

# **Ai In Food And Beverages Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Hardware, Software), By Organization Size (Small Enterprises, Medium And Large Enterprises), By Application, By Marketing Channel, By End User**

<https://marketpublishers.com/r/A6D007FAFA95EN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: A6D007FAFA95EN

## **Abstracts**

The Ai In Food And Beverages Market is valued at USD 11.3 billion in 2025 and is projected to grow at a CAGR of 34.7% to reach USD 165.3 billion by 2034. Artificial Intelligence (AI) is transforming the food and beverages market by optimizing operations, improving food safety, and enhancing consumer experiences. AI-powered solutions are being deployed across the value chain, from precision agriculture and smart food processing to personalized nutrition and AI-driven supply chain management. The adoption of AI in food and beverages is being driven by the increasing demand for automation, efficiency, and data-driven decision-making. Companies are leveraging machine learning, computer vision, and predictive analytics to reduce waste, streamline inventory management, and enhance quality control. Additionally, AI is revolutionizing customer interactions through chatbots, recommendation systems, and automated food ordering services. As consumer preferences shift towards healthier, sustainable, and customized food options, AI-driven insights are enabling businesses to create tailored products that cater to specific dietary needs. The AI-driven transformation is expected to continue at a rapid pace, reshaping the competitive landscape and opening new avenues for innovation. AI adoption in the food and beverages market accelerated significantly, driven by advancements in generative AI, robotics, and blockchain-integrated AI solutions. AI-powered predictive analytics became a game-changer for supply chain optimization, allowing companies to foresee demand fluctuations and mitigate risks associated with raw material shortages. Smart sensors and AI-driven quality control mechanisms saw widespread adoption, particularly in food processing and packaging, ensuring higher safety standards and

regulatory compliance. Quick-service restaurants and food delivery platforms leveraged AI-driven automation for order management, route optimization, and personalized recommendations, enhancing both operational efficiency and customer satisfaction. AI-powered food formulation tools enabled manufacturers to create healthier, plant-based alternatives tailored to evolving consumer preferences. Moreover, generative AI found new applications in recipe development, assisting food scientists in creating innovative flavors and textures. Sustainability efforts also benefited from AI, as companies used machine learning to reduce food waste through real-time monitoring and expiration date predictions. The year witnessed increased collaboration between AI startups and established food brands, driving innovation and unlocking new revenue streams. The AI is expected to play an even greater role in the food and beverages industry, with deeper integration into production, distribution, and customer engagement. AI-driven robotics will revolutionize food processing and restaurant automation, reducing reliance on human labor and increasing operational precision. The use of digital twins in food manufacturing is anticipated to grow, allowing companies to simulate production processes for enhanced efficiency and waste reduction. AI-powered personalized nutrition will advance further, with tailored meal plans and ingredient recommendations based on individual health data and preferences. The expansion of AI in supply chain transparency, coupled with blockchain, will strengthen food traceability, helping businesses meet growing consumer demands for ethical sourcing. Additionally, AI-driven climate modeling will help food producers adapt to changing weather patterns, ensuring sustainable agricultural practices. As regulatory frameworks catch up with technological advancements, AI governance in food safety and ethical AI deployment will be key focus areas. The market will witness increased investment in AI-driven food innovation, with startups and tech giants alike pushing the boundaries of AI-powered product development, leading to a new era of smarter, more sustainable food solutions.

## Key Insights Ai In Food And Beverages Market

**AI-Driven Personalization:** Consumers increasingly demand personalized food recommendations based on dietary needs, allergies, and health goals. AI-powered platforms analyze data from wearables, food diaries, and purchase history to provide customized meal plans and nutrition guidance, enhancing consumer engagement and loyalty.

**Automation in Quick-Service Restaurants:** AI-driven robots and automated kiosks are reducing wait times and operational costs in fast-food chains. AI-powered systems manage inventory, predict demand, and optimize food preparation processes, leading to increased efficiency and improved customer

experiences.

**AI in Food Waste Reduction:** Machine learning algorithms are helping businesses minimize food waste by analyzing expiration dates, monitoring storage conditions, and predicting demand fluctuations. Smart inventory management powered by AI reduces overstocking and ensures optimal food utilization.

**AI-Enhanced Food Safety:** AI is being used for real-time monitoring of food contamination, detecting pathogens, and ensuring compliance with safety standards. Advanced computer vision systems analyze food quality at every stage of production, reducing risks of recalls and improving consumer trust.

