

Asia Pacific Cartesian/Gantry Robots Market 2022-2032 by Subsystem, Robot Type (1, 2, 3, 4 Axis), Application, Component (Controller, Robotic Arm, End Effector, Vision Systems), Payload (350 KG), Industry Vertical, and Country: Trend Forecast and Growth Opportunity

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Abstracts

Asia Pacific cartesian/gantry robots market will grow by 9.5% annually with a total addressable market cap of \$100,159.5 million over 2023-2032, driven by the emerging Industry 4.0, a large scope for AI innovation, an increasing adoption of advanced gantry robots to improve the productivity and safety in manufacturing sectors.

Highlighted with 36 tables and 91 figures, this 175-page report “Asia Pacific Cartesian/Gantry Robots Market 2022-2032 by Subsystem, Robot Type (1, 2, 3, 4 Axis), Application, Component (Controller, Robotic Arm, End Effector, Vision Systems), Payload (350 KG), Industry Vertical, and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire Asia Pacific cartesian/gantry robots and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2020-2022 and provides forecast from 2023 till 2032 with 2022 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the

forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of Asia Pacific market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify Asia Pacific cartesian/gantry robots in every aspect of the classification from perspectives of Subsystem, Robot Type, Application, Component, Payload, Industry Vertical, and Country.

Based on Subsystem, the Asia Pacific market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Hardware

Software

Services

Based on Robot Type, the Asia Pacific market is segmented into the following sub-markets with annual revenue (\$ mn) and shipment (thousand units) for 2022-2032 included in each section.

One Axis

Two Axis

Three Axis

Four Axis

By Application, the Asia Pacific market is segmented into the following sub-markets with annual revenue (\$ mn) and shipment (thousand units) for 2022-2032 included in each section.

Soldering & Welding

Material Handling

Assembling & Disassembling

Painting & Dispensing

Milling & Grinding

Cutting & Processing

Other Applications

By Component, the Asia Pacific market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Robot Controller Unit

Robotic Arm

End Effector

Drive

Sensors

Power Supply

Vision Systems

Other Components

By Payload, the Asia Pacific market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

51-350 KG

>350 KG

By Industry Vertical, the Asia Pacific market is segmented into the following sub-markets with annual revenue (\$ mn) and shipment (thousand units) for 2022-2032 included in each section.

Automotive

Electrical & Electronics

Metal & Machinery

Chemicals, Rubber & Plastics

Medical & Pharmaceutical

Food & Agriculture

Other Industry Verticals

Geographically, the following national/local markets are fully investigated:

Japan

China

South Korea

Taiwan

India

Rest of APAC (further segmented into Malaysia, Singapore, Indonesia, Thailand, New Zealand, Vietnam, Australia, and Philippines)

For each key country, detailed analysis and data for annual revenue (\$ mn) and shipment (thousand units) are available for 2022-2032. The breakdown of national markets by Robot Type, Application, and Industry Vertical over the forecast years is also included.

The report also covers the current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

ABB Ltd.

Aerotech Inc

BOSCH Rexroth AG, Ltd.

Denso Corporation

Fanuc Corp.

Fibro

G?del Group AG

IAI America, Inc.

KUKA (Midea Group)

Mitsubishi Electric Corp.

Omron Corporation

Parker Hannifin Corporation

Seiko Epson Corporation

Staubli International AG

Toshiba Machine Co., Ltd.

Yamaha Robotics

Yaskawa Electric Corp.

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

Contents

1 INTRODUCTION

- 1.1 Industry Definition and Research Scope
 - 1.1.1 Industry Definition
 - 1.1.2 Research Scope
- 1.2 Research Methodology
 - 1.2.1 Overview of Market Research Methodology
 - 1.2.2 Market Assumption
 - 1.2.3 Secondary Data
 - 1.2.4 Primary Data
 - 1.2.5 Data Filtration and Model Design
 - 1.2.6 Market Size/Share Estimation
 - 1.2.7 Research Limitations
- 1.3 Executive Summary

2 MARKET OVERVIEW AND DYNAMICS

- 2.1 Market Size and Forecast
 - 2.1.1 Impact of COVID-19 on World Economy
 - 2.1.2 Impact of COVID-19 on the Market
 - 2.1.3 Impact of Russia-Ukraine Conflict: War Slows Economic Recovery
- 2.2 Major Growth Drivers
- 2.3 Market Restraints and Challenges
- 2.4 Emerging Opportunities and Market Trends
- 2.5 Porter's Fiver Forces Analysis

