

Global Food Traceability Market to Reach USD 47.78 Billion by 2032

<https://marketpublishers.com/r/G3958604016CEN.html>

Date: March 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: G3958604016CEN

Abstracts

The Global Food Traceability Market, valued at approximately USD 21.82 billion in 2023, is poised to experience a steady CAGR of 9.10% over the forecast period from 2024 to 2032. As food safety regulations become increasingly stringent worldwide, businesses across the supply chain are rapidly adopting advanced traceability systems to ensure compliance, prevent contamination risks, and enhance consumer confidence. Traceability technologies such as RFID, barcodes, and GPS are playing a crucial role in monitoring food products from production to distribution, ensuring greater transparency and supply chain efficiency.

With global food supply chains becoming more complex and geographically dispersed, the demand for real-time tracking systems is escalating. Companies are leveraging enterprise resource planning (ERP) software, laboratory information management systems (LIMS), and warehouse management solutions to streamline operations and enhance visibility across their networks. The rise in foodborne illnesses and recalls has further underscored the necessity of automated traceability technologies, compelling food manufacturers, retailers, and distributors to invest in digital tracking solutions that provide end-to-end traceability. Governments worldwide are enforcing strict regulatory mandates, such as the FDA's Food Safety Modernization Act (FSMA) and the EU's General Food Law, driving industry-wide adoption of advanced tracking mechanisms.

Despite its strong growth trajectory, the food traceability market encounters challenges such as high implementation costs and integration complexities with legacy systems. Many small and medium-sized enterprises (SMEs) find it challenging to deploy end-to-end traceability solutions due to financial constraints and technical barriers. However, the increasing adoption of blockchain technology, AI-powered analytics, and IoT-driven smart sensors is expected to mitigate these issues. The rise of farm-to-table initiatives

and demand for organic and sustainable food products further provides lucrative opportunities for businesses to differentiate themselves through enhanced traceability and authentication practices.

Regionally, North America leads the global food traceability market, driven by strict food safety regulations, robust technology infrastructure, and significant investments in smart tracking solutions. The United States dominates the regional landscape, with major food producers and retailers adopting blockchain-integrated traceability systems to enhance transparency. Europe follows closely, with the European Union's strict food safety laws and sustainability-focused policies fostering market expansion. Meanwhile, Asia Pacific is projected to witness the fastest growth, propelled by increasing government investments in food safety, rising consumer awareness, and the rapid expansion of e-commerce-driven food supply chains in China, India, and Japan. Latin America and the Middle East & Africa are also expected to see significant adoption rates, particularly in export-oriented food industries, where ensuring compliance with global trade regulations is a top priority.

Major Market Players Included in This Report:

IBM Corporation

Honeywell International Inc.

Zebra Technologies Corporation

SGS SA

Bio-Rad Laboratories, Inc.

C.H. Robinson Worldwide, Inc.

Intertek Group PLC

Cognex Corporation

FoodLogiQ, LLC

Optel Group

Neogen Corporation

Merck KGaA

Carlisle Technology

TraceLink Inc.

RFXCEL Corporation

The Detailed Segments and Sub-Segments of the Market Are Explained Below:

By Technology Type:

RFID

Barcodes

Infrared

Biometrics

GPS

By Software Type:

ERP (Enterprise Resource Planning)

LIMS (Laboratory Information Management System)

Warehouse Management Software

By Software End User:

Food Manufacturers

Retailers & Distributors

Government Agencies

Logistics & Supply Chain Companies

By Technology Application:

Meat & Poultry

Dairy Products

Beverages

Fruits & Vegetables

Seafood

Other Processed Foods

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of MEA

Years Considered for the Study:

Historical Year – 2022

Base Year – 2023

Forecast Period – 2024 to 2032

Key Takeaways:

Market estimates & forecasts for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the geographical landscape with country-level insights.

Competitive landscape overview with insights into major industry players.

Evaluation of emerging market trends and recommendations for strategic growth.

Comprehensive analysis of supply-demand dynamics within the food traceability sector.

Contents

CHAPTER 1.GLOBAL FOOD TRACEABILITY MARKET EXECUTIVE SUMMARY

1.1.Global Food Traceability Market Size & Forecast (2022-2032)

1.2.Regional Summary

1.3.Segmental Summary

1.3.1.By Technology Type

RFID

Barcodes

Infrared

Biometrics

GPS

1.3.2.By Software Type

ERP (Enterprise Resource Planning)

LIMS (Laboratory Information Management System)

Warehouse Management Software

1.3.3.By Software End User

Food Manufacturers

Retailers & Distributors

Government Agencies

Logistics & Supply Chain Companies

1.3.4.By Technology Application

Meat & Poultry

Dairy Products

Beverages

Fruits & Vegetables

Seafood

Other Processed Foods

1.4.Key Trends

1.5.Recession Impact

1.6.Analyst Recommendation & Conclusion

CHAPTER 2.GLOBAL FOOD TRACEABILITY MARKET DEFINITION AND RESEARCH ASSUMPTIONS

2.1.Research Objective

2.2.Market Definition

2.3.Research Assumptions

- 2.3.1. Inclusion & Exclusion
- 2.3.2. Limitations
- 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
- 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory Frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL FOOD TRACEABILITY MARKET DYNAMICS

