

# Global Food Industry Pulsed Electric Field (PEF) Systems 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 Industry Pulsed Electric Field (PEF) Systems market size was valued at USD 198.5 million in 2023 and is forecast to a readjusted size of USD 754.5 million by 2030 with a CAGR of 21.0% during review period.

PEF systems are used for cell disintegration and microbial inactivation in the food industry. PEF systems work through the application of short, very high voltage pulses to a food product.

Liquid food accounted for the largest share of the food industry pulsed electric field (PEF) systems market as these systems help in the inactivation of microbes, thus maintaining the physio-chemical quality of liquid food. According to Technavio's market research analysts, this segment is likely to continue its dominance in the pulsed electric field processing market throughout the forecast period.

The Global Info Research report includes an overview of the development of the Food Industry Pulsed Electric Field (PEF) Systems industry chain, the market status of Liquid Food (10-30kV/cm, 30-50kV/cm), Solid Food (10-30kV/cm, 30-50kV/cm), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Food Industry Pulsed Electric Field (PEF) Systems.

Regionally, the report analyzes the Food Industry Pulsed Electric Field (PEF) Systems 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 Industry Pulsed Electric Field (PEF) Systems market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Food Industry Pulsed Electric Field (PEF) Systems 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 Industry Pulsed Electric Field (PEF) Systems 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., 10-30kV/cm, 30-50kV/cm).

**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 Industry Pulsed Electric Field (PEF) Systems market.

**Regional Analysis:** The report involves examining the Food Industry Pulsed Electric Field (PEF) Systems 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 Industry Pulsed Electric Field (PEF) Systems 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 Industry Pulsed Electric Field (PEF) Systems:

**Company Analysis:** Report covers individual Food Industry Pulsed Electric Field (PEF) Systems 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 Industry Pulsed Electric Field (PEF) Systems. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Liquid Food, Solid Food).

**Technology Analysis:** Report covers specific technologies relevant to Food Industry Pulsed Electric Field (PEF) Systems. It assesses the current state, advancements, and potential future developments in Food Industry Pulsed Electric Field (PEF) Systems areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Food Industry Pulsed Electric Field (PEF) Systems 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 Industry Pulsed Electric Field (PEF) Systems 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

10-30kV/cm

30-50kV/cm

### Market segment by Application

Liquid Food

## Solid Food

### Major players covered

Pulsemaster

Elea

CoolWave Processing

Diversified Technologies

Heat and Control

### 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 Industry Pulsed Electric Field (PEF) Systems product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Food Industry Pulsed Electric Field (PEF) Systems, with price, sales, revenue and global market share of Food Industry Pulsed Electric Field (PEF) Systems from 2019 to 2024.

Chapter 3, the Food Industry Pulsed Electric Field (PEF) Systems competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Food Industry Pulsed Electric Field (PEF) Systems 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 Industry Pulsed Electric Field (PEF) Systems 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 Industry Pulsed Electric Field (PEF) Systems.

Chapter 14 and 15, to describe Food Industry Pulsed Electric Field (PEF) Systems sales channel, distributors, customers, research findings and conclusion.

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