

Global Food Irradiation Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Food Irradiation market size was valued at USD 193.4 million in 2023 and is forecast to a readjusted size of USD 235 million by 2030 with a CAGR of 2.8% during review period.

Food irradiation (the application of ionizing radiation to food) is a technology that improves the safety and extends the shelf life of foods by reducing or eliminating microorganisms and insects. Like pasteurizing milk and canning fruits and vegetables, irradiation can make food safer for the consumer.

Increasing concerns over the food-borne diseases and high food losses from infection, contamination, and spoilage are some of the key factors driving the food irradiation market. Growing demand for meat and poultry farm products is also fuelling the demand for food irradiation solutions. Rising public concerns over food safety and increased demand for raw food products such as lettuce or spinach will provide ample opportunities to global food irradiation solution providers over the next six years.

The Global Info Research report includes an overview of the development of the Food Irradiation industry chain, the market status of Food (Electron Beam Radiation, Gamma Radiation), Other (Electron Beam Radiation, Gamma Radiation), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Food Irradiation.

Regionally, the report analyzes the Food Irradiation markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Food Irradiation market, with robust domestic demand, supportive policies, and a strong

manufacturing base.

Key Features:

The report presents comprehensive understanding of the Food Irradiation market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Food Irradiation industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Electron Beam Radiation, Gamma Radiation).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Food Irradiation market.

Regional Analysis: The report involves examining the Food Irradiation market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Food Irradiation market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Food Irradiation:

Company Analysis: Report covers individual Food Irradiation manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Food Irradiation This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Food, Other).

Technology Analysis: Report covers specific technologies relevant to Food Irradiation. It assesses the current state, advancements, and potential future developments in Food Irradiation areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Food Irradiation market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Food Irradiation market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Electron Beam Radiation

Gamma Radiation

X-Ray Radiation

Market segment by Application

Food

Other

Major players covered

Food Technology Service, Inc

IONISOS SA

ScanTech Sciences, Inc

GRAY STAR, Inc

STERIS

Nordion

SADEX Corporation

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Food Irradiation product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Food Irradiation, with price, sales, revenue and global market share of Food Irradiation from 2019 to 2024.

Chapter 3, the Food Irradiation competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Food Irradiation breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Food Irradiation market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Food Irradiation.

Chapter 14 and 15, to describe Food Irradiation sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Food Irradiation
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Food Irradiation Consumption Value by Type: 2019 Versus 2023 Versus 2030
 - 1.3.2 Electron Beam Radiation
 - 1.3.3 Gamma Radiation
 - 1.3.4 X-Ray Radiation
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Food Irradiation Consumption Value by Application: 2019 Versus 2023 Versus 2030
 - 1.4.2 Food
 - 1.4.3 Other
- 1.5 Global Food Irradiation Market Size & Forecast
 - 1.5.1 Global Food Irradiation Consumption Value (2019 & 2023 & 2030)
 - 1.5.2 Global Food Irradiation Sales Quantity (2019-2030)
 - 1.5.3 Global Food Irradiation Average Price (2019-2030)

2 MANUFACTURERS PROFILES

- 2.1 Food Technology Service, Inc
 - 2.1.1 Food Technology Service, Inc Details
 - 2.1.2 Food Technology Service, Inc Major Business
 - 2.1.3 Food Technology Service, Inc Food Irradiation Product and Services
 - 2.1.4 Food Technology Service, Inc Food Irradiation Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.1.5 Food Technology Service, Inc Recent Developments/Updates
- 2.2 IONISOS SA
 - 2.2.1 IONISOS SA Details
 - 2.2.2 IONISOS SA Major Business
 - 2.2.3 IONISOS SA Food Irradiation Product and Services
 - 2.2.4 IONISOS SA Food Irradiation Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.2.5 IONISOS SA Recent Developments/Updates
- 2.3 ScanTech Sciences, Inc

- 2.3.1 ScanTech Sciences, Inc Details
- 2.3.2 ScanTech Sciences, Inc Major Business
- 2.3.3 ScanTech Sciences, Inc Food Irradiation Product and Services
- 2.3.4 ScanTech Sciences, Inc Food Irradiation Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.3.5 ScanTech Sciences, Inc Recent Developments/Updates
- 2.4 GRAY STAR, Inc
 - 2.4.1 GRAY STAR, Inc Details
 - 2.4.2 GRAY STAR, Inc Major Business
 - 2.4.3 GRAY STAR, Inc Food Irradiation Product and Services
 - 2.4.4 GRAY STAR, Inc Food Irradiation Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.4.5 GRAY STAR, Inc Recent Developments/Updates
- 2.5 STERIS
 - 2.5.1 STERIS Details
 - 2.5.2 STERIS Major Business
 - 2.5.3 STERIS Food Irradiation Product and Services
 - 2.5.4 STERIS Food Irradiation Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.5.5 STERIS Recent Developments/Updates
- 2.6 Nordion
 - 2.6.1 Nordion Details
 - 2.6.2 Nordion Major Business
 - 2.6.3 Nordion Food Irradiation Product and Services
 - 2.6.4 Nordion Food Irradiation Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.6.5 Nordion Recent Developments/Updates
- 2.7 SADEX Corporation
 - 2.7.1 SADEX Corporation Details
 - 2.7.2 SADEX Corporation Major Business
 - 2.7.3 SADEX Corporation Food Irradiation Product and Services
 - 2.7.4 SADEX Corporation Food Irradiation Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.7.5 SADEX Corporation Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: FOOD IRRADIATION BY MANUFACTURER

