

# Global Generative AI in Robotics Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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## Abstracts

Generative AI in robotics refers to the application of artificial intelligence techniques, particularly generative models like Generative Adversarial Networks (GANs) and Variational Autoencoders (VAEs), to enhance various aspects of robotic systems. These generative AI models enable robots to learn from data, generate new solutions, and adapt to changing environments. In essence, they provide robots with the ability to create new data, designs, or responses, thereby enhancing their adaptability, creativity, and problem-solving capabilities. This integration of generative AI with robotics holds the potential to significantly improve robot performance, autonomy, and versatility in a wide range of tasks and scenarios.

According to our (Global Info Research) latest study, the global Generative AI in Robotics market size was valued at US\$ million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of %during review period.

This report is a detailed and comprehensive analysis for global Generative AI in Robotics market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2024, are provided.

Key Features:

Global Generative AI in Robotics market size and forecasts, in consumption value (\$

Million), 2019-2030

Global Generative AI in Robotics market size and forecasts by region and country, in consumption value (\$ Million), 2019-2030

Global Generative AI in Robotics market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2019-2030

Global Generative AI in Robotics market shares of main players, in revenue (\$ Million), 2019-2024

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Generative AI in Robotics

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Generative AI in Robotics market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include NVIDIA Robotics, OpenAI, IBM Watson, Boston Dynamics, Collaborative Robotics, Covariant, Sanctuary AI, Unitree Robotics, KUKA Robotics, ABB Robotics, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Generative AI in Robotics 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. This analysis can help you expand your business by targeting qualified niche markets.

Market segmentation

Generative AI in Robotics market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

Generative Adversarial Networks (GANs)

Variational Autoencoders (VAEs)

Reinforcement Learning (RL)

Evolutionary Algorithms (EAs)

Others

#### Market segment by Application

Robot Design

Control Policies

Path Planning

Simulation and Testing

Human-Robot Interaction

Others

#### Market segment by players, this report covers

NVIDIA Robotics

OpenAI

IBM Watson

Boston Dynamics

Collaborative Robotics

Covariant

Sanctuary AI

Unitree Robotics

KUKA Robotics

ABB Robotics

Meta AI

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Generative AI in Robotics product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Generative AI in Robotics, with revenue, gross

margin, and global market share of Generative AI in Robotics from 2019 to 2024.

Chapter 3, the Generative AI in Robotics competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and Generative AI in Robotics market forecast, by regions, by Type and by Application, with consumption value, from 2024 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Generative AI in Robotics.

Chapter 13, to describe Generative AI in Robotics research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Classification of Generative AI in Robotics by Type

