

Global Material Handling Robots Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Material Handling Robots market size was valued at USD 7833.4 million in 2023 and is forecast to a readjusted size of USD 20510 million by 2030 with a CAGR of 14.7% during review period.

Material handling robots are used in various streams such as pick and place, palletizing/depalletizing, and the packaging sector. They are used to improve material handling efficiency, flexibility, and constancy in the manufacturing processes. The use of material handling robots in a production plant not only reduces the ergonomic threats but also helps to improve the lean management system of the business.

Material handling robots can manage case-picking functions and can also handle carts for contentment centers or manufacturing process for parts to the lines of operation. The lifting capacity of material handling robots can be over 150 lbs (68 kg). The twin arm manipulator can lift and handle almost every warehoused material. These robots help reduce workplace fatigue and injury.

Increases in the number of manufacturing facilities and the growth of production plants are among the major drivers of the material handling robotics market. The ability to simplify and decrease time consumption in production functions, while enhancing dependability, accuracy, and the involvement of low task force are the additional market drivers. The development of the material handling robotics market is expected to rise due to the suitability and the substantial cost reduction offered by these robots. Sorting systems, sliding belts, picking systems, and material putting robots are some of the material handling robots that have gained significance in recent years. The initial

investment required for material handling robots is high, but in the long run these robots provide a competitive edge.

Global Material Handling Robots key players include FANUC(Japan), ABB(Switzerland), Yaskawa (Motoman)(Japan), KUKA(Germany), etc. Global four five manufacturers hold a share over 60%.

Japan is the largest market, with a share about 40%, followed by China, and Europe, both have a share about 25 percent.

In terms of product, Articulated Material Handling Robots is the largest segment, with a share over 80%. And in terms of application, the largest application is Automotive, followed by Electrical and Electronics, Chemical, Rubber and Plastic, etc.

The Global Info Research report includes an overview of the development of the Material Handling Robots industry chain, the market status of Automotive (Articulated Material Handling Robots, SCARA Material Handling Robot), Chemical, Rubber and Plastic (Articulated Material Handling Robots, SCARA Material Handling Robot), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Material Handling Robots.

Regionally, the report analyzes the Material Handling Robots markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Material Handling Robots market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Material Handling Robots market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Material Handling Robots industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Articulated Material Handling Robots, SCARA Material Handling Robot).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Material Handling Robots market.

Regional Analysis: The report involves examining the Material Handling Robots market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Material Handling Robots market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Material Handling Robots:

Company Analysis: Report covers individual Material Handling Robots manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Material Handling Robots This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automotive, Chemical, Rubber and Plastic).

Technology Analysis: Report covers specific technologies relevant to Material Handling Robots. It assesses the current state, advancements, and potential future developments in Material Handling Robots areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Material Handling Robots market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Material Handling Robots market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Articulated Material Handling Robots

SCARA Material Handling Robot

Parallel Material Handling Robot

Market segment by Application

Automotive

Chemical, Rubber and Plastic

Electrical and Electronics

Metal and Machinery

Food, Beverages and Pharmaceuticals

Others

Major players covered

FANUC (Japan)

KUKA (Germany)

ABB (Switzerland)

Yaskawa (Motoman)(Japan)

Nachi (Japan)

Kawasaki Robotics(Japan)

Comau (Italy)

EPSON Robots (Japan)

Staubli (Switzerland)

Omron Adept Technologies (US)

DENSO Robotics (Japan)

OTC Daihen (Japan)

Toshiba (Japan)

Mitsubishi Electric (Japan)

Universal Robots (Denmark)

Hyundai Robotics (Korea)

Siasun (China)

Anhui EFORT Intelligent Equipment (China)

Estun Automation (China)

Guangzhou CNC Equipment (China)

STEP Electric Corporation (China)

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Material Handling Robots product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Material Handling Robots, with price, sales, revenue and global market share of Material Handling Robots from 2019 to 2024.

Chapter 3, the Material Handling Robots competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Material Handling Robots breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Material Handling Robots market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Material Handling Robots.

Chapter 14 and 15, to describe Material Handling Robots sales channel, distributors, customers, research findings and conclusion.

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