

# Pharmaceutical Collaborative Robots Market Size, Trends, Analysis, and Outlook By Application (Picking and Packaging, Inspection of Pharmaceutical Drugs, Laboratory Applications), By End-user (Pharmaceutical Companies, Research Laboratories), by Region, Country, Segment, and Companies, 2024-2030

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## Abstracts

The global Pharmaceutical Collaborative Robots market size is poised to register 13.57% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Pharmaceutical Collaborative Robots market across By Application (Picking and Packaging, Inspection of Pharmaceutical Drugs, Laboratory Applications), By End-user (Pharmaceutical Companies, Research Laboratories).

The Pharmaceutical Collaborative Robots market is witnessing significant growth driven by the increasing adoption of automation, robotics, and artificial intelligence (AI) technologies in pharmaceutical manufacturing, rising demand for flexible, scalable, and cost-effective manufacturing solutions, and growing emphasis on operational efficiency, productivity, and safety in pharmaceutical production facilities, driving the need for collaborative robots (cobots) and robotic automation systems to optimize manufacturing workflows, enhance workforce productivity, and improve manufacturing performance in pharmaceutical production, packaging, and quality control processes. Pharmaceutical collaborative robots are advanced robotic systems designed to work alongside human operators in pharmaceutical manufacturing environments, performing repetitive, hazardous, or ergonomically challenging tasks, such as material handling, pick-and-place operations, assembly, dispensing, inspection, labeling, and packaging, with

precision, accuracy, and safety, enabling pharmaceutical companies to achieve higher production outputs, product quality, and compliance with current good manufacturing practices (cGMP) and regulatory guidelines, while reducing labor costs, cycle times, and operational risks in pharmaceutical production facilities. Key factors driving market expansion include the increasing complexity and diversity of pharmaceutical manufacturing processes, products, and formulations, as well as the expanding demand for personalized medicines, specialty drugs, and biopharmaceuticals, driving the need for flexible, adaptive, and scalable manufacturing technologies, such as collaborative robots, to accommodate changing market demands, production volumes, and product portfolios in pharmaceutical manufacturing operations. Additionally, advancements in robotic automation technology, sensor technology, machine learning algorithms, and human-machine interface (HMI) systems, as well as the expanding application of collaborative robots in pharmaceutical manufacturing, quality control, and supply chain management, are driving industry innovation, investment, and collaboration opportunities in robotic automation solutions, shaping the future of pharmaceutical manufacturing as a digitally integrated, smart, and agile manufacturing ecosystem. Moreover, the increasing investments in pharmaceutical manufacturing infrastructure, digital transformation, and workforce development, as well as the growing emphasis on quality, compliance, and operational excellence in pharmaceutical operations, are driving market growth and expansion opportunities for pharmaceutical collaborative robot manufacturers, system integrators, and automation service providers, fostering a competitive landscape, market consolidation, and value creation in the pharmaceutical industry. Furthermore, the continuous focus on innovation, safety, and user experience in collaborative robot design and deployment, as well as the increasing emphasis on human-robot collaboration, interaction, and cooperation in pharmaceutical manufacturing environments, are driving industry transformation, regulatory reforms, and technology advancements aimed at enhancing the efficiency, productivity, and safety of pharmaceutical production operations, ensuring the highest standards of quality, reliability, and compliance for pharmaceutical products and patients worldwide. With the continuous commitment to innovation, collaboration, and automation, the Pharmaceutical Collaborative Robots market is poised for further growth and evolution in the coming years.

## Pharmaceutical Collaborative Robots Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Pharmaceutical Collaborative Robots market research analyses the global market trends, key drivers, challenges, and opportunities

in the industry. In addition, the latest Future of Pharmaceutical Collaborative Robots survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Pharmaceutical Collaborative Robots industry.

Key market trends defining the global Pharmaceutical Collaborative Robots demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Pharmaceutical Collaborative Robots Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Pharmaceutical Collaborative Robots industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Pharmaceutical Collaborative Robots companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Pharmaceutical Collaborative Robots industry

Leading Pharmaceutical Collaborative Robots companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Pharmaceutical Collaborative Robots companies.

