

Expanding Applications in Healthcare: A Key Driver Transforming the Cold Plasma Market 2024

The Business Research Company has updated all its market reports with the latest information for the year 2024, projecting trends and forecasts until 2033

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Cold Plasma Global Market Report 2024 – Market Size, Trends, And Global Forecast 2024-2033

The [cold plasma market](#) is projected to experience rapid growth, increasing from \$2.73 billion in 2023 to \$3.17 billion in 2024, reflecting a CAGR of 16.5%. This growth is fueled by advancements in the medical and healthcare sectors, expansions in the food industry, and growth in the aviation sector, particularly in emerging markets.



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What Is the Estimated Growth Rate and Market Size of the Global Cold Plasma Market?

The market is expected to experience rapid growth,

reaching \$5.96 billion by 2028, with a CAGR of 17.1%. This growth is fueled by increasing demand for water and air purification, a booming electronics industry, enhanced research and development activities, and government support. Key trends include eco-friendly solutions, integration of nanotechnology, development of compact and portable devices, automation with AI, and collaborations across industries.

Explore Comprehensive Insights Into The Global Cold Plasma Market With A Detailed Sample Report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=5789&type=smp>

What Is The Primary Growth Driver Of The Cold Plasma Market?

The market is anticipated to grow as the technology finds increasing applications in various industries, particularly healthcare. Cold plasma therapy is emerging as a promising treatment for chronic wounds and infections, especially in geriatric populations, which are projected to reach 2.1 billion by 2050. The global demand for effective medical treatments continues to rise, further propelling the adoption of cold plasma technology across diverse applications, including textiles and healthcare.

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Which Market Leaders Are Behind the Growth of the Cold Plasma Market?

Major companies operating in the market include Ethicon Inc., Baxter International Inc., 3M Company, Smith & Nephew plc., Nordson Corporation, Plasma Etch Inc., Adtech Plasma Technology Co. Ltd., P2i Limited, Relyon Plasma GmbH, Henniker Plasma Treatment, Enercon Industries Corporation, AcXys Plasma Technologies, Plasmatreat GmbH, Europlasma NV, SOFTAL Corona & Plasma GmbH, UNIQAIR Technologies Ltd., CINOGY System GmbH, neoplas med GmbH, LeafLife Technology Co. Ltd., Nova Plasma Ltd., Tantec A/S, Thierry Corporation, SurfX Technologies LLC, Coating Plasma Innovation, Ferrarini & Benelli Srl, terraplasma GmbH, Molecular Plasma Group, Advanced Plasma Solutions Co. Inc., PlasmaLeap Technologies, US Medical Innovations LLC, COMET Plasma Control Technologies

What Key Trends Are Impacting The Size Of The Cold Plasma Market?

Companies in the market are introducing new products to secure a competitive edge. For instance, in January 2021, Zayndu Ltd. launched the Aurora Z10, featuring an activated air seed sterilization system that serves as a dry, chemical-free alternative to traditional seed treatments. This system generates Reactive Oxygen and Nitrogen Species (RONS) in the air to disinfect seeds, enhancing seed quality, preventing soil contamination, and improving germination rates. The eco-friendly nature of the Aurora Z10 aligns with the increasing focus on sustainable agricultural practices.

How Is The Global Cold Plasma Market Segmented?

The cold plasma market covered in this report is segmented –

- 1) By Regime: Atmospheric Cold Plasma, Low-Pressure Cold Plasma
- 2) By Technology: Remote Treatment, Direct Treatment, Electrode Contact
- 3) By Application: Wound Healing, Blood Coagulation, Dentistry, Cancer Treatment, Other Medical Applications
- 4) By End Use Sector: Automotive, Electronics & Semiconductors, Food Processing & Packaging, Medical, Aerospace, Polymers & Plastics, Other End-User Sector

Regional Insights: Asia-Pacific Paving the Way in the Cold Plasma Market

Asia-Pacific was the largest region in the market in 2023. North America is expected to be the fastest-growing region in the forecast period. The regions covered in the market report include

Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East and Africa.

Cold Plasma Market Definition

Cold plasma, also known as non-thermal atmospheric pressure plasma, is utilized in multiple industries, including plastics, textiles, and medicine. It consists of a reactive gas with ions, electrons, and neutral particles, enabling the generation of ozone from oxygen.

The [Cold Plasma Global Market Report 2024](#) from The Business Research Company includes the following key information:

- Market size data for both historical and future periods
- Analysis of both macro and microeconomic factors that have impacted the market over the past five years
- Regional market analysis covering Asia-Pacific, China, Western Europe, Eastern Europe, North America, the USA, South America, and the Middle East and Africa
- Country-specific market analysis for Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, the UK, and the USA.

Overview of the Global Cold Plasma Market Report: Trends, Opportunities, Strategies, and More
The Cold Plasma Global Market Report 2024 from The Business Research Company is an extensive resource that delivers insights into cold plasma market size, cold plasma market drivers and trends, cold plasma market major players, cold plasma competitors' revenues, cold plasma market positioning, and cold plasma market growth across geographies. This report provides valuable in-depth insights into potential opportunities and strategies. Companies can utilize the information presented to target segments with the greatest growth potential.

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