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Global Cold Atmospheric Plasma Equipment for Aesthetic Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Cold Atmospheric Plasma Equipment for Aesthetic market size was valued at US$ 105 million in 2025 and is forecast to a readjusted size of US$ 280 million by 2032 with a CAGR of 15.3% during review period.

Global sales of cold atmospheric plasma equipment for aesthetics reached 10,378 units in 2025, with an average price of US$9,863 per unit.

Cold atmospheric plasma equipment for aesthetics refers to non-thermal atmospheric plasma (CAP) medical aesthetic devices specifically designed for skin rejuvenation, anti-aging, and appearance improvement. Through the controlled release of reactive oxygen and nitrogen species (RONS), it achieves epidermal micro-exfoliation, dermal collagen remodeling, and microbial elimination, achieving skin rejuvenation, tightening, spot removal, and acne control without damaging the skin barrier. The operating temperature is typically controlled between 37–42°C to avoid heat damage.

The raw materials for cold atmospheric plasma devices used in beauty treatments include high-purity inert gases (helium or argon, for jet-type devices) or ambient air (for DBD-type devices), precision electrodes and dielectric components (tungsten needles/stainless steel electrodes, quartz glass tubes, alumina ceramics or flexible polyimide dielectric layers), high-voltage/RF power modules (kV-level pulse power supplies or MHz-level RF power supplies), and medical-grade structural components (biocompatible plastic shells, aluminum alloy heat dissipation frames). In addition, high-end devices need to be equipped with semiconductor cooling chips (TEC) and gas filtration systems, while disposable treatment head protective covers constitute the main

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consumables. In terms of cost structure, the beauty equipment market exhibits significant segmentation: professional medical-grade equipment, requiring compliance with medical device certifications (CE/FDA/NMPA) and emphasizing precise energy control and cooling systems, has hardware costs where precision power supplies and specialized gas pipelines account for 40-50%. Home-use portable devices, on the other hand, achieve lower prices through mass production and simplified gas systems (air-based DBD replacing helium jets). However, jet-type home-use devices still incur ongoing helium consumable costs (approximately 10-30 RMB per treatment), while DBD devices only consume electricity, resulting in a clear long-term cost advantage.

This report is a detailed and comprehensive analysis for global Cold Atmospheric Plasma Equipment for Aesthetic 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 Cold Atmospheric Plasma Equipment for Aesthetic market size and forecasts, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Cold Atmospheric Plasma Equipment for Aesthetic market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Cold Atmospheric Plasma Equipment for Aesthetic market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Cold Atmospheric Plasma Equipment for Aesthetic market shares of main players, shipments in revenue ($ Million), sales quantity (Units), and ASP (US$/Unit), 2021-2026

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 Cold Atmospheric Plasma Equipment for Aesthetic

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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 Cold Atmospheric Plasma Equipment for Aesthetic 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 Corporation, D.B SkinTech, NeoGen Plasma, Brera Medical Technologies, CINOGY System GmbH, Neoplas med GmbH, etc.

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

Market Segmentation

Cold Atmospheric Plasma Equipment for Aesthetic market is split by Type and by Application. For the period 2021-2032, 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

Direct-discharge

Indirect-discharge

Market segment by Discharge Principles

Plasma Jet (Jet)

Radio Frequency Plasma (RF)

Other

Market segment by Equipment Form

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Desktop

Portable

Market segment by Application

Hospitals and Clinics

Beauty Salons

Other

Major players covered

Apyx Medical Corporation

D.B SkinTech

NeoGen Plasma

Brera Medical Technologies

CINOGY System GmbH

Neoplas med GmbH

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:

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Chapter 1, to describe Cold Atmospheric Plasma Equipment for Aesthetic product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Cold Atmospheric Plasma Equipment for Aesthetic, with price, sales quantity, revenue, and global market share of Cold Atmospheric Plasma Equipment for Aesthetic from 2021 to 2026.

Chapter 3, the Cold Atmospheric Plasma Equipment for Aesthetic competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Cold Atmospheric Plasma Equipment for Aesthetic breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026.and Cold Atmospheric Plasma Equipment for Aesthetic market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Cold Atmospheric Plasma Equipment for Aesthetic.

Chapter 14 and 15, to describe Cold Atmospheric Plasma Equipment for Aesthetic sales channel, distributors, customers, research findings and conclusion.

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