Pharmaceutical Collaborative Robots Market Study- Strategic Analysis Review

The Pharmaceutical Collaborative Robots market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

## Pharmaceutical Collaborative Robots Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Pharmaceutical Collaborative Robots industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

## Pharmaceutical Collaborative Robots Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

## North America Pharmaceutical Collaborative Robots Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Pharmaceutical Collaborative Robots market segments. Similarly, Strong end-user demand is encouraging Canadian

Pharmaceutical Collaborative Robots companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Pharmaceutical Collaborative Robots market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Pharmaceutical Collaborative Robots Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Pharmaceutical Collaborative Robots industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Pharmaceutical Collaborative Robots market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Pharmaceutical Collaborative Robots Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Pharmaceutical Collaborative Robots in Asia Pacific. In particular, China, India, and South East Asian Pharmaceutical Collaborative Robots markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Pharmaceutical Collaborative Robots Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued

urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Pharmaceutical Collaborative Robots Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Pharmaceutical Collaborative Robots market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Pharmaceutical Collaborative Robots.

Pharmaceutical Collaborative Robots Market Company Profiles

The global Pharmaceutical Collaborative Robots market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are ABB Ltd, Denso Wave Inc, FANUC America Corp, Kawasaki Heavy Industries Ltd, Kuka AG, Mitsubishi Electric Corp, Universal Robots A/S, Yaskawa Electric Corp

Recent Pharmaceutical Collaborative Robots Market Developments

The global Pharmaceutical Collaborative Robots market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Pharmaceutical Collaborative Robots Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Application

Picking and Packaging

Inspection of Pharmaceutical Drugs

Laboratory Applications

By End-user

Pharmaceutical Companies

Research Laboratories

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

## Companies

ABB Ltd

Denso Wave Inc

FANUC America Corp

Kawasaki Heavy Industries Ltd

Kuka AG

Mitsubishi Electric Corp

Universal Robots A/S

Yaskawa Electric Corp

Formats Available: Excel, PDF, and PPT



## Contents

### **1. EXECUTIVE SUMMARY**

- 1.1 Pharmaceutical Collaborative Robots Market Overview and Key Findings, 2024
- 1.2 Pharmaceutical Collaborative Robots Market Size and Growth Outlook, 2021- 2030
- 1.3 Pharmaceutical Collaborative Robots Market Growth Opportunities to 2030
- 1.4 Key Pharmaceutical Collaborative Robots Market Trends and Challenges
  - 1.4.1 Pharmaceutical Collaborative Robots Market Drivers and Trends
  - 1.4.2 Pharmaceutical Collaborative Robots Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Pharmaceutical Collaborative Robots Companies

### **2. PHARMACEUTICAL COLLABORATIVE ROBOTS MARKET SIZE OUTLOOK TO 2030**

- 2.1 Pharmaceutical Collaborative Robots Market Size Outlook, USD Million, 2021- 2030
- 2.2 Pharmaceutical Collaborative Robots Incremental Market Growth Outlook, %, 2021-2030
- 2.3 Segment Snapshot, 2024

### **3. PHARMACEUTICAL COLLABORATIVE ROBOTS MARKET- STRATEGIC ANALYSIS REVIEW**

- 3.1 Porter's Five Forces Analysis
  - \* Threat of New Entrants
  - \* Threat of Substitutes
  - \* Intensity of Competitive Rivalry
  - \* Bargaining Power of Buyers
  - \* Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