3 SEGMENTATION OF ASIA PACIFIC MARKET BY SUBSYSTEM

- 3.1 Market Overview by Subsystem
- 3.2 Hardware
- 3.3 Software
- 3.4 Services

4 SEGMENTATION OF ASIA PACIFIC MARKET BY ROBOT TYPE

- 4.1 Market Overview by Robot Type
- 4.2 One Axis

- 4.3 Two Axis
- 4.4 Three Axis
- 4.5 Four Axis

5 SEGMENTATION OF ASIA PACIFIC MARKET BY APPLICATION

- 5.1 Market Overview by Application
- 5.2 Soldering & Welding
- 5.3 Material Handling
- 5.4 Assembling & Disassembling
- 5.5 Painting & Dispensing
- 5.6 Milling & Grinding
- 5.7 Cutting & Processing
- 5.8 Other Applications

6 SEGMENTATION OF ASIA PACIFIC MARKET BY COMPONENT

- 6.1 Market Overview by Component
- 6.2 Robot Controller Unit
- 6.3 Robotic Arm
- 6.4 End Effector
- 6.5 Drive
- 6.6 Sensors
- 6.7 Power Supply
- 6.8 Vision Systems
- 6.9 Other Components

7 SEGMENTATION OF ASIA PACIFIC MARKET BY PAYLOAD

- 7.1 Market Overview by Payload
- 7.2 7.3 51-350 KG
- 7.4 > 350 KG

8 SEGMENTATION OF ASIA PACIFIC MARKET BY INDUSTRY VERTICAL

- 8.1 Market Overview by Industry Vertical
- 8.2 Automotive
- 8.3 Electrical & Electronics
- 8.4 Metal & Machinery

- 8.5 Chemicals, Rubber & Plastics
- 8.6 Medical & Pharmaceutical
- 8.7 Food & Agriculture
- 8.8 Other Industry Verticals

9 ASIA-PACIFIC MARKET 2022-2032 BY COUNTRY/REGION

- 9.1 Overview of Asia-Pacific Market
- 9.2 Japan
- 9.3 China
- 9.4 Taiwan
- 9.5 India
- 9.6 South Korea
- 9.7 Rest of APAC Region

10 COMPETITIVE LANDSCAPE

- 10.1 Overview of Key Vendors
- 10.2 New Product Launch, Partnership, Investment, and M&A
- 10.3 Company Profiles
 - ABB Ltd.
 - Aerotech Inc
 - BOSCH Rexroth AG, Ltd.
 - Denso Corporation
 - Fanuc Corp.
 - Fibro
 - G?del Group AG
 - IAI America, Inc.
 - KUKA (Midea Group)
 - Mitsubishi Electric Corp.
 - Omron Corporation
 - Parker Hannifin Corporation
 - Seiko Epson Corporation
 - Staubli International AG
 - Toshiba Machine Co., Ltd.
 - Yamaha Robotics
 - Yaskawa Electric Corp.

RELATED REPORTS

List Of Tables

LIST OF TABLES:

Table 1. Snapshot of Asia Pacific Cartesian/Gantry Robots Market in Balanced Perspective, 2022-2032

Table 2. World Economic Outlook, 2021-2031

Table 3. World Economic Outlook, 2021-2023

Table 4. Scenarios for Economic Impact of Ukraine Crisis

Table 5. Main Product Trends and Market Opportunities in Asia Pacific Cartesian/Gantry Robots Market

Table 6. Asia Pacific Cartesian/Gantry Robots Market by Subsystem, 2022-2032, \$ mn

Table 7. Asia Pacific Cartesian/Gantry Robots Market by Robot Type, 2022-2032, \$ mn

Table 8. Asia Pacific Cartesian/Gantry Robots Market by Robot Type, 2022-2032, thousand units

Table 9. Asia Pacific Cartesian/Gantry Robots Market by Application, 2022-2032, \$ mn

Table 10. Asia Pacific Cartesian/Gantry Robots Market by Application, 2022-2032, thousand units

Table 11. Asia Pacific Cartesian/Gantry Robots Market by Component, 2022-2032, \$ mn

