

# **Food Robotics Market Report by Type (SCARA, Articulated, Parallel, Cylindrical, and Others), Payload (Low, Medium, Heavy), Application (Packaging, Repackaging, Palletizing, Picking, Processing, and Others), and Region 2023-2028**

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## **Abstracts**

The global food robotics market size reached US\$ 2.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 4.3 Billion by 2028, exhibiting a growth rate (CAGR) of 11.8% during 2022-2028.

Food robots carry out complex manufacturing processes, such as dispensing, feed placement, packaging and casing, pick-and-placing products into containers, sorting raw material, and labeling packages. They help perform repetitive and tedious production tasks at high speed in extreme conditions like high temperatures. They also save space and time, lower production costs, improves the cleanliness, safety, and efficiency of manufacturing processes. As a result, leading players in the food and beverage (F&B) industry worldwide are automating the food production process using food robotics technology to mass-produce products with high precision and yields.

**Food Robotics Market Trends:**

The lack of skilled and low-cost labor represents one of the significant factors augmenting the growth of the market across the globe. With the integration of big data and artificial intelligence (AI), various advancements in robotic technology are being made that allow quick, gentle handling of sensitive food products like biscuits, frozen pizzas, and fruit and vegetables. Robots deployed in the F&B sector can also create custom designs and complex patterns on cakes or other bakery items. Apart from this, these robots are gaining traction in high-end restaurants and luxury hotels for efficient order picking and packaging. Once an online order is placed, they detect the location of the specific product, package aptly, and provide the customer with real-time information about delivery status. Furthermore, prominent market players are innovating food

robotics for performing industrial tasks. As a result, they are integrating intelligent vision systems that can sort products based on color, shape, and size on a conveyor belt with accuracy. Moreover, due to the coronavirus disease (COVID-19) outbreak and implementation of complete lockdown in numerous countries, most of the F&B manufacturing facilities experienced a shortage of workers. This, along with the need for the adoption of social distancing measures and surging demand for packaged food products, is propelling the growth of the market.

Key Market Segmentation:

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

Breakup by Type:

SCARA

Articulated

Parallel

Cylindrical

Others

Breakup by Payload:

Low

Medium

Heavy

Breakup by Application:

Packaging

Repackaging

Palletizing

Picking

Processing

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ABB Ltd, Bastian Solutions LLC (Toyota Industries Corporation), Denso Corporation, Fanuc Corporation, Kawasaki Heavy Industries Ltd., Kuka AG (Midea Group Co. Ltd.), Mitsubishi Electric Corporation, Rockwell Automation Inc., Seiko Epson Corporation, Stäubli International AG, Universal Robots A/S (Teradyne Inc.) and Yaskawa Electric Corporation.

Key Questions Answered in This Report

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

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