

Agricultural Robots Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/ACCA20CA5B8EN.html>

Date: July 2023

Pages: 146

Price: US\$ 2,499.00 (Single User License)

ID: ACCA20CA5B8EN

Abstracts

Market Overview:

The global agricultural robots market size reached US\$ 7.6 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 21.1 Billion by 2028, exhibiting a growth rate (CAGR) of 18.42% during 2023-2028.

Agricultural robots, also known as agribots, are one of the latest innovations in the agriculture industry. They are autonomous machines utilized for improving quality and efficiency of yield, minimizing reliance on manual labor, and increasing the overall productivity. Agricultural robots are usually equipped with end effectors or specialized arms for performing a wide range of horticultural activities such as weed control, seeding and planting, aerial data collection, field mapping, fertilizing and irrigation, inter-cultural operations, harvesting, soil analysis, and environmental monitoring. Apart from this, these robots are also employed for washing and milking livestock in the dairy farming industry.

Global Agricultural Robots Market Drivers:

With growing population, the demand for food is rising at a rapid pace worldwide. As a result, farmers are now shifting towards modern tools and equipment, such as agricultural robots, to increase their total productivity and generating more revenue. Further, governments around the world are offering subsidies and undertaking initiatives to propagate awareness about automated technologies among farmers. For instance, the European Union has funded projects, such as GRAPE and MARS, to replace labor-intensive tasks with advanced automated technologies. Moreover, several established

and start-up agricultural companies are investing in research and development activities to introduce an innovative range of agricultural robots.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global agricultural robots market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on product type, application and offering.

Breakup by Product Type:

- Unmanned Aerial Vehicles (UAVs)/Drones
- Milking Robots
- Automated Harvesting Systems
- Driverless Tractors
- Others

Breakup by Application:

- Field Farming
- Dairy Farm Management
- Animal Management
- Soil Management
- Crop Management
- Others

Breakup by Offering:

- Hardware
- Software
- Services

Regional Insights:

- North America
- Europe
- Asia Pacific
- Middle East and Africa
- Latin America

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Deere & Company, Trimble Inc., Agco Corporation, Lely Holding S.?R.L, AG Eagle LLC, Agrobotix LLC, Agrobot, Harvest Automation, Naio Technologies, Precision Hawk, IBM, Agjunction, Inc., DJI, Boumatic Robotics, B.V., AG Leader Technology, Topcon Positioning Systems, Inc., Autocopter Corp, Auroras S.R.L., Grownetics Inc. and Autonomous Tractor Corporation.

Key Questions Answered in This Report

1. What was the size of the global agricultural robots market in 2022?
2. What is the expected growth rate of the global agricultural robots market during 2023-2028?
3. What are the key factors driving the global agricultural robots market?
4. What has been the impact of COVID-19 on the global agricultural robots market?
5. What is the breakup of global agricultural robots market based on the product type?
6. What is the breakup of global agricultural robots market based on the application?
7. What is the breakup of global agricultural robots market based on the offering?
8. What are the major regions in the global agricultural robots market?
9. Who are the key players/companies in the global agricultural robots 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 AGRICULTURAL ROBOTS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Breakup by Product Type
- 5.5 Market Breakup by Application
- 5.6 Market Breakup by Offering
- 5.7 Market Breakup by Region
- 5.8 Market Forecast

6 MARKET BREAKUP BY PRODUCT TYPE

- 6.1 Unmanned Aerial Vehicles (UAVs)/Drones
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast

- 6.2 Milking Robots
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Automated Harvesting Systems
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
- 6.4 Driverless Tractors
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 6.5 Others
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Field Farming
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Dairy Farm Management
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Animal Management
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Soil Management
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Crop Management
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
- 7.6 Others
 - 7.6.1 Market Trends
 - 7.6.2 Market Forecast

8 MARKET BREAKUP BY OFFERING

- 8.1 Hardware
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast

8.2 Software

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Services

8.3.1 Market Trends

8.3.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Europe

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 Asia Pacific

9.3.1 Market Trends

9.3.2 Market Forecast

9.4 Middle East and Africa

9.4.1 Market Trends

9.4.2 Market Forecast

9.5 Latin America

9.5.1 Market Trends

9.5.2 Market Forecast

10 GLOBAL AGRICULTURAL ROBOTS INDUSTRY: SWOT ANALYSIS

10.1 Overview

10.2 Strengths

10.3 Weaknesses

10.4 Opportunities

10.5 Threats

11 GLOBAL AGRICULTURAL ROBOTS INDUSTRY: VALUE CHAIN ANALYSIS

12 GLOBAL AGRICULTURAL ROBOTS INDUSTRY: 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 GLOBAL AGRICULTURAL ROBOTS INDUSTRY: PRICE ANALYSIS

14 AGRICULTURAL ROBOTS MANUFACTURING PROCESS

- 14.1 Product Overview
- 14.2 Raw Material Requirements
- 14.3 Manufacturing Process
- 14.4 Key Success and Risk Factors