- 3.1. Market Drivers
 - 3.1.1. Increasing enforcement of stringent food safety regulations
 - 3.1.2. Rising consumer demand for transparency and quality assurance
 - 3.1.3. Expansion of global food supply chains necessitating end-to-end traceability
- 3.2. Market Challenges
 - 3.2.1. High implementation costs and integration complexities with legacy systems
 - 3.2.2. Financial and technical barriers for SMEs in adopting comprehensive traceability solutions
- 3.3. Market Opportunities
 - 3.3.1. Adoption of blockchain, AI-powered analytics, and IoT-driven smart sensors
 - 3.3.2. Growing initiatives for organic, sustainable, and farm-to-table practices
 - 3.3.3. Government-led programs and international trade regulations driving industry-wide traceability

CHAPTER 4. GLOBAL FOOD TRACEABILITY MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants

- 4.1.4.Threat of Substitutes
- 4.1.5.Competitive Rivalry
- 4.1.6.Futuristic Approach to Porter's 5 Force Model
- 4.1.7.Porter's 5 Force Impact Analysis
- 4.2.PESTEL Analysis
 - 4.2.1.Political
 - 4.2.2.Economical
 - 4.2.3.Social
 - 4.2.4.Technological
 - 4.2.5.Environmental
 - 4.2.6.Legal
- 4.3.Top Investment Opportunity
- 4.4.Top Winning Strategies
- 4.5.Disruptive Trends
- 4.6.Industry Expert Perspective
- 4.7.Analyst Recommendation & Conclusion

CHAPTER 5.GLOBAL FOOD TRACEABILITY MARKET SIZE & FORECASTS BY TECHNOLOGY TYPE 2022-2032

- 5.1.Segment Dashboard
- 5.2.Global Food Traceability Market: Technology Type Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)
 - 5.2.1.RFID
 - 5.2.2.Barcodes
 - 5.2.3.Infrared
 - 5.2.4.Biometrics
 - 5.2.5.GPS

CHAPTER 6.GLOBAL FOOD TRACEABILITY MARKET SIZE & FORECASTS BY SOFTWARE TYPE 2022-2032

- 6.1.Segment Dashboard
- 6.2.Global Food Traceability Market: Software Type Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)
 - 6.2.1.ERP (Enterprise Resource Planning)
 - 6.2.2.LIMS (Laboratory Information Management System)
 - 6.2.3.Warehouse Management Software

CHAPTER 7.GLOBAL FOOD TRACEABILITY MARKET SIZE & FORECASTS BY SOFTWARE END USER 2022-2032

7.1.Segment Dashboard

7.2.Global Food Traceability Market: Software End User Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

7.2.1.Food Manufacturers

7.2.2.Retailers & Distributors

7.2.3.Government Agencies

7.2.4.Logistics & Supply Chain Companies

CHAPTER 8.GLOBAL FOOD TRACEABILITY MARKET SIZE & FORECASTS BY TECHNOLOGY APPLICATION 2022-2032

8.1.Segment Dashboard

8.2.Global Food Traceability Market: Technology Application Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

8.2.1.Meat & Poultry

8.2.2.Dairy Products

8.2.3.Beverages

8.2.4.Fruits & Vegetables

8.2.5.Seafood

8.2.6.Other Processed Foods

CHAPTER 9.GLOBAL FOOD TRACEABILITY MARKET SIZE & FORECASTS BY REGION 2022-2032

9.1.North America Food Traceability Market

9.1.1.U.S. Food Traceability Market

9.1.2.Canada Food Traceability Market

9.2.Europe Food Traceability Market

9.2.1.UK Food Traceability Market

9.2.2.Germany Food Traceability Market

9.2.3.France Food Traceability Market

9.2.4.Spain Food Traceability Market

9.2.5.Italy Food Traceability Market

9.2.6.Rest of Europe Food Traceability Market

9.3.Asia Pacific Food Traceability Market

9.3.1.China Food Traceability Market

- 9.3.2.India Food Traceability Market
- 9.3.3.Japan Food Traceability Market
- 9.3.4.Australia Food Traceability Market
- 9.3.5.South Korea Food Traceability Market
- 9.3.6.Rest of Asia Pacific Food Traceability Market
- 9.4.Latin America Food Traceability Market
 - 9.4.1.Brazil Food Traceability Market
 - 9.4.2.Mexico Food Traceability Market
 - 9.4.3.Rest of Latin America Food Traceability Market
- 9.5.Middle East & Africa Food Traceability Market
 - 9.5.1.Saudi Arabia Food Traceability Market
 - 9.5.2.South Africa Food Traceability Market
 - 9.5.3.Rest of MEA Food Traceability Market

CHAPTER 10.COMPETITIVE INTELLIGENCE

- 10.1.Key Company SWOT Analysis
 - 10.1.1.[Company 1]
 - 10.1.2.[Company 2]
 - 10.1.3.[Company 3]
- 10.2.Top Market Strategies
- 10.3.Company Profiles
 - 10.3.1.[Company 1]
 - 10.3.1.1.Key Information
 - 10.3.1.2.Overview
 - 10.3.1.3.Financial (Subject to Data Availability)
 - 10.3.1.4.Product Summary
 - 10.3.1.5.Market Strategies
 - 10.3.2.[Company 4]
 - 10.3.3.[Company 5]
 - 10.3.4.[Company 6]
 - 10.3.5.[Company 7]
 - 10.3.6.[Company 8]
 - 10.3.7.[Company 9]
 - 10.3.8.[Company 10]
 - 10.3.9.[Company 11]
 - 10.3.10.[Company 12]
 - 10.3.11.[Company 13]
 - 10.3.12.[Company 14]

10.3.13.[Company 15]

CHAPTER 11.RESEARCH PROCESS

11.1.Research Process

11.1.1.Data Mining

11.1.2.Analysis

11.1.3.Market Estimation

11.1.4.Validation

11.1.5.Publishing

11.2.Research Attributes

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