1.3.1 Overview: Global Generative AI in Robotics Market Size by Type: 2019 Versus 2023 Versus 2030

1.3.2 Global Generative AI in Robotics Consumption Value Market Share by Type in 2023

1.3.3 Generative Adversarial Networks (GANs)

1.3.4 Variational Autoencoders (VAEs)

1.3.5 Reinforcement Learning (RL)

1.3.6 Evolutionary Algorithms (EAs)

1.3.7 Others

1.4 Global Generative AI in Robotics Market by Application

1.4.1 Overview: Global Generative AI in Robotics Market Size by Application: 2019 Versus 2023 Versus 2030

1.4.2 Robot Design

1.4.3 Control Policies

1.4.4 Path Planning

1.4.5 Simulation and Testing

1.4.6 Human-Robot Interaction

1.4.7 Others

1.5 Global Generative AI in Robotics Market Size & Forecast

1.6 Global Generative AI in Robotics Market Size and Forecast by Region

1.6.1 Global Generative AI in Robotics Market Size by Region: 2019 VS 2023 VS 2030

1.6.2 Global Generative AI in Robotics Market Size by Region, (2019-2030)

1.6.3 North America Generative AI in Robotics Market Size and Prospect (2019-2030)

1.6.4 Europe Generative AI in Robotics Market Size and Prospect (2019-2030)

1.6.5 Asia-Pacific Generative AI in Robotics Market Size and Prospect (2019-2030)

1.6.6 South America Generative AI in Robotics Market Size and Prospect (2019-2030)

1.6.7 Middle East & Africa Generative AI in Robotics Market Size and Prospect (2019-2030)

### 2 COMPANY PROFILES

2.1 NVIDIA Robotics

- 2.1.1 NVIDIA Robotics Details
- 2.1.2 NVIDIA Robotics Major Business
- 2.1.3 NVIDIA Robotics Generative AI in Robotics Product and Solutions
- 2.1.4 NVIDIA Robotics Generative AI in Robotics Revenue, Gross Margin and Market Share (2019-2024)
- 2.1.5 NVIDIA Robotics Recent Developments and Future Plans
- 2.2 OpenAI
  - 2.2.1 OpenAI Details
  - 2.2.2 OpenAI Major Business
  - 2.2.3 OpenAI Generative AI in Robotics Product and Solutions
  - 2.2.4 OpenAI Generative AI in Robotics Revenue, Gross Margin and Market Share (2019-2024)
  - 2.2.5 OpenAI Recent Developments and Future Plans
- 2.3 IBM Watson
  - 2.3.1 IBM Watson Details
  - 2.3.2 IBM Watson Major Business
  - 2.3.3 IBM Watson Generative AI in Robotics Product and Solutions
  - 2.3.4 IBM Watson Generative AI in Robotics Revenue, Gross Margin and Market Share (2019-2024)
  - 2.3.5 IBM Watson Recent Developments and Future Plans
- 2.4 Boston Dynamics
  - 2.4.1 Boston Dynamics Details
  - 2.4.2 Boston Dynamics Major Business
  - 2.4.3 Boston Dynamics Generative AI in Robotics Product and Solutions
  - 2.4.4 Boston Dynamics Generative AI in Robotics Revenue, Gross Margin and Market Share (2019-2024)
  - 2.4.5 Boston Dynamics Recent Developments and Future Plans
- 2.5 Collaborative Robotics
  - 2.5.1 Collaborative Robotics Details
  - 2.5.2 Collaborative Robotics Major Business
  - 2.5.3 Collaborative Robotics Generative AI in Robotics Product and Solutions
  - 2.5.4 Collaborative Robotics Generative AI in Robotics Revenue, Gross Margin and Market Share (2019-2024)
  - 2.5.5 Collaborative Robotics Recent Developments and Future Plans
- 2.6 Covariant
  - 2.6.1 Covariant Details
  - 2.6.2 Covariant Major Business
  - 2.6.3 Covariant Generative AI in Robotics Product and Solutions
  - 2.6.4 Covariant Generative AI in Robotics Revenue, Gross Margin and Market Share

(2019-2024)