Table 12. Asia Pacific Cartesian/Gantry Robots Market by Payload, 2022-2032, \$ mn

Table 13. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical, 2022-2032, \$ mn

Table 14. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical, 2022-2032, thousand units

Table 15. APAC Cartesian/Gantry Robots Market by Country/Region, 2022-2032, \$ mn

Table 16. APAC Cartesian/Gantry Robots Market by Country/Region, 2022-2032, thousand units

Table 17. Japan Cartesian/Gantry Robots Market by Robot Type, 2022-2032, \$ mn

Table 18. Japan Cartesian/Gantry Robots Market by Application, 2022-2032, \$ mn

Table 19. Japan Cartesian/Gantry Robots Market by Industry Vertical, 2022-2032, \$ mn

Table 20. China Cartesian/Gantry Robots Market by Robot Type, 2022-2032, \$ mn

Table 21. China Cartesian/Gantry Robots Market by Application, 2022-2032, \$ mn

Table 22. China Cartesian/Gantry Robots Market by Industry Vertical, 2022-2032, \$ mn

Table 23. Taiwan Cartesian/Gantry Robots Market by Robot Type, 2022-2032, \$ mn

Table 24. Taiwan Cartesian/Gantry Robots Market by Application, 2022-2032, \$ mn

Table 25. Taiwan Cartesian/Gantry Robots Market by Industry Vertical, 2022-2032, \$ mn

Table 26. India Cartesian/Gantry Robots Market by Robot Type, 2022-2032, \$ mn

Table 27. India Cartesian/Gantry Robots Market by Application, 2022-2032, \$ mn

Table 28. India Cartesian/Gantry Robots Market by Industry Vertical, 2022-2032, \$ mn

Table 29. South Korea Cartesian/Gantry Robots Market by Robot Type, 2022-2032, \$ mn

Table 30. South Korea Cartesian/Gantry Robots Market by Application, 2022-2032, \$ mn

Table 31. South Korea Cartesian/Gantry Robots Market by Industry Vertical, 2022-2032, \$ mn

Table 32. Cartesian/Gantry Robots Market in Rest of APAC by Country/Region, 2022-2032, \$ mn

Table 33. Major Cartesian Robots Provided by Leading Vendors

Table 34. ABB Ltd.: Company Snapshot

Table 35. ABB Ltd.: Business Segmentation

Table 36. ABB Ltd.: Product Portfolio

List Of Figures

LIST OF FIGURES:

Figure 1. Research Method Flow Chart

Figure 2. Bottom-up Approach and Top-down Approach for Market Estimation

Figure 3. Asia Pacific Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2022-2032

Figure 4. Asia Pacific Cartesian/Gantry Robots Market by Revenue, 2022-2032, \$ mn

Figure 5. Asia Pacific Cartesian/Gantry Robots Market by Shipment, 2022-2032, thousand units

Figure 6. Impact of COVID-19 on Business

Figure 7. Primary Drivers and Impact Factors of Asia Pacific Cartesian/Gantry Robots Market

Figure 8. World Vehicle Production by Car Type, 2019-2030, million units

Figure 9. World Electrical & Electronics Industry, 2019-2030, \$ trillion

Figure 10. World Smart Factory Market, 2019-2026, \$ mn

Figure 11. Primary Restraints and Impact Factors of Asia Pacific Cartesian/Gantry Robots Market

Figure 12. Investment Opportunity Analysis

Figure 13. Porter's Fiver Forces Analysis of Asia Pacific Cartesian/Gantry Robots Market

Figure 14. Breakdown of Asia Pacific Cartesian/Gantry Robots Market by Subsystem, 2022-2032, % of Revenue

Figure 15. Asia Pacific Addressable Market Cap in 2023-2032 by Subsystem, Value (\$ mn) and Share (%)

Figure 16. Asia Pacific Cartesian/Gantry Robots Market by Subsystem: Hardware, 2022-2032, \$ mn

Figure 17. Asia Pacific Cartesian/Gantry Robots Market by Subsystem: Software, 2022-2032, \$ mn

Figure 18. Asia Pacific Cartesian/Gantry Robots Market by Subsystem: Services, 2022-2032, \$ mn

Figure 19. Breakdown of Asia Pacific Cartesian/Gantry Robots Market by Robot Type, 2022-2032, % of Sales Revenue

