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Food Robotics Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global food robotics market reached a value of US$ 1.9 Billion in 2021. Looking forward, IMARC Group expects the market to reach US$ 3.9 Billion by 2027, exhibiting a CAGR of 12.27% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic. These insights are included in the report as a major market contributor.

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

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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, along with forecasts at the global, regional and country level from 2022-2027. 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

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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, St?ubli International AG, Universal Robots A/S (Teradyne Inc.) and Yaskawa Electric Corporation.

Key Questions Answered in This Report:

How has the global food robotics market performed so far and how will it perform in the coming years?
What has been the impact of COVID-19 on the global food robotics market?
What are the key regional markets?
What is the breakup of the market based on the type?
What is the breakup of the market based on the payload?

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What is the breakup of the market based on the application?
What are the various stages in the value chain of the industry?
What are the key driving factors and challenges in the industry?
What is the structure of the global food robotics market and who are the key players?
What is the degree of competition in the industry?

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