2.6.5 Covariant Recent Developments and Future Plans

2.7 Sanctuary AI

2.7.1 Sanctuary AI Details

2.7.2 Sanctuary AI Major Business

2.7.3 Sanctuary AI Generative AI in Robotics Product and Solutions

2.7.4 Sanctuary AI Generative AI in Robotics Revenue, Gross Margin and Market Share (2019-2024)

2.7.5 Sanctuary AI Recent Developments and Future Plans

2.8 Unitree Robotics

2.8.1 Unitree Robotics Details

2.8.2 Unitree Robotics Major Business

2.8.3 Unitree Robotics Generative AI in Robotics Product and Solutions

2.8.4 Unitree Robotics Generative AI in Robotics Revenue, Gross Margin and Market Share (2019-2024)

2.8.5 Unitree Robotics Recent Developments and Future Plans

2.9 KUKA Robotics

2.9.1 KUKA Robotics Details

2.9.2 KUKA Robotics Major Business

2.9.3 KUKA Robotics Generative AI in Robotics Product and Solutions

2.9.4 KUKA Robotics Generative AI in Robotics Revenue, Gross Margin and Market Share (2019-2024)

2.9.5 KUKA Robotics Recent Developments and Future Plans

2.10 ABB Robotics

2.10.1 ABB Robotics Details

2.10.2 ABB Robotics Major Business

2.10.3 ABB Robotics Generative AI in Robotics Product and Solutions

2.10.4 ABB Robotics Generative AI in Robotics Revenue, Gross Margin and Market Share (2019-2024)

2.10.5 ABB Robotics Recent Developments and Future Plans

2.11 Meta AI

2.11.1 Meta AI Details

2.11.2 Meta AI Major Business

2.11.3 Meta AI Generative AI in Robotics Product and Solutions

2.11.4 Meta AI Generative AI in Robotics Revenue, Gross Margin and Market Share (2019-2024)

2.11.5 Meta AI Recent Developments and Future Plans

### **3 MARKET COMPETITION, BY PLAYERS**



- 3.1 Global Generative AI in Robotics Revenue and Share by Players (2019-2024)
- 3.2 Market Share Analysis (2023)
  - 3.2.1 Market Share of Generative AI in Robotics by Company Revenue
  - 3.2.2 Top 3 Generative AI in Robotics Players Market Share in 2023
  - 3.2.3 Top 6 Generative AI in Robotics Players Market Share in 2023
- 3.3 Generative AI in Robotics Market: Overall Company Footprint Analysis
  - 3.3.1 Generative AI in Robotics Market: Region Footprint
  - 3.3.2 Generative AI in Robotics Market: Company Product Type Footprint
  - 3.3.3 Generative AI in Robotics Market: Company Product Application Footprint
- 3.4 New Market Entrants and Barriers to Market Entry
- 3.5 Mergers, Acquisition, Agreements, and Collaborations

## **4 MARKET SIZE SEGMENT BY TYPE**

- 4.1 Global Generative AI in Robotics Consumption Value and Market Share by Type (2019-2024)
- 4.2 Global Generative AI in Robotics Market Forecast by Type (2025-2030)

## **5 MARKET SIZE SEGMENT BY APPLICATION**

- 5.1 Global Generative AI in Robotics Consumption Value Market Share by Application (2019-2024)
- 5.2 Global Generative AI in Robotics Market Forecast by Application (2025-2030)

## **6 NORTH AMERICA**

- 6.1 North America Generative AI in Robotics Consumption Value by Type (2019-2030)
- 6.2 North America Generative AI in Robotics Market Size by Application (2019-2030)
- 6.3 North America Generative AI in Robotics Market Size by Country
  - 6.3.1 North America Generative AI in Robotics Consumption Value by Country (2019-2030)
  - 6.3.2 United States Generative AI in Robotics Market Size and Forecast (2019-2030)
  - 6.3.3 Canada Generative AI in Robotics Market Size and Forecast (2019-2030)
  - 6.3.4 Mexico Generative AI in Robotics Market Size and Forecast (2019-2030)

## **7 EUROPE**

- 7.1 Europe Generative AI in Robotics Consumption Value by Type (2019-2030)

