pollution and emission control regulations implemented by governments of different countries. Other factors, including rapid industrialization and globalization, flexible import-export taxation, and technological advancements, are also creating a positive market outlook.

Market Segmentation:

This report provides an analysis of the key trends in each segment of the global rubber tired gantry crane market, along with forecast at the global, regional, and country levels from 2026-2034. The market has been categorized based on type, power supply, and application.

Breakup by Type:

8-Wheeler

16-Wheeler

Breakup by Power Supply:

Diesel

Electric

Hybrid

Breakup by Application:

Construction

Oil and Gas

Shipbuilding

Power and Utilities

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Anupam Industries Limited, ASCOM SPA, Bedeschi S.p.A., Cargotec Oyj, Konecranes Oyj, Liebherr-International AG, Mi-Jack Products (Lanco International Inc.), Paul Vahle GmbH & Co. KG, Reva Industries India Pvt. Ltd., Sany Heavy Industry Co. Ltd, Shanghai Zhenhua Heavy Industries Company Limited and TNT Crane & Rigging.

Key Questions Answered in This Report

1. How big is the rubber tired gantry crane market?
2. What is the future outlook of rubber tired gantry crane market?
3. What are the key factors driving the rubber tired gantry crane market?
4. Which region accounts for the largest rubber tired gantry crane market share?
5. Which are the leading companies in the global rubber tired gantry crane market?

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