Figure 20. Asia Pacific Addressable Market Cap in 2023-2032 by Robot Type, Value (\$ mn) and Share (%)

Figure 21. Breakdown of Asia Pacific Cartesian/Gantry Robots Market by Robot Type, 2022-2032, % of Shipment

Figure 22. Asia Pacific Addressable Market Cap in 2023-2032 by Robot Type, Shipment

(thousand units) and Share (%)

Figure 23. Asia Pacific Cartesian/Gantry Robots Market by Robot Type: One Axis, 2022-2032, \$ mn

Figure 24. Asia Pacific Cartesian/Gantry Robots Market by Robot Type: One Axis, 2022-2032, thousand units

Figure 25. Asia Pacific Cartesian/Gantry Robots Market by Robot Type: Two Axis, 2022-2032, \$ mn

Figure 26. Asia Pacific Cartesian/Gantry Robots Market by Robot Type: Two Axis, 2022-2032, thousand units

Figure 27. Asia Pacific Cartesian/Gantry Robots Market by Robot Type: Three Axis, 2022-2032, \$ mn

Figure 28. Asia Pacific Cartesian/Gantry Robots Market by Robot Type: Three Axis, 2022-2032, thousand units

Figure 29. Asia Pacific Cartesian/Gantry Robots Market by Robot Type: Four Axis, 2022-2032, \$ mn

Figure 30. Breakdown of Asia Pacific Cartesian/Gantry Robots Market by Application, 2022-2032, % of Sales Revenue

Figure 31. Asia Pacific Addressable Market Cap in 2023-2032 by Application, Value (\$ mn) and Share (%)

Figure 32. Breakdown of Asia Pacific Cartesian/Gantry Robots Market by Application, 2022-2032, % of Shipment

Figure 33. Asia Pacific Addressable Market Cap in 2023-2032 by Application, Shipment (thousand units) and Share (%)

Figure 34. Asia Pacific Cartesian/Gantry Robots Market by Application: Soldering & Welding, 2022-2032, \$ mn

Figure 35. Asia Pacific Cartesian/Gantry Robots Market by Application: Soldering & Welding, 2022-2032, thousand units

Figure 36. Asia Pacific Cartesian/Gantry Robots Market by Application: Material Handling, 2022-2032, \$ mn

Figure 37. Asia Pacific Cartesian/Gantry Robots Market by Application: Material Handling, 2022-2032, thousand units

Figure 38. Asia Pacific Cartesian/Gantry Robots Market by Application: Assembling & Disassembling, 2022-2032, \$ mn

Figure 39. Asia Pacific Cartesian/Gantry Robots Market by Application: Assembling & Disassembling, 2022-2032, thousand units

Figure 40. Asia Pacific Cartesian/Gantry Robots Market by Application: Painting & Dispensing, 2022-2032, \$ mn

Figure 41. Asia Pacific Cartesian/Gantry Robots Market by Application: Painting & Dispensing, 2022-2032, thousand units

Figure 42. Asia Pacific Cartesian/Gantry Robots Market by Application: Milling & Grinding, 2022-2032, \$ mn

Figure 43. Asia Pacific Cartesian/Gantry Robots Market by Application: Milling & Grinding, 2022-2032, thousand units

Figure 44. Asia Pacific Cartesian/Gantry Robots Market by Application: Cutting & Processing, 2022-2032, \$ mn

Figure 45. Asia Pacific Cartesian/Gantry Robots Market by Application: Cutting & Processing, 2022-2032, thousand units

Figure 46. Asia Pacific Cartesian/Gantry Robots Market by Application: Other Applications, 2022-2032, \$ mn

Figure 47. Asia Pacific Cartesian/Gantry Robots Market by Application: Other Applications, 2022-2032, thousand units

Figure 48. Breakdown of Asia Pacific Cartesian/Gantry Robots Market by Component, 2022-2032, % of Revenue

Figure 49. Asia Pacific Addressable Market Cap in 2023-2032 by Component, Value (\$ mn) and Share (%)

Figure 50. Asia Pacific Cartesian/Gantry Robots Market by Component: Robot Controller Unit, 2022-2032, \$ mn

Figure 51. Asia Pacific Cartesian/Gantry Robots Market by Component: Robotic Arm, 2022-2032, \$ mn