15 COMPETITIVE LANDSCAPE

- 15.1 Market Structure
- 15.2 Key Players
- 15.3 Profiles of Key Players
 - 15.3.1 Deere & Company
 - 15.3.2 Trimble Inc.
 - 15.3.3 Agco Corporation
 - 15.3.4 Lely Holding S.?.R.L
 - 15.3.5 AG Eagle LLC
 - 15.3.6 Agrobotix LLC
 - 15.3.7 Agrobot
 - 15.3.8 Harvest Automation
 - 15.3.9 Naio Technologies
 - 15.3.10 Precision Hawk
 - 15.3.11 IBM
 - 15.3.12 Agjunction, Inc.
 - 15.3.13 DJI
 - 15.3.14 Boumatic Robotics, B.V.
 - 15.3.15 AG Leader Technology
 - 15.3.16 Topcon Positioning Systems, Inc.
 - 15.3.17 Autocopter Corp
 - 15.3.18 Auroras S.R.L.
 - 15.3.19 Grownetics Inc.

15.3.20 Autonomous Tractor Corporation

List Of Tables

LIST OF TABLES

Table 1: Global: Agricultural Robots Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Agricultural Robots Market Forecast: Breakup by Product Type (in Million US\$), 2023-2028

Table 3: Global: Agricultural Robots Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: Agricultural Robots Market Forecast: Breakup by Offering (in Million US\$), 2023-2028

Table 5: Global: Agricultural Robots Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Agricultural Robots: Raw Material Requirements

Table 7: Global: Agricultural Robots Market Structure

Table 8: Global: Agricultural Robots Market: Key Players

List Of Figures

LIST OF FIGURES

- Figure 1: Global: Agricultural Robots Market: Major Drivers and Challenges
- Figure 2: Global: Agricultural Robots Market: Sales Value (in Billion US\$), 2017-2022
- Figure 3: Global: Agricultural Robots Market: Breakup by Product Type (in %), 2022
- Figure 4: Global: Agricultural Robots Market: Breakup by Application (in %), 2022
- Figure 5: Global: Agricultural Robots Market: Breakup by Offering (in %), 2022
- Figure 6: Global: Agricultural Robots Market: Breakup by Region (in %), 2022
- Figure 7: Global: Agricultural Robots Market Forecast: Sales Value (in Billion US\$), 2023-2028
- Figure 8: Global: Agricultural Robots Industry: SWOT Analysis
- Figure 9: Global: Agricultural Robots Industry: Value Chain Analysis
- Figure 10: Global: Agricultural Robots Industry: Porter's Five Forces Analysis
- Figure 11: Global: Agricultural Robots (Unmanned Aerial Vehicles (UAVs)/Drones) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 12: Global: Agricultural Robots (Unmanned Aerial Vehicles (UAVs)/Drones) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 13: Global: Agricultural Robots (Milking Robots) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 14: Global: Agricultural Robots (Milking Robots) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 15: Global: Agricultural Robots (Automated Harvesting Systems) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 16: Global: Agricultural Robots (Automated Harvesting Systems) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 17: Global: Agricultural Robots (Driverless Tractors) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 18: Global: Agricultural Robots (Driverless Tractors) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 19: Global: Agricultural Robots (Other Product Types) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 20: Global: Agricultural Robots (Other Product Types) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 21: Global: Agricultural Robots (Field Farming) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 22: Global: Agricultural Robots (Field Farming) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Agricultural Robots (Dairy Farm Management) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Agricultural Robots (Dairy Farm Management) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Agricultural Robots (Animal Management) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Agricultural Robots (Animal Management) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Agricultural Robots (Soil Management) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Agricultural Robots (Soil Management) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Agricultural Robots (Crop Management) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Agricultural Robots (Crop Management) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Global: Agricultural Robots (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Global: Agricultural Robots (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: Global: Agricultural Robots (Hardware) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: Global: Agricultural Robots (Hardware) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: Global: Agricultural Robots (Software) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: Global: Agricultural Robots (Software) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Global: Agricultural Robots (Services) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Global: Agricultural Robots (Services) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: North America: Agricultural Robots Market: Sales Value (In Million US\$), 2017 & 2022

Figure 40: North America: Agricultural Robots Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: Europe: Agricultural Robots Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Europe: Agricultural Robots Market Forecast: Sales Value (in Million US\$),

2023-2028

Figure 43: Asia Pacific: Agricultural Robots Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Asia Pacific: Agricultural Robots Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: Middle East and Africa: Agricultural Robots Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: Middle East and Africa: Agricultural Robots Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: Latin America: Agricultural Robots Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: Latin America: Agricultural Robots Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: Agricultural Robots Manufacturing: Process Flow

I would like to order

Product name: Agricultural Robots Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/ACCA20CA5B8EN.html>

Price: US\$ 2,499.00 (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/ACCA20CA5B8EN.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

