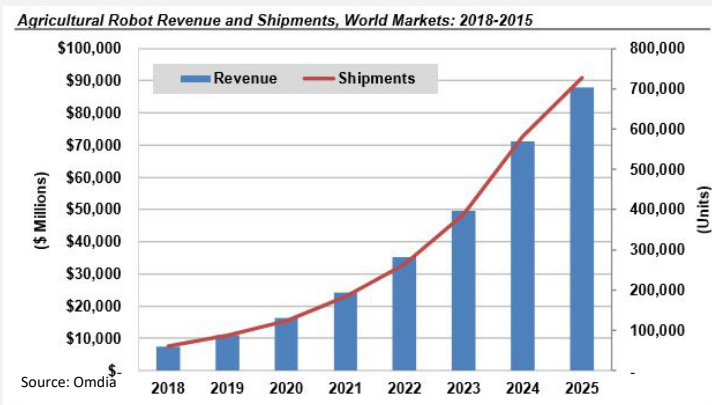


Agricultural Robots Report

Part of the AI & Intelligent Automation Service Area Package

Aditya Kaul, Research Director
Glenn Sanders, Senior Analyst

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Driverless Tractors and Implements, UAVs, Material Management, Field Crops and Forest Management, Soil Management, Dairy Management, and Animal Management for Precision Agriculture

Farmers are increasingly turning to technology to enable more efficient use of their farmland to meet demand for food from a growing global population and deal with labor shortages and costs, regulations, and changing weather conditions. At the same time, numerous robotic solutions are being developed to meet this demand for precision agriculture. Increasing market penetration of unmanned aerial vehicles (UAVs), robots, and automation technology on farms around the world is being facilitated by improvements in the intelligence, performance, and price of sensing technologies, electric motors, and drive controls.

Advanced machine vision and machine learning are being incorporated into systems that integrate these technologies to produce new types of agricultural robots. Robots and automation technologies have the potential to dramatically improve crop quality and yields, reduce the amount of chemicals used, solve labor shortages, and provide hope for the economic sustainability of smaller farming operations. These factors are driving strong demand for robots throughout the farming process, including planting, pruning, weeding, pick-and-place, sorting, seeding, spraying, harvesting, and materials handling. Global agricultural robot revenue is expected to maintain healthy growth, rising from \$7.5 billion in 2018 to \$87.9 billion in 2025. Omdia expects this market to grow and diversify rapidly through 2025, providing significant market opportunities for established companies and new participants.

This report provides 8-year market sizing and forecasts for agricultural robot shipments and revenue during the 2018-2025 timeframe, segmented by world region and application type. It discusses the global market trends, drivers, challenges, and technological issues that will influence the development of agricultural robots. Omdia also presents a detailed picture of market participants based on interviews with CEOs and research, profiling 27 key players and listing more than 150 emerging and significant industry players.

Report Coverage

KEY ISSUES ADDRESSED	COVERAGE	APPLICABLE TO
<ul style="list-style-type: none"> • What is the current state of the global agricultural robotics market, and how will it develop through 2025? • What are the key drivers of market growth and the major challenges faced by the industry? • What are the bottlenecks in technology development for agricultural robotics? • Which companies are the important players in the market, and what are their products and services? • What is the size of the global agricultural robotics market opportunity? • What are the future pricing trends for different types of warehousing and logistics robots? • What are the key strategic recommendations for market participants? 	<p>Agricultural Robot Revenue and Shipments, World Markets: 2018-2025</p> <ul style="list-style-type: none"> • By region, application type <ul style="list-style-type: none"> • World Markets • North America • Europe • Asia Pacific • Latin America • Middle East 	<p>Technologies</p> <ul style="list-style-type: none"> • Self-Driving Kits • Guidance Systems • Localization Technologies • Materials Handling Robotics and Automation • Animal Management Systems • Machine Vision • Machine Learning • Targeting Systems • Soil Monitoring Systems • Modular Systems • Data Analytics Systems • Farm Management Platform Software <p>Applications</p> <ul style="list-style-type: none"> • Driverless Tractors • Unmanned Aerial Vehicles • Material Management • Field Crops and Forest Management • Soil Management • Dairy Management • Animal Management <p>Regions</p> <ul style="list-style-type: none"> • North America • Europe • Asia Pacific • Latin America • Middle East and Africa
		<ul style="list-style-type: none"> • Agricultural and industrial robot manufacturers • Farm equipment manufacturers • Implement manufacturers • Sensor and camera makers and integrators • Agricultural service providers • Systems integrators and software platform vendors • Farmers, dairy farmers, and ranchers • Robot research organizations and labs • Government agencies • Investor community

