

# **Global Gantry Robot Market Size study, By Number of Axes (One, Two, Three, Four), By Payload (Less than 50 Kg, 51–350 Kg, More than 350 Kg), By Application (Handling, Assembling and Disassembling, Welding and Soldering, Processing (Milling and Cutting), Others), and Regional Forecasts 2022-2028**

<https://marketpublishers.com/r/GE4FAB412000EN.html>

Date: May 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GE4FAB412000EN

## **Abstracts**

Global Gantry Robot Market is valued at approximately USD XX million in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2028. A gantry robot is a variety of robot that encompasses a manipulator incorporated onto an overhead system, which facilitates movement in a horizontal plane. Gantry robots are also known as linear or cartesian robots that are used in applications such as handling, assembling & disassembling, welding & Soldering, processing, and many others. The increasing demand for industrial robots, growing need for enhanced programming and communication interfaces, and surging demand for pre-assembled and pre-programmed gantry systems are the primary factors that are excelling the market demand across the globe. For instance, according to Statista, in 2020, the installation of industrial robots is recorded at 384,000 industrial robots. Also, it is estimated that the number increases and is projected to reach around 518,000 industrial robots by 2025. Accordingly, the rising adoption of industrial robots is augmenting the global market growth at a substantial rate. However, complexities associated with designing and testing large gantry systems and limited acceptance of gantry systems across emerging nations impede the growth of the market over the forecast period of 2022-2028. Also, the rising demand for the medium- and large-sized gantry robots across the industrial applications and the rising deployment of cartesian systems that can be programmed for collaborative applications are anticipated to act as catalyzing factors for the market demand during the forecast period.

The key regions considered for the global Gantry Robot Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. Asia-Pacific is the leading region across the world in terms of market share owing to the increasing expenditure on technological developments, and development of manufacturing industry. Whereas, Asia-Pacific is anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as the rising deployment of gantry robots across the automotive and electrical and electronics industries, as well as growth of the countries like South Korea, India, Japan, and China would create lucrative growth prospects for the Gantry Robot Market across the Asia-Pacific region.

Major market players included in this report are:

Toshiba Machine Co., Ltd.

Liebherr Group

Bosch Rexroth AG

Yamaha Motor Co., Ltd.

Macron Dynamics Inc.

IAI Corporation

Cimcorp Group

OMRON Corporation

Nordson Corporation

Hirata Corporation

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Number of Axes

One

Two

Three

Four

By Payload

Less than 50 Kg

51–350 Kg

More than 350 Kg

By Application

Handling

Assembling and Disassembling

Welding and Soldering

Processing (Milling and Cutting)

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Gantry Robot Market in Market Study:

*Global Gantry Robot Market Size study, By Number of Axes (One, Two, Three, Four), By Payload (Less than 50 Kg,...*

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2028 (USD Million)
  - 1.2.1. Gantry Robot Market, by Region, 2020-2028 (USD Million)
  - 1.2.2. Gantry Robot Market, by Number of Axes, 2020-2028 (USD Million)
  - 1.2.3. Gantry Robot Market, by Payload, 2020-2028 (USD Million)
  - 1.2.4. Gantry Robot Market, by Application, 2020-2028 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL GANTRY ROBOT MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL GANTRY ROBOT MARKET DYNAMICS

- 3.1. Gantry Robot Market Impact Analysis (2020-2028)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Increasing demand for industrial robots
    - 3.1.1.2. Growing need for enhanced programming and communication interfaces
  - 3.1.2. Market Challenges
    - 3.1.2.1. Complexities associated with designing and testing large gantry systems
    - 3.1.2.2. Limited acceptance of gantry systems across emerging nations
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Rising demand for the medium- and large-sized gantry robots across the industrial applications
    - 3.1.3.2. High deployment of cartesian systems that can be programmed for collaborative applications

### CHAPTER 4. GLOBAL GANTRY ROBOT MARKET INDUSTRY ANALYSIS

*Global Gantry Robot Market Size study, By Number of Axes (One, Two, Three, Four), By Payload (Less than 50 Kg,...*

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2028)
- 4.2. PEST Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion
- 4.5. Top investment opportunity
- 4.6. Top winning strategies

## **CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT**

- 5.1.1. Assessment of the overall impact of COVID-19 on the industry
- 5.1.2. Pre COVID-19 and post COVID-19 market scenario