**Blockchain and AI for Traceability:** The integration of AI with blockchain technology is enhancing food supply chain transparency. AI analyzes vast amounts of data to track food origins, detect fraud, and improve traceability, ensuring ethical sourcing and regulatory compliance.

**Rising Demand for Efficiency and Automation:** The food industry is increasingly adopting AI-driven automation to streamline production, minimize errors, and enhance efficiency. Robotics and AI-powered analytics are reducing labor costs and improving output quality.

**Growing Consumer Preferences for Healthier Foods:** AI is enabling the development of healthier, plant-based, and functional food alternatives by analyzing consumer trends and optimizing ingredient formulations. Personalized nutrition recommendations are also driving demand for AI-driven food innovations.

**Regulatory Compliance and Food Safety:** Stricter food safety regulations are pushing companies to adopt AI-powered monitoring and quality control solutions. AI-driven analytics detect contaminants, prevent spoilage, and ensure compliance with international food safety standards.

**Expansion of AI in Supply Chain Management:** AI is revolutionizing logistics, inventory management, and demand forecasting in the food and beverages sector. AI-driven predictive analytics help businesses optimize supply chain operations and reduce wastage, ensuring cost efficiency.

High Implementation Costs and Technical Barriers: While AI offers immense benefits, the high costs of AI infrastructure, training, and integration pose challenges for small and mid-sized businesses. Additionally, the need for skilled AI professionals and concerns over data privacy remain significant barriers to widespread adoption.

## Ai In Food And Beverages Market Segmentation

### By Type

Hardware

Software

### By Organization Size

Small Enterprises

Medium And Large Enterprises

### By Application

Food Storing

Consumer Engagement

Quality Control

Safety Compliance

Production And Packaging

Maintenance

Other Applications

## By Marketing Channel

Traditional Marketing Channel (Offline)

Online Marketing Channel

## By End User

Hotels And Restaurants

Food Processing Industries

Other End Users

## Key Companies Analysed

Raytec Vision SpA

Rockwell Automation Inc.

ABB Ltd.

Honeywell International Inc.

TOMRA Sorting Solutions AS

Sesotec GmbH

Martec of Whitell Ltd.

Key Technology Inc.

Greefa Co.

Sight Machine Inc.

Foodable Network LLC

Compac Sorting Equipment Ltd.

Agco Corporation

National Recovery Technologies LLC

Bulk Handling Systems

Buhler AG

QualySense AG

BoMill AB

Clarifai Inc.

BBC Technologies

Intelligent X Brewing Co.

International Business Machines Corporation

Microsoft Corporation

Google LLC

Amazon.com Inc.

Siemens AG

Schneider Electric SE

Emerson Electric Co.

Yokogawa Electric Corporation

Mitsubishi Electric Corporation

Omron Corporation

Fanuc Corporation

GEA Group AG

Tetra Pak International SA

Krones AG

Sidel International AG

Alfa Laval AB

SPX Flow Inc.

JBT Corporation

## Ai In Food And Beverages Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

## Ai In Food And Beverages Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and

innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

## Countries Covered

North America — Ai In Food And Beverages market data and outlook to 2034

United States

Canada

Mexico

Europe — Ai In Food And Beverages market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Ai In Food And Beverages market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Ai In Food And Beverages market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Ai In Food And Beverages market data and outlook to 2034

Brazil

Argentina

Chile

Peru

*\* We can include data and analysis of additional countries on demand.*

## Research Methodology

This study combines primary inputs from industry experts across the Ai In Food And Beverages value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

## Key Questions Addressed

What is the current and forecast market size of the Ai In Food And Beverages industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

## Your Key Takeaways from the Ai In Food And Beverages Market Report

Global Ai In Food And Beverages market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Ai In Food And Beverages trade, costs, and supply chains

Ai In Food And Beverages market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Ai In Food And Beverages market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Ai In Food And Beverages market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Ai In Food And Beverages supply chain analysis

Ai In Food And Beverages trade analysis, Ai In Food And Beverages market price analysis, and Ai In Food And Beverages supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Ai In Food And Beverages market news and developments

## Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

*\* The updated report will be delivered within 3 working days*

## Contents

### 1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

### 2. GLOBAL AI IN FOOD AND BEVERAGES MARKET SUMMARY, 2025

- 2.1 Ai In Food And Beverages Industry Overview
  - 2.1.1 Global Ai In Food And Beverages Market Revenues (In US\$ billion)
- 2.2 Ai In Food And Beverages Market Scope
- 2.3 Research Methodology