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CUSTOMER SUCCESS


customersuccess@omdia.com

SALES

US: +1 (212) 652 5335

APAC: +61 (0)396 016 700

EMEA: +44 (0)7771 980 316

 @OmdiaHQ | [omdia.com](https://www.omdia.com)

ABOUT OMDIA

Omdia is a global technology research powerhouse, established following the merger of the research division of Informa Tech (Ovum, Heavy Reading, and Tractica) and the acquired Omdia technology research portfolio.* We combine the expertise of more than 400 analysts across the entire technology spectrum, covering 150 markets. We publish over 3,000 research reports annually, reaching more than 14,000 subscribers, and cover thousands of technology, media, and telecommunications companies. Our exhaustive intelligence and deep technology expertise enable us to uncover actionable insights that help our customers connect the dots in today's constantly evolving technology environment and empower them to improve their businesses—today and tomorrow.

*The majority of Omdia technology research products and solutions were acquired by Informa in August 2019 and are now part of Omdia.

Table of Contents

1. Executive Summary

- 1.1. Introduction
- 1.2. Agricultural Robot Market Segmentation
- 1.3. Market Dynamics
- 1.4. Global Market Forecast

2. Market Issues

- 2.1. Market Drivers
 - 2.1.1. Growing Global Population and Demand for Food
 - 2.1.2. Labor Shortages and Costs
 - 2.1.3. Evolving Agricultural Dynamics
 - 2.1.3.1. Shrinking Arable Land
 - 2.1.3.2. Indoor Farming
 - 2.1.3.3. Vertical Farming
 - 2.1.4. Climate Change
 - 2.1.5. Regulations and Effectiveness of Herbicides and Pesticides
 - 2.1.6. Precision Agriculture, Productivity, and Platforms
 - 2.1.7. Demand for Automated Applications
 - 2.1.7.1. Driverless Tractors and Implements
 - 2.1.7.2. Unmanned Aerial Vehicles
 - 2.1.7.3. Material Management
 - 2.1.7.4. Field Crops and Forest Management
 - 2.1.7.5. Soil Management
 - 2.1.7.6. Dairy Management
 - 2.1.7.7. Animal Management
- 2.2. Market Challenges
 - 2.2.1. Early-Stage Development
 - 2.2.2. Unclear Value Proposition
 - 2.2.3. Sales Cycle: Inform and Educate
 - 2.2.4. Infrastructure and Communications
- 2.3. Ecosystem Players
 - 2.3.1. Traditional Farm Equipment and Farm Automation Vendors
 - 2.3.2. Industrial Automation Vendors

- 2.3.3. Mobile Robot Vendors
- 2.3.4. Sensor-Based Technology Providers
- 2.3.5. Data Analytics Service Providers
- 2.3.6. Agricultural Research Organizations, Labs, Universities

3. Technology Issues

- 3.1. Matching Human Dexterity and Speed
- 3.2. Harsh and Varying Environment
- 3.3. Communications and Infrastructure in Rural Areas
- 3.4. Processing and Analyzing Massive Amounts of Data
- 3.5. Safety and Standards
- 3.6. Adopting New Farm Layouts for Robotizing

4. Key Industry Players

- 4.1. AGCO
- 4.2. AMAZONE-Werke
- 4.3. Autonomous Solutions Inc.
- 4.4. Autonomous Tractor Corporation
- 4.5. Blue River Technology
- 4.6. CLAAS
- 4.7. Clear Flight Solutions
- 4.8. Clearpath Robotics
- 4.9. CNH Industrial (Case IH)
- 4.10. Deepfield Robotics
- 4.11. DeLaval
- 4.12. DroneDeploy
- 4.13. GEA Group
- 4.14. Harvest Automation
- 4.15. John Deere
- 4.16. Kinze Manufacturing
- 4.17. Kubota
- 4.18. Lely Industries
- 4.19. Mitsubishi Mahindra Agricultural Machinery

- 4.20. Panasonic Corporation
- 4.21. Pix4D
- 4.22. PrecisionHawk
- 4.23. senseFly
- 4.24. Shenzhen DJI Innovations
- 4.25. Trimble
- 4.26. Yamaha Motor Company
- 4.27. Yanmar
- 4.28. Additional Industry Participants

5. Market Forecasts

- 5.1. Definitions and Forecast Assumptions
- 5.2. Global Market
- 5.3. North America
- 5.4. Europe
- 5.5. Asia Pacific
- 5.6. Latin America
- 5.7. Middle East & Africa
- 5.8. Conclusions and Recommendations
 - 5.8.1. Early Stage
 - 5.8.2. Strong Growth
 - 5.8.3. Market Drivers
 - 5.8.4. Strategic Recommendations

6. Company Directory

7. Acronym and Abbreviation List

8. Table of Contents

9. Table of Charts and Figures

10. Scope of Study, Sources and Methodology, Notes


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US: +1 (212) 652 5335
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