## **CHAPTER 6. GLOBAL GANTRY ROBOT MARKET, BY NUMBER OF AXES**

- 6.1. Market Snapshot
- 6.2. Global Gantry Robot Market by Number of Axes, Performance - Potential Analysis
- 6.3. Global Gantry Robot Market Estimates & Forecasts by Number of Axes, 2018-2028 (USD Million)
- 6.4. Gantry Robot Market, Sub Segment Analysis
  - 6.4.1. One
  - 6.4.2. Two
  - 6.4.3. Three
  - 6.4.4. Four

## **CHAPTER 7. GLOBAL GANTRY ROBOT MARKET, BY PAYLOAD**

- 7.1. Market Snapshot
- 7.2. Global Gantry Robot Market by Payload, Performance - Potential Analysis

7.3. Global Gantry Robot Market Estimates & Forecasts by Payload, 2018-2028 (USD Million)

7.4. Gantry Robot Market, Sub Segment Analysis

7.4.1. Less than 50 Kg

7.4.2. 51–350 Kg

7.4.3. More than 350 Kg

## **CHAPTER 8. GLOBAL GANTRY ROBOT MARKET, BY APPLICATION**

8.1. Market Snapshot

8.2. Global Gantry Robot Market by Application, Performance - Potential Analysis

8.3. Global Gantry Robot Market Estimates & Forecasts by Application, 2018-2028 (USD Million)

8.4. Gantry Robot Market, Sub Segment Analysis

8.4.1. Handling

8.4.2. Assembling and Disassembling

8.4.3. Welding and Soldering

8.4.4. Processing (Milling and Cutting)

8.4.5. Others

## **CHAPTER 9. GLOBAL GANTRY ROBOT MARKET, REGIONAL ANALYSIS**

9.1. Gantry Robot Market, Regional Market Snapshot

9.2. North America Gantry Robot Market

9.2.1. U.S. Gantry Robot Market

9.2.1.1. Number of Axes breakdown estimates & forecasts, 2018-2028

9.2.1.2. Payload breakdown estimates & forecasts, 2018-2028

9.2.1.3. Application breakdown estimates & forecasts, 2018-2028

9.2.2. Canada Gantry Robot Market

9.3. Europe Gantry Robot Market Snapshot

9.3.1. U.K. Gantry Robot Market

9.3.2. Germany Gantry Robot Market

9.3.3. France Gantry Robot Market

9.3.4. Spain Gantry Robot Market

9.3.5. Italy Gantry Robot Market

9.3.6. Rest of Europe Gantry Robot Market

9.4. Asia-Pacific Gantry Robot Market Snapshot

9.4.1. China Gantry Robot Market

9.4.2. India Gantry Robot Market

- 9.4.3. Japan Gantry Robot Market
- 9.4.4. Australia Gantry Robot Market
- 9.4.5. South Korea Gantry Robot Market
- 9.4.6. Rest of Asia Pacific Gantry Robot Market
- 9.5. Latin America Gantry Robot Market Snapshot
  - 9.5.1. Brazil Gantry Robot Market
  - 9.5.2. Mexico Gantry Robot Market
- 9.6. Rest of The World Gantry Robot Market

## **CHAPTER 10. COMPETITIVE INTELLIGENCE**

- 10.1. Top Market Strategies
- 10.2. Company Profiles
  - 10.2.1. Toshiba Machine Co., Ltd.
    - 10.2.1.1. Key Information
    - 10.2.1.2. Overview
    - 10.2.1.3. Financial (Subject to Data Availability)
    - 10.2.1.4. Product Summary
    - 10.2.1.5. Recent Developments
  - 10.2.2. Liebherr Group
  - 10.2.3. Bosch Rexroth AG
  - 10.2.4. Yamaha Motor Co., Ltd.
  - 10.2.5. Macron Dynamics Inc.
  - 10.2.6. IAI Corporation
  - 10.2.7. Cimcorp Group
  - 10.2.8. OMRON Corporation
  - 10.2.9. Nordson Corporation
  - 10.2.10. Hirata Corporation

## **CHAPTER 11. RESEARCH PROCESS**

- 11.1. Research Process
  - 11.1.1. Data Mining
  - 11.1.2. Analysis
  - 11.1.3. Market Estimation
  - 11.1.4. Validation
  - 11.1.5. Publishing
- 11.2. Research Attributes
- 11.3. Research Assumption





## List Of Tables

### LIST OF TABLES

TABLE 1. Global Gantry Robot Market, report scope

TABLE 2. Global Gantry Robot Market estimates & forecasts by Region 2018-2028 (USD Million)

TABLE 3. Global Gantry Robot Market estimates & forecasts by Number of Axes 2018-2028 (USD Million)

TABLE 4. Global Gantry Robot Market estimates & forecasts by Payload 2018-2028 (USD Million)