7.2 Europe Generative AI in Robotics Consumption Value by Application (2019-2030)

7.3 Europe Generative AI in Robotics Market Size by Country

7.3.1 Europe Generative AI in Robotics Consumption Value by Country (2019-2030)

7.3.2 Germany Generative AI in Robotics Market Size and Forecast (2019-2030)

7.3.3 France Generative AI in Robotics Market Size and Forecast (2019-2030)

7.3.4 United Kingdom Generative AI in Robotics Market Size and Forecast (2019-2030)

7.3.5 Russia Generative AI in Robotics Market Size and Forecast (2019-2030)

7.3.6 Italy Generative AI in Robotics Market Size and Forecast (2019-2030)

## **8 ASIA-PACIFIC**

8.1 Asia-Pacific Generative AI in Robotics Consumption Value by Type (2019-2030)

8.2 Asia-Pacific Generative AI in Robotics Consumption Value by Application (2019-2030)

8.3 Asia-Pacific Generative AI in Robotics Market Size by Region

8.3.1 Asia-Pacific Generative AI in Robotics Consumption Value by Region (2019-2030)

8.3.2 China Generative AI in Robotics Market Size and Forecast (2019-2030)

8.3.3 Japan Generative AI in Robotics Market Size and Forecast (2019-2030)

8.3.4 South Korea Generative AI in Robotics Market Size and Forecast (2019-2030)

8.3.5 India Generative AI in Robotics Market Size and Forecast (2019-2030)

8.3.6 Southeast Asia Generative AI in Robotics Market Size and Forecast (2019-2030)

8.3.7 Australia Generative AI in Robotics Market Size and Forecast (2019-2030)

## **9 SOUTH AMERICA**

9.1 South America Generative AI in Robotics Consumption Value by Type (2019-2030)

9.2 South America Generative AI in Robotics Consumption Value by Application (2019-2030)

9.3 South America Generative AI in Robotics Market Size by Country

9.3.1 South America Generative AI in Robotics Consumption Value by Country (2019-2030)

9.3.2 Brazil Generative AI in Robotics Market Size and Forecast (2019-2030)

9.3.3 Argentina Generative AI in Robotics Market Size and Forecast (2019-2030)

## **10 MIDDLE EAST & AFRICA**

10.1 Middle East & Africa Generative AI in Robotics Consumption Value by Type

(2019-2030)

10.2 Middle East & Africa Generative AI in Robotics Consumption Value by Application  
(2019-2030)

10.3 Middle East & Africa Generative AI in Robotics Market Size by Country

10.3.1 Middle East & Africa Generative AI in Robotics Consumption Value by Country  
(2019-2030)

10.3.2 Turkey Generative AI in Robotics Market Size and Forecast (2019-2030)

10.3.3 Saudi Arabia Generative AI in Robotics Market Size and Forecast (2019-2030)

10.3.4 UAE Generative AI in Robotics Market Size and Forecast (2019-2030)

## **11 MARKET DYNAMICS**

11.1 Generative AI in Robotics Market Drivers

11.2 Generative AI in Robotics Market Restraints

11.3 Generative AI in Robotics Trends Analysis

11.4 Porters Five Forces Analysis

11.4.1 Threat of New Entrants

11.4.2 Bargaining Power of Suppliers

11.4.3 Bargaining Power of Buyers

11.4.4 Threat of Substitutes

11.4.5 Competitive Rivalry

## **12 INDUSTRY CHAIN ANALYSIS**

12.1 Generative AI in Robotics Industry Chain

12.2 Generative AI in Robotics Upstream Analysis

12.3 Generative AI in Robotics Midstream Analysis

12.4 Generative AI in Robotics Downstream Analysis

## **13 RESEARCH FINDINGS AND CONCLUSION**

## **14 APPENDIX**

14.1 Methodology

14.2 Research Process and Data Source

14.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Generative AI in Robotics Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Generative AI in Robotics Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Global Generative AI in Robotics Consumption Value by Region (2019-2024) & (USD Million)

Table 4. Global Generative AI in Robotics Consumption Value by Region (2025-2030) & (USD Million)

Table 5. NVIDIA Robotics Company Information, Head Office, and Major Competitors

Table 6. NVIDIA Robotics Major Business

Table 7. NVIDIA Robotics Generative AI in Robotics Product and Solutions

Table 8. NVIDIA Robotics Generative AI in Robotics Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 9. NVIDIA Robotics Recent Developments and Future Plans

Table 10. OpenAI Company Information, Head Office, and Major Competitors

Table 11. OpenAI Major Business

Table 12. OpenAI Generative AI in Robotics Product and Solutions

Table 13. OpenAI Generative AI in Robotics Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 14. OpenAI Recent Developments and Future Plans

Table 15. IBM Watson Company Information, Head Office, and Major Competitors

Table 16. IBM Watson Major Business

Table 17. IBM Watson Generative AI in Robotics Product and Solutions

Table 18. IBM Watson Generative AI in Robotics Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 19. Boston Dynamics Company Information, Head Office, and Major Competitors

