

# Global Non-equilibrium Plasma 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 Non-equilibrium Plasma 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.

Non-equilibrium plasma, often referred to as low-temperature plasma or cold plasma, is a state of matter where the gas is partially ionized, but the electrons are at a much higher temperature than the ions and neutral particles. In this type of plasma, the energy distribution is uneven, meaning that while the electrons can have high kinetic energy, the heavier ions and neutral species remain relatively cool. This characteristic allows non-equilibrium plasma to be used in various applications, such as surface modification, sterilization, and material processing, without causing significant thermal damage to the substrates being treated. Non-equilibrium plasma can be generated under atmospheric or vacuum conditions and is particularly valuable in fields like electronics, biotechnology, and environmental remediation, where precise control over chemical reactions and surface interactions is essential.

This report is a detailed and comprehensive analysis for global Non-equilibrium Plasma 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 Non-equilibrium Plasma market size and forecasts, in consumption value (\$ Million), sales quantity (L), and average selling prices (US\$/L), 2020-2031

Global Non-equilibrium Plasma market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (L), and average selling prices (US\$/L), 2020-2031

Global Non-equilibrium Plasma market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (L), and average selling prices (US\$/L), 2020-2031

Global Non-equilibrium Plasma market shares of main players, shipments in revenue (\$ Million), sales quantity (L), and ASP (US\$/L), 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 Non-equilibrium Plasma
- 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 Non-equilibrium Plasma 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 Apyx Medical, Nordson, Henniker Plasma, Enercon Industries, P2i Ltd, Relyon Plasma, Adtec Plasma Technology, Plasmatrete, Tanteq, AcXys Plasma Technologies, etc.

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

### **Market Segmentation**

Non-equilibrium Plasma 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**

Atmospheric Non-equilibrium Plasma

Low Pressure Non-equilibrium Plasma

### Market segment by Application

Surface Treatment

Thin Film Deposition

Sterilization and Decontamination

Wound Healing

Aesthetic

Others

### Major players covered

Apyx Medical

Nordson

Henniker Plasma

Enercon Industries

P2i Ltd

Relyon Plasma

Adtec Plasma Technology

Plasmatreat

Tantec

AcXys Plasma Technologies

Surfx Technologies

Europlasma

Thierry Corp.

SOFTAL Corona & Plasma GmbH

Coating Plasma Innovation

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 Non-equilibrium Plasma product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Non-equilibrium Plasma, with price, sales quantity, revenue, and global market share of Non-equilibrium Plasma from 2020 to 2025.

Chapter 3, the Non-equilibrium Plasma competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Non-equilibrium Plasma 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 Non-equilibrium Plasma 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 Non-equilibrium Plasma.

Chapter 14 and 15, to describe Non-equilibrium Plasma sales channel, distributors, customers, research findings and conclusion.

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