

Agricultural Robots Market - Forecasts from 2018 to 2023

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Abstracts

Global agricultural robots market is projected to witness a compound annual growth rate of 18.46% during the forecast period to reach a total market size of US\$17.614 billion by 2023, increasing from US\$6.374 billion in 2017. The growing strain on global food supply owing to increasing population coupled with the rapid urbanization of society is driving the need for agricultural robots to enhance the productivity and efficiency of farms. As a result, advanced and innovative robots are being developed for agricultural activities, hence augmenting the agricultural robot market growth. Moreover, government support and initiatives towards modern technology adoption in the agricultural sector are further contributing significantly to the expansion of this market. However, the high cost of machinery restraints its market growth. Rapidly developing countries like China and South Korea are creating numerous opportunities for vendors, as these countries have a higher rate of adoption for such technologies.

By Type

By type, Unmanned aerial vehicle (UAV) is expected to grow at a high rate over the projected period owing to continuous product innovations in this category. Moreover, UAV is comparatively less expensive than a driverless vehicle which further boosts its demand and thereby propelling the segment growth.

By Geography

Geographically, Americas accounted for the largest market share in 2017 and is expected to grow at a moderate rate. The high rate of technology adoption, especially in the United States is a major contributing factor for this market size. The presence of many leading players within the region coupled with increasing industrialization of

farming equipment further contributes to this growth. However, APAC region is expected to grow at a high rate over the projected period owing to the growing investments in the robotics industry, especially in China, Japan, and South Korea. Moreover, advancement in farming practices and rising adoption of new technologies enhance the potential of this region's market.

Competitive Insight

The global agricultural robot market is comprised of a moderate number of players and the high initial investment involved along with prior technical knowledge restraints the entry of new players, especially SMEs. The major players discussed in the report include Vision Robotics Corporation, Harvest Automation, AG Eagle LLC, Lely Holding, Boumatic Robotics, Agrobotix LLC, and Agco Corporation. New launch and product line expansion is one of the major strategies adopted by these companies to be ahead in the competition. Organizations are constantly trying to focus on differentiating their products in terms of cost, quality, and offerings while enhancing their market share.

Segmentation

Agricultural robot market has been segmented by type, application, and geography.

By Type

Milking Robot

Unmanned Aerial Vehicles (UAV)

Automated Harvest System

Others

By Application

Dairy Farm Management

Field Farming

Irrigation Management

Harvest Management

Others

By Geography

Americas

North America

U.S.

Canada

Mexico

Others

South America
Brazil
Argentina
Others
Europe Middle East and Africa
Europe
UK
Germany
France
Others
MEA
Asia Pacific
Japan
China
India
Australia
Others

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