Figure 52. Asia Pacific Cartesian/Gantry Robots Market by Component: End Effector, 2022-2032, \$ mn

Figure 53. Asia Pacific Cartesian/Gantry Robots Market by Component: Drive, 2022-2032, \$ mn

Figure 54. Asia Pacific Cartesian/Gantry Robots Market by Component: Sensors, 2022-2032, \$ mn

Figure 55. Asia Pacific Cartesian/Gantry Robots Market by Component: Power Supply, 2022-2032, \$ mn

Figure 56. Asia Pacific Cartesian/Gantry Robots Market by Component: Vision Systems, 2022-2032, \$ mn

Figure 57. Asia Pacific Cartesian/Gantry Robots Market by Component: Other Components, 2022-2032, \$ mn

Figure 58. Breakdown of Asia Pacific Cartesian/Gantry Robots Market by Payload, 2022-2032, % of Revenue

Figure 59. Asia Pacific Addressable Market Cap in 2023-2032 by Payload, Value (\$ mn) and Share (%)

Figure 60. Asia Pacific Cartesian/Gantry Robots Market by Payload: Figure 61. Asia Pacific Cartesian/Gantry Robots Market by Payload: 51-350 KG, 2022-2032, \$ mn

Figure 62. Asia Pacific Cartesian/Gantry Robots Market by Payload: > 350 KG,

2022-2032, \$ mn

Figure 63. Breakdown of Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical, 2022-2032, % of Revenue

Figure 64. Asia Pacific Addressable Market Cap in 2023-2032 by Industry Vertical, Value (\$ mn) and Share (%)

Figure 65. Breakdown of Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical, 2022-2032, % of Shipment

Figure 66. Asia Pacific Addressable Market Cap in 2023-2032 by Industry Vertical, Shipment (thousand units) and Share (%)

Figure 67. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical: Automotive, 2022-2032, \$ mn

Figure 68. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical: Automotive, 2022-2032, thousand units

Figure 69. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical: Electrical & Electronics, 2022-2032, \$ mn

Figure 70. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical: Electrical & Electronics, 2022-2032, thousand units

Figure 71. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical: Metal & Machinery, 2022-2032, \$ mn

Figure 72. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical: Metal & Machinery, 2022-2032, thousand units

Figure 73. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical: Chemicals, Rubber & Plastics, 2022-2032, \$ mn

Figure 74. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical: Chemicals, Rubber & Plastics, 2022-2032, thousand units

Figure 75. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical: Medical & Pharmaceutical, 2022-2032, \$ mn

Figure 76. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical: Medical & Pharmaceutical, 2022-2032, thousand units

Figure 77. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical: Food & Agriculture, 2022-2032, \$ mn

Figure 78. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical: Food & Agriculture, 2022-2032, thousand units

Figure 79. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical: Other Industry Verticals, 2022-2032, \$ mn

Figure 80. Asia Pacific Cartesian/Gantry Robots Market by Industry Vertical: Other Industry Verticals, 2022-2032, thousand units

Figure 81. Breakdown of APAC Cartesian/Gantry Robots Market by Country/Region, 2022 and 2032, % of Revenue

Figure 82. Contribution to APAC 2023-2032 Cumulative Market by Country, Value (\$ mn) and Share (%)

Figure 83. Breakdown of APAC Cartesian/Gantry Robots Market by Country/Region, 2022 and 2032, % of Shipment

Figure 84. Contribution to APAC 2023-2032 Cumulative Market by Country, Shipment (thousand units) and Share (%)

Figure 85. Cartesian/Gantry Robots Market in Japan, 2022-2032, \$ mn

Figure 86. Cartesian/Gantry Robots Market in China, 2022-2032, \$ mn

Figure 87. Cartesian/Gantry Robots Market in Taiwan, 2022-2032, \$ mn

Figure 88. Cartesian/Gantry Robots Market in India, 2022-2032, \$ mn

Figure 89. Cartesian/Gantry Robots Market in South Korea, 2022-2032, \$ mn

Figure 90. Cartesian/Gantry Robots Market in Rest of APAC, 2022-2032, \$ mn

Figure 91. Growth Stage of Asia Pacific Cartesian/Gantry Robots Industry over the Forecast Period

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