Table 20. Boston Dynamics Major Business

Table 21. Boston Dynamics Generative AI in Robotics Product and Solutions

Table 22. Boston Dynamics Generative AI in Robotics Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 23. Boston Dynamics Recent Developments and Future Plans

Table 24. Collaborative Robotics Company Information, Head Office, and Major Competitors

Table 25. Collaborative Robotics Major Business

Table 26. Collaborative Robotics Generative AI in Robotics Product and Solutions

Table 27. Collaborative Robotics Generative AI in Robotics Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 28. Collaborative Robotics Recent Developments and Future Plans

Table 29. Covariant Company Information, Head Office, and Major Competitors

Table 30. Covariant Major Business

Table 31. Covariant Generative AI in Robotics Product and Solutions

Table 32. Covariant Generative AI in Robotics Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 33. Covariant Recent Developments and Future Plans

Table 34. Sanctuary AI Company Information, Head Office, and Major Competitors

Table 35. Sanctuary AI Major Business

Table 36. Sanctuary AI Generative AI in Robotics Product and Solutions

Table 37. Sanctuary AI Generative AI in Robotics Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 38. Sanctuary AI Recent Developments and Future Plans

Table 39. Unitree Robotics Company Information, Head Office, and Major Competitors

Table 40. Unitree Robotics Major Business

Table 41. Unitree Robotics Generative AI in Robotics Product and Solutions

Table 42. Unitree Robotics Generative AI in Robotics Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 43. Unitree Robotics Recent Developments and Future Plans

Table 44. KUKA Robotics Company Information, Head Office, and Major Competitors

Table 45. KUKA Robotics Major Business

Table 46. KUKA Robotics Generative AI in Robotics Product and Solutions

Table 47. KUKA Robotics Generative AI in Robotics Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 48. KUKA Robotics Recent Developments and Future Plans

Table 49. ABB Robotics Company Information, Head Office, and Major Competitors

Table 50. ABB Robotics Major Business

Table 51. ABB Robotics Generative AI in Robotics Product and Solutions

Table 52. ABB Robotics Generative AI in Robotics Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 53. ABB Robotics Recent Developments and Future Plans

Table 54. Meta AI Company Information, Head Office, and Major Competitors

Table 55. Meta AI Major Business

Table 56. Meta AI Generative AI in Robotics Product and Solutions

Table 57. Meta AI Generative AI in Robotics Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 58. Meta AI Recent Developments and Future Plans

Table 59. Global Generative AI in Robotics Revenue (USD Million) by Players (2019-2024)

Table 60. Global Generative AI in Robotics Revenue Share by Players (2019-2024)

Table 61. Breakdown of Generative AI in Robotics by Company Type (Tier 1, Tier 2, and Tier 3)

Table 62. Market Position of Players in Generative AI in Robotics, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2023

Table 63. Head Office of Key Generative AI in Robotics Players

Table 64. Generative AI in Robotics Market: Company Product Type Footprint

Table 65. Generative AI in Robotics Market: Company Product Application Footprint

Table 66. Generative AI in Robotics New Market Entrants and Barriers to Market Entry

Table 67. Generative AI in Robotics Mergers, Acquisition, Agreements, and Collaborations

Table 68. Global Generative AI in Robotics Consumption Value (USD Million) by Type (2019-2024)

Table 69. Global Generative AI in Robotics Consumption Value Share by Type (2019-2024)

Table 70. Global Generative AI in Robotics Consumption Value Forecast by Type (2025-2030)

Table 71. Global Generative AI in Robotics Consumption Value by Application (2019-2024)

Table 72. Global Generative AI in Robotics Consumption Value Forecast by Application (2025-2030)

Table 73. North America Generative AI in Robotics Consumption Value by Type (2019-2024) & (USD Million)

Table 74. North America Generative AI in Robotics Consumption Value by Type (2025-2030) & (USD Million)

Table 75. North America Generative AI in Robotics Consumption Value by Application (2019-2024) & (USD Million)

Table 76. North America Generative AI in Robotics Consumption Value by Application (2025-2030) & (USD Million)

