Pharmaceutical Robots Market: Global Industry Analysis, Trends, Market Size, and Forecasts up to 2030

Market Report | 2023-10-11 | 180 pages | Infinium Global Research and Consulting Solutions

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Report description:

The report on the global pharmaceutical robots market provides qualitative and quantitative analysis for the period from 2021-2030. The global pharmaceutical robots market was valued at USD 180.26 million in 2022 and is expected to reach USD 316.79 million in 2030, with a CAGR of 6.27% during the forecast period 2023-2030. The study on pharmaceutical robots market covers the analysis of the leading geographies such as North America, Europe, Asia Pacific, and RoW for the period of 2021-2030. Robots have become invaluable assets in life sciences, laboratories, and pharmaceutical applications, surpassing human capabilities in multiple aspects. They excel particularly in pharmaceutical manufacturing tasks due to their superior speed, cost-effectiveness, and consistency when compared to human labor. These robots operate at a pace that is three to four times faster than human workers and can operate continuously, 24 hours a day. Furthermore, they are meticulously designed to meet the stringent hygiene and precision requirements of the pharmaceutical industry. In the realm of pharmaceutical manufacturing, robots play a pivotal role in a wide spectrum of tasks, including machining, assembly, dispensing, machine operation, material removal, pick-and-place operations, ultrasonic welding, and test handling. According to the Association for Packaging and Processing Technologies (PMMI) in August 2023, it was projected that by the next five years, robots would have been integrated by 100 % of the companies for primary packaging facilities within the pharmaceutical sector, demonstrating their growing importance in the industry.

Pharmaceutical robots are pivotal in streamlining the production of large medication volumes, demanding higher levels of speed, precision, reliability, and adaptability. These indispensable efficiency criteria are achieved through process automation using robotic systems. Furthermore, the pharmaceutical robot market is propelled by continuous technological advancements in robotics and their widespread integration into the global pharmaceutical industry. However, it's important to note that the substantial investment required for automated manufacturing in the pharmaceutical sector may pose challenges to the growth of the Pharmaceutical Robots Market. Nevertheless, there is a silver lining as key industry players are consistently introducing state-of-the-art robotic machinery to optimize manufacturing processes. This proactive approach creates promising growth prospects for the Pharmaceutical Robots Market in the foreseeable future.

The Asia Pacific (APAC) region is expected to hold the most significant market share in pharmaceutical robots sector, with the largest market share, closely followed by Europe. This can be mainly attributed to the significant presence of major

pharmaceutical companies in countries like Japan and China, which is anticipated to be a key driver of market growth in this region. According to data from the International Federation of Robotics (IFR), China leads as the largest market for industrial robots, further underscoring APAC's prominence in this industry. Moreover, many countries in the APAC region offer third-party drug manufacturing services, bolstering their position in the pharmaceutical robots market. Additionally, due to the exceptionally high population in the APAC region, there is substantial demand for pharmaceutical products and medicines, driven by the increasing prevalence of chronic illnesses and influenza. As a result, numerous pharmaceutical companies are establishing a strong presence in the APAC region to tap into this growing market. Europe also commands a significant share in the pharmaceutical robot market, thanks to the widespread adoption of robotics in countries such as Germany, France, and the United Kingdom. Looking ahead, the North American region is poised to provide substantial growth opportunities for this market in the coming years. This can be attributed to the presence of pharmaceutical companies in the United States and a strong inclination towards automation to enhance operational efficiency within the pharmaceutical sector.

Report Findings
1) Drivers
- The rising need for higher levels of speed, precision, reliability, and adaptability in manufacturing large volumes of medications is driving the market growth.
- The pharmaceutical robot market is driven by ongoing technological advancements in robotic systems and their widespread adoption across the global pharmaceutical industry.
2) Restraints
- The substantial investment required for automated manufacturing in the pharmaceutical sector may pose challenges to the growth of the pharmaceutical robots market.
3) Opportunities
- Key players in this market are continually introducing cutting-edge robotic machinery to enhance manufacturing processes, thus creating growth opportunities for the pharmaceutical robots market in the foreseeable future.

Research Methodology
A) Primary Research
Our primary research involves extensive interviews and analysis of the opinions provided by the primary respondents. The primary research starts with identifying and approaching the primary respondents, the primary respondents are approached include
1. Key Opinion Leaders associated with Infinium Global Research
2. Internal and External subject matter experts
3. Professionals and participants from the industry

Our primary research respondents typically include
1. Executives working with leading companies in the market under review
2. Product/brand/marketing managers
3. CXO level executives
4. Regional/zonal/ country managers
5. Vice President level executives.

B) Secondary Research
Secondary research involves extensive exploring through the secondary sources of information available in both the public domain and paid sources. At Infinium Global Research, each research study is based on over 500 hours of secondary research accompanied by primary research. The information obtained through the secondary sources is validated through the crosscheck on various data sources.

The secondary sources of the data typically include
1. Company reports and publications
2. Government/institutional publications

3. Trade and associations journals
4. Databases such as WTO, OECD, World Bank, and among others.
5. Websites and publications by research agencies

Segment Covered
The global pharmaceutical robots market is segmented on the basis of type, and application.

The Global Pharmaceutical Robots Market by Type
- Traditional Robots
- Collaborative Pharmaceutical Robots

The Global Pharmaceutical Robots Market by Application
- Drugs Inspection
- Picking and Packaging
- Laboratory Applications

Company Profiles
The companies covered in the report include
- FANUC CORPORATION
- Kawasaki Heavy Industries, Ltd.
- ABB
- SHIBUYA CORPORATION
- Marchesini Group S.p.A.
- Mitsubishi Electric Corporation
- YASKAWA ELECTRIC CORPORATION
- Seiko Epson Corporation
- Universal Robots A/S
- Others

What does this Report Deliver?
1. Comprehensive analysis of the global as well as regional markets of the pharmaceutical robots market.
2. Complete coverage of all the segments in the pharmaceutical robots market to analyze the trends, developments in the global market and forecast of market size up to 2030.
3. Comprehensive analysis of the companies operating in the global pharmaceutical robots market. The company profile includes analysis of product portfolio, revenue, SWOT analysis and latest developments of the company.
4. IGR- Growth Matrix presents an analysis of the product segments and geographies that market players should focus to invest, consolidate, expand and/or diversify.

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