

Global Piece Picking Robots Market Size study & Forecast, by Type of Robot (Collaborative, Mobile), End-user Vertical (Pharmaceutical, Retail/Warehousing/Distribution Centers/Logistics Centers), and Regional Analysis, 2023-2030

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Abstracts

Global Piece Picking Robots Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than 62.5% over the forecast period 2023-2030. Piece-picking robots are effective in assisting employees by removing the need for labor to be committed to repetitive and crucial activities. These are the software-driven, hardware-supported solutions that manage the essential activity of selecting and positioning individual objects as part of a variety of workflows and processes. Piece-picking robots enhance performance and efficiency in intralogistics and order fulfillment for e-commerce. Currently, pick-and-place robots are often used in production environments. The process of collecting components or other items and placing them in various locations is ramped up by pick-and-place robotization. The market is driven by key factors such as rising adoption of E-commerce & Product Assortment and increasing Investments in Automation.

Robotic technology will be used to do 45% of all production by 2025, estimates Bank of America. Following this trend, major companies such as Foxconn Technology, a Chinese supplier for major technology companies such as Samsung, and Raymond Limited, an Indian textile giant, have replaced (or plan to replace) 10,000 and 60,000 workers, respectively, by integrating automated technology into their factories. Therefore, the market is driven by rising automation investment. Furthermore, according to inVia Robotics, Inc., employees' time spent moving about the warehouse accounts for over 50% of the total pick time and more than 50% of all operating expenses. Additionally, it is difficult to locate and maintain employees in today's competitive labor

market, which frequently results in a time-consuming and costly cycle of employing and training temporary workers. These factors together are driving the market expansion. The expansion of the market under study is also fueled by the increase in the number of robots in industrial areas. IFR estimates that 4,35,000 industrial robots will be sold globally in 2021. The region with the most installed units in 2021 was Asia/Australia, with an estimated 3,06,000. 370,000 industrial robots are anticipated to be installed in Asia and Australia by 2024. Moreover, growing Adoption of Collaborative Robots and growing investment in technological advancement enhance the opportunities for the market. However, inability of the Grippers to Deal with Unusual Items and lack of required skill labor stifle market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Piece Picking Robots Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America is leading the global market share owing to growing investment in technological advancement and presence of leading players in this region. However, Asia Pacific is expected to be the fastest growing region due to rising investment in automation and presence of key companies.

Major market player included in this report are:

Grey Orange Pte. Ltd.

Plus One Robotics Inc.

Kindred Systems Inc.

Universal Robots A/S

XYZ Robotics Inc.

Righthand Robotics Inc.

Berkshire Grey Inc.

Robomotive BV

Lyro Robotics Pty Ltd.

Knapp AG

Recent Developments in the Market:

March 2022, RightHand Robotics, a leading provider of data-driven, autonomous robotic picking solutions for order fulfilment, has announced the launch of its Partner Integrator programme. This programme creates an ecosystem for robotic piece-picking projects with complementary warehouse technologies and solution providers to meet future global demands for e-commerce order fulfilment.

August 2022: As part of its Smart Item robots (SIR) portfolio of technologies, Vanderlande has announced the installation of a special automated piece-picking robot that fits with its plan to speed up the usage of robots in warehouses. It has powerful vision technology, control software, and intelligent gripper technology.

Global Piece Picking Robots Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Type of Robot, End User Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type of Robot:

Collaborative

Mobile and others

By End User Application:

Pharmaceutical

Retail/Warehousing/Distribution Centers/Logistics Centers

Other End User Applications

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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