Table 77. North America Generative AI in Robotics Consumption Value by Country (2019-2024) & (USD Million)

Table 78. North America Generative AI in Robotics Consumption Value by Country (2025-2030) & (USD Million)

Table 79. Europe Generative AI in Robotics Consumption Value by Type (2019-2024) & (USD Million)

Table 80. Europe Generative AI in Robotics Consumption Value by Type (2025-2030) & (USD Million)

Table 81. Europe Generative AI in Robotics Consumption Value by Application (2019-2024) & (USD Million)

Table 82. Europe Generative AI in Robotics Consumption Value by Application (2025-2030) & (USD Million)

Table 83. Europe Generative AI in Robotics Consumption Value by Country (2019-2024) & (USD Million)

Table 84. Europe Generative AI in Robotics Consumption Value by Country (2025-2030) & (USD Million)

Table 85. Asia-Pacific Generative AI in Robotics Consumption Value by Type (2019-2024) & (USD Million)

Table 86. Asia-Pacific Generative AI in Robotics Consumption Value by Type (2025-2030) & (USD Million)

Table 87. Asia-Pacific Generative AI in Robotics Consumption Value by Application (2019-2024) & (USD Million)

Table 88. Asia-Pacific Generative AI in Robotics Consumption Value by Application (2025-2030) & (USD Million)

Table 89. Asia-Pacific Generative AI in Robotics Consumption Value by Region (2019-2024) & (USD Million)

Table 90. Asia-Pacific Generative AI in Robotics Consumption Value by Region (2025-2030) & (USD Million)

Table 91. South America Generative AI in Robotics Consumption Value by Type (2019-2024) & (USD Million)

Table 92. South America Generative AI in Robotics Consumption Value by Type (2025-2030) & (USD Million)

Table 93. South America Generative AI in Robotics Consumption Value by Application (2019-2024) & (USD Million)

Table 94. South America Generative AI in Robotics Consumption Value by Application (2025-2030) & (USD Million)

Table 95. South America Generative AI in Robotics Consumption Value by Country (2019-2024) & (USD Million)

Table 96. South America Generative AI in Robotics Consumption Value by Country (2025-2030) & (USD Million)

Table 97. Middle East & Africa Generative AI in Robotics Consumption Value by Type (2019-2024) & (USD Million)

Table 98. Middle East & Africa Generative AI in Robotics Consumption Value by Type (2025-2030) & (USD Million)

Table 99. Middle East & Africa Generative AI in Robotics Consumption Value by Application (2019-2024) & (USD Million)

Table 100. Middle East & Africa Generative AI in Robotics Consumption Value by

Application (2025-2030) & (USD Million)

Table 101. Middle East & Africa Generative AI in Robotics Consumption Value by Country (2019-2024) & (USD Million)

Table 102. Middle East & Africa Generative AI in Robotics Consumption Value by Country (2025-2030) & (USD Million)

Table 103. Global Key Players of Generative AI in Robotics Upstream (Raw Materials)

Table 104. Global Generative AI in Robotics Typical Customers



## List Of Figures

### LIST OF FIGURES

- Figure 1. Generative AI in Robotics Picture
- Figure 2. Global Generative AI in Robotics Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Figure 3. Global Generative AI in Robotics Consumption Value Market Share by Type in 2023
- Figure 4. Generative Adversarial Networks (GANs)
- Figure 5. Variational Autoencoders (VAEs)
- Figure 6. Reinforcement Learning (RL)
- Figure 7. Evolutionary Algorithms (EAs)
- Figure 8. Others
- Figure 9. Global Generative AI in Robotics Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Figure 10. Generative AI in Robotics Consumption Value Market Share by Application in 2023
- Figure 11. Robot Design Picture
- Figure 12. Control Policies Picture
- Figure 13. Path Planning Picture
- Figure 14. Simulation and Testing Picture
- Figure 15. Human-Robot Interaction Picture
- Figure 16. Others Picture
- Figure 17. Global Generative AI in Robotics Consumption Value, (USD Million): 2019 & 2023 & 2030
- Figure 18. Global Generative AI in Robotics Consumption Value and Forecast (2019-2030) & (USD Million)
- Figure 19. Global Market Generative AI in Robotics Consumption Value (USD Million) Comparison by Region (2019 VS 2023 VS 2030)
- Figure 20. Global Generative AI in Robotics Consumption Value Market Share by Region (2019-2030)
- Figure 21. Global Generative AI in Robotics Consumption Value Market Share by Region in 2023
- Figure 22. North America Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)
- Figure 23. Europe Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)
- Figure 24. Asia-Pacific Generative AI in Robotics Consumption Value (2019-2030) &

