

Robotics Technology Market Report by Component (Hardware, Software, Services), Robot Type (Traditional Industrial Robots, Cobots, Professional Service Robots, and Others), Application (Manufacturing, Healthcare, Aerospace and Defence, Media and Entertainment, Logistics, and Others), and Region 2024-2032

<https://marketpublishers.com/r/R58D51E4C0EDEN.html>

Date: April 2024

Pages: 137

Price: US\$ 3,899.00 (Single User License)

ID: R58D51E4C0EDEN

Abstracts

The global robotics technology market size reached US\$ 98.6 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 228.7 Billion by 2032, exhibiting a growth rate (CAGR) of 9.51% during 2024-2032.

The field of robotics technology involves the fusion of technologies and engineering disciplines, such as mechanical engineering, computer science, electronics, and electrical engineering, to produce machines called robots that resemble human beings. An AI robot can mimic human behavior or be a robot application, like robotic process automation (RPA), which simulates how humans interact with software to accomplish repetitive, rules-based tasks. Robotics technology aims to create Intelligent machines that enhance an organization's performance and produce better results. New applications for service robots are being developed due to their numerous advantages, such as increased productivity, streamlined processes, and greater workplace safety. Furthermore, robotic technology allows for a reduction in operational costs and a high return on investment.

Robotics Technology Market Trends:

The market is majorly driven by the increasing adoption of robots in various end-use industries, such as automotive, manufacturing, food and beverage, and electronics. This

can be attributed to the escalating demand for customized business operation solutions. Furthermore, the rapid adoption of robotics technology in telesurgery, parenteral nutrition and disabled patient care in the healthcare sector is resulting in a higher product update. Apart from this, the growing usage of robotics in military and defense sectors for monitoring, bomb dispersal, and mine detection is providing an impetus to the market. In line with this, a significant shift towards the implementation of artificial intelligence, machine learning, industrial internet of things (IIoT), and human-machine interface technology is impacting the market positively. Some of the other factors contributing to the market growth include continual developments in inventive, energy-efficient and cost-effective robots, rapid urbanization and industrialization, the widespread product adoption in SMEs, increasing penetration of high-speed internet, and extensive research and development (R&D) activities.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global robotics technology market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on component, robot type and application.

Breakup by Component:

- Hardware
- Software
- Services

Breakup by Robot Type:

- Traditional Industrial Robots
- Cobots
- Professional Service Robots
- Others

Breakup by Application:

- Manufacturing
- Healthcare
- Aerospace and Defence
- Media and Entertainment
- Logistics

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 ABB Ltd., DENSO Corporation, FANUC Corporation, Kawasaki Heavy Industries Ltd., KUKA AG (Midea Group), Mitsubishi Electric Corporation, OMRON Corporation, Seiko Epson Corporation, St?ubli International AG and Yaskawa Electric Corporation.

Key Questions Answered in This Report

1. What was the size of the global robotics technology market in 2023?

2. What is the expected growth rate of the global robotics technology market during 2024-2032?
3. What are the key factors driving the global robotics technology market?
4. What has been the impact of COVID-19 on the global robotics technology market?
5. What is the breakup of the global robotics technology market based on the component?
6. What is the breakup of the global robotics technology market based on the robot type?
7. What are the key regions in the global robotics technology market?
8. Who are the key players/companies in the global robotics technology market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL ROBOTICS TECHNOLOGY MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY COMPONENT

- 6.1 Hardware
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Software
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Services

6.3.1 Market Trends

6.3.2 Market Forecast

7 MARKET BREAKUP BY ROBOT TYPE

7.1 Traditional Industrial Robots

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Cobots

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Professional Service Robots

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Others

7.4.1 Market Trends

7.4.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

8.1 Manufacturing

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Healthcare

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Aerospace and Defence

8.3.1 Market Trends

8.3.2 Market Forecast

8.4 Media and Entertainment

8.4.1 Market Trends

8.4.2 Market Forecast

8.5 Logistics

8.5.1 Market Trends

8.5.2 Market Forecast

8.6 Others

8.6.1 Market Trends

8.6.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America

9.1.1 United States

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

9.1.2 Canada

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

9.2 Asia-Pacific

9.2.1 China

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

9.2.2 Japan

9.2.2.1 Market Trends

9.2.2.2 Market Forecast

9.2.3 India

9.2.3.1 Market Trends

9.2.3.2 Market Forecast

9.2.4 South Korea

9.2.4.1 Market Trends

9.2.4.2 Market Forecast

9.2.5 Australia

9.2.5.1 Market Trends

9.2.5.2 Market Forecast

9.2.6 Indonesia

9.2.6.1 Market Trends

9.2.6.2 Market Forecast

9.2.7 Others

9.2.7.1 Market Trends

9.2.7.2 Market Forecast

9.3 Europe

9.3.1 Germany

9.3.1.1 Market Trends

9.3.1.2 Market Forecast

9.3.2 France

9.3.2.1 Market Trends

9.3.2.2 Market Forecast

9.3.3 United Kingdom

- 9.3.3.1 Market Trends
- 9.3.3.2 Market Forecast
- 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
- 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
- 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
- 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast

10 SWOT ANALYSIS

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 ABB Ltd.
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.1.4 SWOT Analysis
 - 14.3.2 DENSO Corporation
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.2.4 SWOT Analysis
 - 14.3.3 FANUC Corporation
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.3.4 SWOT Analysis
 - 14.3.4 Kawasaki Heavy Industries Ltd.
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.4.3 Financials
 - 14.3.4.4 SWOT Analysis
 - 14.3.5 KUKA AG (Midea Group)
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio

- 14.3.5.3 Financials
- 14.3.5.4 SWOT Analysis
- 14.3.6 Mitsubishi Electric Corporation
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
 - 14.3.6.4 SWOT Analysis
- 14.3.7 OMRON Corporation
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials
 - 14.3.7.4 SWOT Analysis
- 14.3.8 Seiko Epson Corporation
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
 - 14.3.8.3 Financials
 - 14.3.8.4 SWOT Analysis
- 14.3.9 St?ubli International AG
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
- 14.3.10 Yaskawa Electric Corporation
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 Financials

List Of Tables

LIST OF TABLES

Table 1: Global: Robotics Technology Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Robotics Technology Market Forecast: Breakup by Component (in Million US\$), 2024-2032

Table 3: Global: Robotics Technology Market Forecast: Breakup by Robot Type (in Million US\$), 2024-2032

Table 4: Global: Robotics Technology Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 5: Global: Robotics Technology Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 6: Global: Robotics Technology Market: Competitive Structure

Table 7: Global: Robotics Technology Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Robotics Technology Market: Major Drivers and Challenges

Figure 2: Global: Robotics Technology Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Robotics Technology Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 4: Global: Robotics Technology Market: Breakup by Component (in %), 2023

Figure 5: Global: Robotics Technology Market: Breakup by Robot Type (in %), 2023

Figure 6: Global: Robotics Technology Market: Breakup by Application (in %), 2023

Figure 7: Global: Robotics Technology Market: Breakup by Region (in %), 2023

Figure 8: Global: Robotics Technology (Hardware) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 9: Global: Robotics Technology (Hardware) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 10: Global: Robotics Technology (Software) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 11: Global: Robotics Technology (Software) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 12: Global: Robotics Technology (Services) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 13: Global: Robotics Technology (Services) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 14: Global: Robotics Technology (Traditional Industrial Robots) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 15: Global: Robotics Technology (Traditional Industrial Robots) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 16: Global: Robotics Technology (Cobots) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 17: Global: Robotics Technology (Cobots) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 18: Global: Robotics Technology (Professional Service Robots) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 19: Global: Robotics Technology (Professional Service Robots) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 20: Global: Robotics Technology (Other Robot Types) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 21: Global: Robotics Technology (Other Robot Types) Market Forecast: Sales

Value (in Million US\$), 2024-2032

Figure 22: Global: Robotics Technology (Manufacturing) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 23: Global: Robotics Technology (Manufacturing) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 24: Global: Robotics Technology (Healthcare) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 25: Global: Robotics Technology (Healthcare) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 26: Global: Robotics Technology (Aerospace and Defence) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 27: Global: Robotics Technology (Aerospace and Defence) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 28: Global: Robotics Technology (Media and Entertainment) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 29: Global: Robotics Technology (Media and Entertainment) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 30: Global: Robotics Technology (Logistics) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 31: Global: Robotics Technology (Logistics) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 32: Global: Robotics Technology (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 33: Global: Robotics Technology (Other Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 34: North America: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 35: North America: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 36: United States: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 37: United States: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 38: Canada: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 39: Canada: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 40: Asia-Pacific: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 41: Asia-Pacific: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 42: China: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 43: China: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 44: Japan: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 45: Japan: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 46: India: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 47: India: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 48: South Korea: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 49: South Korea: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 50: Australia: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 51: Australia: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 52: Indonesia: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 53: Indonesia: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 54: Others: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 55: Others: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 56: Europe: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 57: Europe: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 58: Germany: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 59: Germany: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 60: France: Robotics Technology Market: Sales Value (in Million US\$), 2018 &

2023

Figure 61: France: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 62: United Kingdom: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 63: United Kingdom: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 64: Italy: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 65: Italy: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 66: Spain: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 67: Spain: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 68: Russia: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 69: Russia: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 70: Others: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 71: Others: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 72: Latin America: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 73: Latin America: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 74: Brazil: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 75: Brazil: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 76: Mexico: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 77: Mexico: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 78: Others: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 79: Others: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 80: Middle East and Africa: Robotics Technology Market: Sales Value (in Million US\$), 2018 & 2023

Figure 81: Middle East and Africa: Robotics Technology Market: Breakup by Country (in %), 2023

Figure 82: Middle East and Africa: Robotics Technology Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 83: Global: Robotics Technology Industry: SWOT Analysis

Figure 84: Global: Robotics Technology Industry: Value Chain Analysis

Figure 85: Global: Robotics Technology Industry: Porter's Five Forces Analysis

I would like to order

Product name: Robotics Technology Market Report by Component (Hardware, Software, Services), Robot Type (Traditional Industrial Robots, Cobots, Professional Service Robots, and Others), Application (Manufacturing, Healthcare, Aerospace and Defence, Media and Entertainment, Logistics, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/R58D51E4C0EDEN.html>

Price: US\$ 3,899.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/R58D51E4C0EDEN.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