### 3. AI IN FOOD AND BEVERAGES MARKET INSIGHTS, 2024-2034

- 3.1 Ai In Food And Beverages Market Drivers
- 3.2 Ai In Food And Beverages Market Restraints
- 3.3 Ai In Food And Beverages Market Opportunities
- 3.4 Ai In Food And Beverages Market Challenges
- 3.5 Tariff Impact on Global Ai In Food And Beverages Supply Chain Patterns

### 4. AI IN FOOD AND BEVERAGES MARKET ANALYTICS

- 4.1 Ai In Food And Beverages Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Ai In Food And Beverages Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Ai In Food And Beverages Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Ai In Food And Beverages Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Ai In Food And Beverages Market
  - 4.5.1 Ai In Food And Beverages Industry Attractiveness Index, 2025
  - 4.5.2 Ai In Food And Beverages Supplier Intelligence
  - 4.5.3 Ai In Food And Beverages Buyer Intelligence
  - 4.5.4 Ai In Food And Beverages Competition Intelligence
  - 4.5.5 Ai In Food And Beverages Product Alternatives and Substitutes Intelligence
  - 4.5.6 Ai In Food And Beverages Market Entry Intelligence

## **5. GLOBAL AI IN FOOD AND BEVERAGES MARKET STATISTICS – INDUSTRY REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034**

- 5.1 World Ai In Food And Beverages Market Size, Potential and Growth Outlook, 2024-2034 (\$ billion)
- 5.1 Global Ai In Food And Beverages Sales Outlook and CAGR Growth By Type, 2024-2034 (\$ billion)
- 5.2 Global Ai In Food And Beverages Sales Outlook and CAGR Growth By Organization Size, 2024- 2034 (\$ billion)
- 5.3 Global Ai In Food And Beverages Sales Outlook and CAGR Growth By Application, 2024- 2034 (\$ billion)
- 5.4 Global Ai In Food And Beverages Sales Outlook and CAGR Growth By Marketing Channel, 2024- 2034 (\$ billion)
- 5.5 Global Ai In Food And Beverages Sales Outlook and CAGR Growth By End User, 2024- 2034 (\$ billion)
- 5.6 Global Ai In Food And Beverages Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

## **6. ASIA PACIFIC AI IN FOOD AND BEVERAGES INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK**

- 6.1 Asia Pacific Ai In Food And Beverages Market Insights, 2025
- 6.2 Asia Pacific Ai In Food And Beverages Market Revenue Forecast By Type, 2024-2034 (USD billion)
- 6.3 Asia Pacific Ai In Food And Beverages Market Revenue Forecast By Organization Size, 2024- 2034 (USD billion)
- 6.4 Asia Pacific Ai In Food And Beverages Market Revenue Forecast By Application, 2024- 2034 (USD billion)
- 6.5 Asia Pacific Ai In Food And Beverages Market Revenue Forecast By Marketing Channel, 2024- 2034 (USD billion)
- 6.6 Asia Pacific Ai In Food And Beverages Market Revenue Forecast By End User, 2024- 2034 (USD billion)
- 6.7 Asia Pacific Ai In Food And Beverages Market Revenue Forecast by Country, 2024-2034 (USD billion)
  - 6.7.1 China Ai In Food And Beverages Market Size, Opportunities, Growth 2024- 2034
  - 6.7.2 India Ai In Food And Beverages Market Size, Opportunities, Growth 2024- 2034
  - 6.7.3 Japan Ai In Food And Beverages Market Size, Opportunities, Growth 2024- 2034
  - 6.7.4 Australia Ai In Food And Beverages Market Size, Opportunities, Growth 2024-

