

Global Irreversible Electroporation (IRE) Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Irreversible Electroporation (IRE) market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Irreversible Electroporation (IRE) is a non-thermal medical procedure that utilizes electrical pulses to induce permanent cell membrane permeabilization, leading to cell death. This technique involves delivering short bursts of high-voltage electric fields to targeted tissues, disrupting the cellular membranes and allowing for the entry of ions and small molecules. IRE is particularly useful in the treatment of tumors, as it can selectively ablate cancerous cells while minimizing damage to surrounding healthy tissues. It is often used in conjunction with imaging techniques for precise targeting, making it a promising option for treating various malignancies, especially in delicate areas like the pancreas or liver. IRE is considered advantageous due to its ability to preserve extracellular structures and maintain vascular integrity, resulting in fewer complications and improved healing compared to traditional thermal ablation methods.

This report is a detailed and comprehensive analysis for global Irreversible Electroporation (IRE) market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets.

Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Irreversible Electroporation (IRE) market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Irreversible Electroporation (IRE) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Irreversible Electroporation (IRE) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Irreversible Electroporation (IRE) market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Irreversible Electroporation (IRE)
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Irreversible Electroporation (IRE) market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include AngioDynamics, Johnson & Johnson, Medtronic, Boston Scientific, Pulse Biosciences, Kardium, Acutus Medical, Hangzhou Nuomao Medical Technology, Tianjin Intelligent Health Medical, Shineyo Medical, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Irreversible Electroporation (IRE) market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Pulsed Field Ablation System

Steep Pulse Ablation System (NanoKnife)

Market segment by Application

Tumors

Cardiac Diseases

Major players covered

AngioDynamics

Johnson & Johnson

Medtronic

Boston Scientific

Pulse Biosciences

Kardium

Acutus Medical

Hangzhou Nuomao Medical Technology

Tianjin Intelligent Health Medical

Shineyo Medical

Nortion

Surgnova

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 Irreversible Electroporation (IRE) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Irreversible Electroporation (IRE), with price, sales quantity, revenue, and global market share of Irreversible Electroporation (IRE) from 2020 to 2025.

Chapter 3, the Irreversible Electroporation (IRE) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Irreversible Electroporation (IRE) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and Irreversible Electroporation (IRE) market forecast, by regions, by Type, and

by Application, with sales and revenue, from 2026 to 2031.

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 Irreversible Electroporation (IRE).

Chapter 14 and 15, to describe Irreversible Electroporation (IRE) sales channel, distributors, customers, research findings and conclusion.

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