

Europe Agricultural Robots and Mechatronics - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

Market Report | 2024-02-17 | 130 pages | Mordor Intelligence

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Report description:

The Europe Agricultural Robots and Mechatronics Market size is estimated at USD 6.47 billion in 2024, and is expected to reach USD 12.95 billion by 2029, growing at a CAGR of 14.90% during the forecast period (2024-2029).

Agricultural robots and mechatronics are the machines used in agriculture to substitute human labor and perform tasks (from plowing to harvesting) better than humans. This machinery is designed to operate in all weather conditions, restricted environments, and in crops and animal farms.

Europe Agricultural Robots & Mechatronics Market Trends

Adoption of UAV in Agriculture

Due to their ease-of-use and low-cost, Unmanned Aerial Vehicles (UAVs) or drones can be used for producing time-series animations, showing the precise development of a crop. The new generation of agriculture drones are technologically-advanced, which can support in pest control, monitoring soil and crop conditions, mapping, and estimating acreage and crop types. These drones also support in the surveying of areas, where there is a limited possibility of humans to assess. This technology will help farmers in the planning of input use, like crop protection chemicals, with the use of common detection methods and to reduce their monitoring costs. Factors, like an effective assessment of farms using drones, can help in the overall profitability of the farmers, which is expected to drive unmanned aerial vehicles, during the forecast period.

Spain Dominates the Market

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The Spanish agricultural robotics and mechatronics market is estimated to register a CAGR of 35.8% during the forecast period. The share of Spain in the European agricultural robots and mechatronics market was 30.20% in 2019 and takes place as the largest shareholder in the European region. Most of the farmers in Spain are Large landholders. This is attributed to the increasing environmental and technological concerns that suit the government policies and initiatives. Spain emphasizes both on animal farming and agriculture. Hence most of the products in agriculture robots and mechatronics market can be driven in Spain. However, the lack of automated and unmanned aerial vehicles and intensive labor requirements necessitate automation.

Europe Agricultural Robots & Mechatronics Industry Overview

The European agricultural robots and mechatronics market is moderately consolidated, with the top companies accounting for about 43% of share in the market, while the rest of the companies account for the remaining share. The governments in the European countries are encouraging the use of agricultural drones, in order to enhance the level of productivity, by providing subsidies and creating awareness about the benefits of the agricultural robots and mechatronics. The major factors for the growth of the market are the high level of awareness and the willingness to adopt new technologies and low productivity.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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