### **4. PHARMACEUTICAL COLLABORATIVE ROBOTS MARKET SEGMENTATION ANALYSIS AND OUTLOOK**

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030

By Application

Picking and Packaging

Inspection of Pharmaceutical Drugs

Laboratory Applications

By End-user

Pharmaceutical Companies

Research Laboratories

4.3 Growth Prospects and Niche Opportunities, 2023- 2030

4.4 Regional comparison of Market Growth, CAGR, 2023-2030

## **5. REGION-WISE MARKET OUTLOOK TO 2030**

5.1 Key Findings for Asia Pacific Pharmaceutical Collaborative Robots Market, 2025

5.2 Asia Pacific Pharmaceutical Collaborative Robots Market Size Outlook by Type, 2021- 2030

5.3 Asia Pacific Pharmaceutical Collaborative Robots Market Size Outlook by Application, 2021- 2030

5.4 Key Findings for Europe Pharmaceutical Collaborative Robots Market, 2025

5.5 Europe Pharmaceutical Collaborative Robots Market Size Outlook by Type, 2021- 2030

5.6 Europe Pharmaceutical Collaborative Robots Market Size Outlook by Application, 2021- 2030

5.7 Key Findings for North America Pharmaceutical Collaborative Robots Market, 2025

5.8 North America Pharmaceutical Collaborative Robots Market Size Outlook by Type, 2021- 2030

5.9 North America Pharmaceutical Collaborative Robots Market Size Outlook by Application, 2021- 2030

5.10 Key Findings for South America Pharmaceutical Collaborative Robots Market, 2025

5.11 South America Pacific Pharmaceutical Collaborative Robots Market Size Outlook by Type, 2021- 2030

5.12 South America Pharmaceutical Collaborative Robots Market Size Outlook by Application, 2021- 2030

5.13 Key Findings for Middle East and Africa Pharmaceutical Collaborative Robots Market, 2025

5.14 Middle East Africa Pharmaceutical Collaborative Robots Market Size Outlook by Type, 2021- 2030

5.15 Middle East Africa Pharmaceutical Collaborative Robots Market Size Outlook by Application, 2021- 2030

## **6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030**

- 6.1 US Pharmaceutical Collaborative Robots Market Size Outlook and Revenue Growth Forecasts
- 6.2 US Pharmaceutical Collaborative Robots Industry Drivers and Opportunities
- 6.3 Canada Market Size Outlook and Revenue Growth Forecasts
- 6.4 Canada Pharmaceutical Collaborative Robots Industry Drivers and Opportunities
- 6.6 Mexico Market Size Outlook and Revenue Growth Forecasts
- 6.6 Mexico Pharmaceutical Collaborative Robots Industry Drivers and Opportunities
- 6.7 Germany Market Size Outlook and Revenue Growth Forecasts
- 6.8 Germany Pharmaceutical Collaborative Robots Industry Drivers and Opportunities
- 6.9 France Market Size Outlook and Revenue Growth Forecasts
- 6.10 France Pharmaceutical Collaborative Robots Industry Drivers and Opportunities
- 6.11 UK Market Size Outlook and Revenue Growth Forecasts
- 6.12 UK Pharmaceutical Collaborative Robots Industry Drivers and Opportunities
- 6.13 Spain Market Size Outlook and Revenue Growth Forecasts
- 6.14 Spain Pharmaceutical Collaborative Robots Industry Drivers and Opportunities
- 6.16 Italy Market Size Outlook and Revenue Growth Forecasts
- 6.16 Italy Pharmaceutical Collaborative Robots Industry Drivers and Opportunities
- 6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts
- 6.18 Rest of Europe Pharmaceutical Collaborative Robots Industry Drivers and Opportunities
- 6.19 China Market Size Outlook and Revenue Growth Forecasts
- 6.20 China Pharmaceutical Collaborative Robots Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India Pharmaceutical Collaborative Robots Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan Pharmaceutical Collaborative Robots Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Pharmaceutical Collaborative Robots Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Pharmaceutical Collaborative Robots Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Pharmaceutical Collaborative Robots Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Pharmaceutical Collaborative Robots Industry Drivers and

## Opportunities

6.33 Brazil Market Size Outlook and Revenue Growth Forecasts

6.34 Brazil Pharmaceutical Collaborative Robots Industry Drivers and Opportunities

6.36 Argentina Market Size Outlook and Revenue Growth Forecasts

6.36 Argentina Pharmaceutical Collaborative Robots Industry Drivers and Opportunities

6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts

6.38 Rest of South America Pharmaceutical Collaborative Robots Industry Drivers and Opportunities

6.39 Middle East Market Size Outlook and Revenue Growth Forecasts

6.40 Middle East Pharmaceutical Collaborative Robots Industry Drivers and Opportunities

6.41 Africa Market Size Outlook and Revenue Growth Forecasts

6.42 Africa Pharmaceutical Collaborative Robots Industry Drivers and Opportunities

## **7. PHARMACEUTICAL COLLABORATIVE ROBOTS MARKET OUTLOOK ACROSS SCENARIOS**

7.1 Low Growth Case

7.2 Reference Growth Case

7.3 High Growth Case

## **8. PHARMACEUTICAL COLLABORATIVE ROBOTS COMPANY PROFILES**

8.1 Profiles of Leading Pharmaceutical Collaborative Robots Companies in the Market

8.2 Business Descriptions, SWOT Analysis, and Growth Strategies

8.3 Financial Performance and Key Metrics

ABB Ltd

Denso Wave Inc

FANUC America Corp

Kawasaki Heavy Industries Ltd

Kuka AG

Mitsubishi Electric Corp

Universal Robots A/S

Yaskawa Electric Corp

## **9. APPENDIX**

9.1 Scope of the Report

9.2 Research Methodology and Data Sources

9.3 Glossary of Terms

9.4 Market Definitions

9.5 Contact Information

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