

Global Harvesting Robot Market Growth (Status and Outlook) 2025-2031

<https://marketpublishers.com/r/G8597431DED1EN.html>

Date: August 2025

Pages: 100

Price: US\$ 3,660.00 (Single User License)

ID: G8597431DED1EN

Abstracts

According to this study, the global Harvesting Robot market size will reach US\$ 90 million by 2031.

The harvesting robot is an important breakthrough in modern agricultural technology. It integrates advanced technologies such as machine vision, image recognition, positioning navigation, and robotic arm control, and is specifically used for harvesting crop fruits. The harvesting robot mainly includes four systems: walking system, visual system, control system, and execution system. These systems of the harvesting robot work together to achieve automatic recognition, precise positioning, and efficient harvesting of fruits. They can greatly reduce the labor intensity of farmers, improve picking efficiency, and reduce labor costs. And to a certain extent, it can reduce the loss of fruits. The application prospects of harvesting robots are broad. They are not only suitable for orchards and vegetable fields, but also can operate accurately in greenhouses and other environments. With technological advances and cost reductions, harvesting robots are expected to be used in a wider range of agricultural fields, helping agricultural modernization and sustainable development.

At present, the rapid development of the robot industry is profoundly changing human production and lifestyle. Among them, agricultural robots, as the leaders in this field, are gradually becoming an indispensable and important tool for agricultural production. These robots integrate artificial intelligence, machinery and automation technology, bringing unprecedented changes to agricultural production. In the tide of agricultural modernization, agricultural robots are gradually emerging with their unique advantages. Especially in developed countries, such as the United States, the technical research and development and application of harvesting robots have achieved remarkable results. These robots can complete picking tasks efficiently and accurately, greatly

improving the efficiency and quality of agricultural production. For example, strawberry, apple, and citrus picking robots have initially achieved small-scale industrial applications. In contrast, China's harvesting robot development is relatively late. Although some results have been achieved, the commercial application of harvesting robots is still slow. In general, most robots and related technologies at home and abroad are still in the laboratory development stage and have not yet been commercialized on a large scale. At the regional level, China's harvesting robot development started late, but it has also made many breakthroughs in recent years. With the joint efforts of many domestic universities and scientific research institutions, important progress has been made in the target recognition, end effector design, and path planning of harvesting robots. However, despite these achievements, the industrial application of harvesting robots is still progressing slowly. Most domestic robots and related technologies are still in the laboratory development stage and have not yet been commercialized.

LPI (LP Information)' newest research report, the "Harvesting Robot Industry Forecast" looks at past sales and reviews total world Harvesting Robot sales in 2024, providing a comprehensive analysis by region and market sector of projected Harvesting Robot sales for 2025 through 2031. With Harvesting Robot sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Harvesting Robot industry.

This Insight Report provides a comprehensive analysis of the global Harvesting Robot landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Harvesting Robot portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Harvesting Robot market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Harvesting Robot and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Harvesting Robot.

This report presents a comprehensive overview, market shares, and growth opportunities of Harvesting Robot market by product type, application, key players and

key regions and countries.

Segmentation by Type:

Multi-arm Robot

Single-arm Robot

Segmentation by Application:

Commercial

Scientific Research

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Advanced Farm Technologies

Dogtooth Technologies

Tevel Aerobotics Technologies

Tortuga AgTech

Octinion

Metomotion

Yikun Electric Co., Ltd

Suzhou Botian Automation Technology

Qogori

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