- 3.1 Global Food Irradiation Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Food Irradiation Revenue by Manufacturer (2019-2024)

3.3 Global Food Irradiation Average Price by Manufacturer (2019-2024)

3.4 Market Share Analysis (2023)

3.4.1 Producer Shipments of Food Irradiation by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 Food Irradiation Manufacturer Market Share in 2023

3.4.2 Top 6 Food Irradiation Manufacturer Market Share in 2023

3.5 Food Irradiation Market: Overall Company Footprint Analysis

3.5.1 Food Irradiation Market: Region Footprint

3.5.2 Food Irradiation Market: Company Product Type Footprint

3.5.3 Food Irradiation Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Food Irradiation Market Size by Region

4.1.1 Global Food Irradiation Sales Quantity by Region (2019-2030)

4.1.2 Global Food Irradiation Consumption Value by Region (2019-2030)

4.1.3 Global Food Irradiation Average Price by Region (2019-2030)

4.2 North America Food Irradiation Consumption Value (2019-2030)

4.3 Europe Food Irradiation Consumption Value (2019-2030)

4.4 Asia-Pacific Food Irradiation Consumption Value (2019-2030)

4.5 South America Food Irradiation Consumption Value (2019-2030)

4.6 Middle East and Africa Food Irradiation Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

5.1 Global Food Irradiation Sales Quantity by Type (2019-2030)

5.2 Global Food Irradiation Consumption Value by Type (2019-2030)

5.3 Global Food Irradiation Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Food Irradiation Sales Quantity by Application (2019-2030)

6.2 Global Food Irradiation Consumption Value by Application (2019-2030)

6.3 Global Food Irradiation Average Price by Application (2019-2030)

7 NORTH AMERICA

- 7.1 North America Food Irradiation Sales Quantity by Type (2019-2030)
- 7.2 North America Food Irradiation Sales Quantity by Application (2019-2030)
- 7.3 North America Food Irradiation Market Size by Country
 - 7.3.1 North America Food Irradiation Sales Quantity by Country (2019-2030)
 - 7.3.2 North America Food Irradiation Consumption Value by Country (2019-2030)
 - 7.3.3 United States Market Size and Forecast (2019-2030)
 - 7.3.4 Canada Market Size and Forecast (2019-2030)
 - 7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

- 8.1 Europe Food Irradiation Sales Quantity by Type (2019-2030)
- 8.2 Europe Food Irradiation Sales Quantity by Application (2019-2030)
- 8.3 Europe Food Irradiation Market Size by Country
 - 8.3.1 Europe Food Irradiation Sales Quantity by Country (2019-2030)
 - 8.3.2 Europe Food Irradiation Consumption Value by Country (2019-2030)
 - 8.3.3 Germany Market Size and Forecast (2019-2030)
 - 8.3.4 France Market Size and Forecast (2019-2030)
 - 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
 - 8.3.6 Russia Market Size and Forecast (2019-2030)
 - 8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Food Irradiation Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Food Irradiation Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Food Irradiation Market Size by Region
 - 9.3.1 Asia-Pacific Food Irradiation Sales Quantity by Region (2019-2030)
 - 9.3.2 Asia-Pacific Food Irradiation Consumption Value by Region (2019-2030)
 - 9.3.3 China Market Size and Forecast (2019-2030)
 - 9.3.4 Japan Market Size and Forecast (2019-2030)
 - 9.3.5 Korea Market Size and Forecast (2019-2030)
 - 9.3.6 India Market Size and Forecast (2019-2030)
 - 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
 - 9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

- 10.1 South America Food Irradiation Sales Quantity by Type (2019-2030)

10.2 South America Food Irradiation Sales Quantity by Application (2019-2030)

10.3 South America Food Irradiation Market Size by Country

10.3.1 South America Food Irradiation Sales Quantity by Country (2019-2030)

10.3.2 South America Food Irradiation Consumption Value by Country (2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Food Irradiation Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Food Irradiation Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Food Irradiation Market Size by Country

11.3.1 Middle East & Africa Food Irradiation Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Food Irradiation Consumption Value by Country
(2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Food Irradiation Market Drivers

12.2 Food Irradiation Market Restraints

12.3 Food Irradiation Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Food Irradiation and Key Manufacturers

13.2 Manufacturing Costs Percentage of Food Irradiation

13.3 Food Irradiation Production Process

13.4 Food Irradiation Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Food Irradiation Typical Distributors

14.3 Food Irradiation Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

List Of Figures

LIST OF FIGURES

I would like to order

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