2034

## **7. EUROPE AI IN FOOD AND BEVERAGES MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034**

7.1 Europe Ai In Food And Beverages Market Key Findings, 2025

7.2 Europe Ai In Food And Beverages Market Size and Percentage Breakdown By Type, 2024- 2034 (USD billion)

7.3 Europe Ai In Food And Beverages Market Size and Percentage Breakdown By Organization Size, 2024- 2034 (USD billion)

7.4 Europe Ai In Food And Beverages Market Size and Percentage Breakdown By Application, 2024- 2034 (USD billion)

7.5 Europe Ai In Food And Beverages Market Size and Percentage Breakdown By Marketing Channel, 2024- 2034 (USD billion)

7.6 Europe Ai In Food And Beverages Market Size and Percentage Breakdown By End User, 2024- 2034 (USD billion)

7.7 Europe Ai In Food And Beverages Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)

7.7.1 Germany Ai In Food And Beverages Market Size, Trends, Growth Outlook to 2034

7.7.2 United Kingdom Ai In Food And Beverages Market Size, Trends, Growth Outlook to 2034

7.7.2 France Ai In Food And Beverages Market Size, Trends, Growth Outlook to 2034

7.7.2 Italy Ai In Food And Beverages Market Size, Trends, Growth Outlook to 2034

7.7.2 Spain Ai In Food And Beverages Market Size, Trends, Growth Outlook to 2034

## **8. NORTH AMERICA AI IN FOOD AND BEVERAGES MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034**

8.1 North America Snapshot, 2025

8.2 North America Ai In Food And Beverages Market Analysis and Outlook By Type, 2024- 2034 (\$ billion)

8.3 North America Ai In Food And Beverages Market Analysis and Outlook By Organization Size, 2024- 2034 (\$ billion)

8.4 North America Ai In Food And Beverages Market Analysis and Outlook By Application, 2024- 2034 (\$ billion)

8.5 North America Ai In Food And Beverages Market Analysis and Outlook By Marketing Channel, 2024- 2034 (\$ billion)

8.6 North America Ai In Food And Beverages Market Analysis and Outlook By End

User, 2024- 2034 (\$ billion)

8.7 North America Ai In Food And Beverages Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)

8.7.1 United States Ai In Food And Beverages Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.7.1 Canada Ai In Food And Beverages Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.7.1 Mexico Ai In Food And Beverages Market Size, Share, Growth Trends and Forecast, 2024- 2034

## **9. SOUTH AND CENTRAL AMERICA AI IN FOOD AND BEVERAGES MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS**

9.1 Latin America Ai In Food And Beverages Market Data, 2025

9.2 Latin America Ai In Food And Beverages Market Future By Type, 2024- 2034 (\$ billion)

9.3 Latin America Ai In Food And Beverages Market Future By Organization Size, 2024- 2034 (\$ billion)

9.4 Latin America Ai In Food And Beverages Market Future By Application, 2024- 2034 (\$ billion)

9.5 Latin America Ai In Food And Beverages Market Future By Marketing Channel, 2024- 2034 (\$ billion)

9.6 Latin America Ai In Food And Beverages Market Future By End User, 2024- 2034 (\$ billion)

9.7 Latin America Ai In Food And Beverages Market Future by Country, 2024- 2034 (\$ billion)

9.7.1 Brazil Ai In Food And Beverages Market Size, Share and Opportunities to 2034

9.7.2 Argentina Ai In Food And Beverages Market Size, Share and Opportunities to 2034

## **10. MIDDLE EAST AFRICA AI IN FOOD AND BEVERAGES MARKET OUTLOOK AND GROWTH PROSPECTS**

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Ai In Food And Beverages Market Statistics By Type, 2024- 2034 (USD billion)

10.3 Middle East Africa Ai In Food And Beverages Market Statistics By Organization Size, 2024- 2034 (USD billion)

10.4 Middle East Africa Ai In Food And Beverages Market Statistics By Application,

2024- 2034 (USD billion)

10.5 Middle East Africa Ai In Food And Beverages Market Statistics By Marketing Channel, 2024- 2034 (USD billion)

10.6 Middle East Africa Ai In Food And Beverages Market Statistics By End User, 2024-2034 (USD billion)

10.7 Middle East Africa Ai In Food And Beverages Market Statistics by Country, 2024-2034 (USD billion)

10.7.1 Middle East Ai In Food And Beverages Market Value, Trends, Growth Forecasts to 2034

10.7.2 Africa Ai In Food And Beverages Market Value, Trends, Growth Forecasts to 2034

## **11. AI IN FOOD AND BEVERAGES MARKET STRUCTURE AND COMPETITIVE LANDSCAPE**

11.1 Key Companies in Ai In Food And Beverages Industry

11.2 Ai In Food And Beverages Business Overview

11.3 Ai In Food And Beverages Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

## **12 APPENDIX**

12.1 Global Ai In Food And Beverages Market Volume (Tons)

12.1 Global Ai In Food And Beverages Trade and Price Analysis

12.2 Ai In Food And Beverages Parent Market and Other Relevant Analysis

12.3 Publisher Expertise

12.2 Ai In Food And Beverages Industry Report Sources and Methodology

## I would like to order

Product name: Ai In Food And Beverages Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Hardware, Software), By Organization Size (Small Enterprises, Medium And Large Enterprises), By Application, By Marketing Channel, By End User

Product link: <https://marketpublishers.com/r/A6D007FAFA95EN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A6D007FAFA95EN.html>