(USD Million)

Figure 25. South America Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 26. Middle East & Africa Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 27. Company Three Recent Developments and Future Plans

Figure 28. Global Generative AI in Robotics Revenue Share by Players in 2023

Figure 29. Generative AI in Robotics Market Share by Company Type (Tier 1, Tier 2, and Tier 3) in 2023

Figure 30. Market Share of Generative AI in Robotics by Player Revenue in 2023

Figure 31. Top 3 Generative AI in Robotics Players Market Share in 2023

Figure 32. Top 6 Generative AI in Robotics Players Market Share in 2023

Figure 33. Global Generative AI in Robotics Consumption Value Share by Type (2019-2024)

Figure 34. Global Generative AI in Robotics Market Share Forecast by Type (2025-2030)

Figure 35. Global Generative AI in Robotics Consumption Value Share by Application (2019-2024)

Figure 36. Global Generative AI in Robotics Market Share Forecast by Application (2025-2030)

Figure 37. North America Generative AI in Robotics Consumption Value Market Share by Type (2019-2030)

Figure 38. North America Generative AI in Robotics Consumption Value Market Share by Application (2019-2030)

Figure 39. North America Generative AI in Robotics Consumption Value Market Share by Country (2019-2030)

Figure 40. United States Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 41. Canada Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 42. Mexico Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 43. Europe Generative AI in Robotics Consumption Value Market Share by Type (2019-2030)

Figure 44. Europe Generative AI in Robotics Consumption Value Market Share by Application (2019-2030)

Figure 45. Europe Generative AI in Robotics Consumption Value Market Share by Country (2019-2030)

Figure 46. Germany Generative AI in Robotics Consumption Value (2019-2030) & (USD

Million)

Figure 47. France Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 48. United Kingdom Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 49. Russia Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 50. Italy Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 51. Asia-Pacific Generative AI in Robotics Consumption Value Market Share by Type (2019-2030)

Figure 52. Asia-Pacific Generative AI in Robotics Consumption Value Market Share by Application (2019-2030)

Figure 53. Asia-Pacific Generative AI in Robotics Consumption Value Market Share by Region (2019-2030)

Figure 54. China Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 55. Japan Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 56. South Korea Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 57. India Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 58. Southeast Asia Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 59. Australia Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 60. South America Generative AI in Robotics Consumption Value Market Share by Type (2019-2030)

Figure 61. South America Generative AI in Robotics Consumption Value Market Share by Application (2019-2030)

Figure 62. South America Generative AI in Robotics Consumption Value Market Share by Country (2019-2030)

Figure 63. Brazil Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 64. Argentina Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 65. Middle East & Africa Generative AI in Robotics Consumption Value Market Share by Type (2019-2030)

Figure 66. Middle East & Africa Generative AI in Robotics Consumption Value Market Share by Application (2019-2030)

Figure 67. Middle East & Africa Generative AI in Robotics Consumption Value Market Share by Country (2019-2030)

Figure 68. Turkey Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 69. Saudi Arabia Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 70. UAE Generative AI in Robotics Consumption Value (2019-2030) & (USD Million)

Figure 71. Generative AI in Robotics Market Drivers

Figure 72. Generative AI in Robotics Market Restraints

Figure 73. Generative AI in Robotics Market Trends

Figure 74. Porters Five Forces Analysis

Figure 75. Generative AI in Robotics Industrial Chain

Figure 76. Methodology

Figure 77. Research Process and Data Source

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