TABLE 5. Global Gantry Robot Market estimates & forecasts by Application 2018-2028 (USD Million)

TABLE 6. Global Gantry Robot Market by segment, estimates & forecasts, 2018-2028 (USD Million)

TABLE 7. Global Gantry Robot Market by region, estimates & forecasts, 2018-2028 (USD Million)

TABLE 8. Global Gantry Robot Market by segment, estimates & forecasts, 2018-2028 (USD Million)

TABLE 9. Global Gantry Robot Market by region, estimates & forecasts, 2018-2028 (USD Million)

TABLE 10. Global Gantry Robot Market by segment, estimates & forecasts, 2018-2028 (USD Million)

TABLE 11. Global Gantry Robot Market by region, estimates & forecasts, 2018-2028 (USD Million)

TABLE 12. Global Gantry Robot Market by segment, estimates & forecasts, 2018-2028 (USD Million)

TABLE 13. Global Gantry Robot Market by region, estimates & forecasts, 2018-2028 (USD Million)

TABLE 14. Global Gantry Robot Market by segment, estimates & forecasts, 2018-2028 (USD Million)

TABLE 15. Global Gantry Robot Market by region, estimates & forecasts, 2018-2028 (USD Million)

TABLE 16. U.S. Gantry Robot Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 17. U.S. Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 18. U.S. Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 19. Canada Gantry Robot Market estimates & forecasts, 2018-2028 (USD

Million)

TABLE 20. Canada Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 21. Canada Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 22. UK Gantry Robot Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 23. UK Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 24. UK Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 25. Germany Gantry Robot Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 26. Germany Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 27. Germany Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 28. RoE Gantry Robot Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 29. RoE Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 30. RoE Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 31. China Gantry Robot Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 32. China Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 33. China Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 34. India Gantry Robot Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 35. India Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 36. India Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 37. Japan Gantry Robot Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 38. Japan Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 39. Japan Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 40. RoAPAC Gantry Robot Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 41. RoAPAC Gantry Robot Market estimates & forecasts by segment

2018-2028 (USD Million)

TABLE 42. RoAPAC Gantry Robot Market estimates & forecasts by segment

2018-2028 (USD Million)

TABLE 43. Brazil Gantry Robot Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 44. Brazil Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 45. Brazil Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 46. Mexico Gantry Robot Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 47. Mexico Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 48. Mexico Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 49. RoLA Gantry Robot Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 50. RoLA Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 51. RoLA Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 52. Row Gantry Robot Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 53. Row Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 54. Row Gantry Robot Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 55. List of secondary sources, used in the study of global Gantry Robot Market

TABLE 56. List of primary sources, used in the study of global Gantry Robot Market

TABLE 57. Years considered for the study

TABLE 58. Exchange rates considered

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Gantry Robot Market, research methodology
- FIG 2. Global Gantry Robot Market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Gantry Robot Market, key trends 2021
- FIG 5. Global Gantry Robot Market, growth prospects 2022-2028
- FIG 6. Global Gantry Robot Market, porters 5 force model
- FIG 7. Global Gantry Robot Market, pest analysis
- FIG 8. Global Gantry Robot Market, value chain analysis
- FIG 9. Global Gantry Robot Market by segment, 2018 & 2028 (USD Million)
- FIG 10. Global Gantry Robot Market by segment, 2018 & 2028 (USD Million)
- FIG 11. Global Gantry Robot Market by segment, 2018 & 2028 (USD Million)
- FIG 12. Global Gantry Robot Market by segment, 2018 & 2028 (USD Million)
- FIG 13. Global Gantry Robot Market by segment, 2018 & 2028 (USD Million)
- FIG 14. Global Gantry Robot Market, regional snapshot 2018 & 2028
- FIG 15. North America Gantry Robot Market 2018 & 2028 (USD Million)
- FIG 16. Europe Gantry Robot Market 2018 & 2028 (USD Million)
- FIG 17. Asia Pacific Gantry Robot market 2018 & 2028 (USD Million)
- FIG 18. Latin America Gantry Robot Market 2018 & 2028 (USD Million)
- FIG 19. Global Gantry Robot Market, company market share analysis (2021)

## I would like to order

Product name: Global Gantry Robot Market Size study, By Number of Axes (One, Two, Three, Four), By Payload (Less than 50 Kg, 51–350 Kg, More than 350 Kg), By Application (Handling, Assembling and Disassembling, Welding and Soldering, Processing (Milling and Cutting), Others), and Regional Forecasts 2022-2028

Product link: <https://marketpublishers.com/r/GE4FAB412000EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GE4FAB412000EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970