

Cold Plasma Market Size, Trends, Analysis, and Outlook By Industry (Polymer & Plastic Industry, Textile Industry, Electronics & Semiconductors Industry, Food & Agriculture Industry, Medical Industry), By Regime (Atmospheric Cold Plasma, Low-pressure Cold Plasma), by Country, Segment, and Companies, 2024-2032

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Abstracts

The global Cold Plasma market size is poised to register 16.1% growth from 2024 to 2032, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Cold Plasma market across By Industry (Polymer & Plastic Industry, Textile Industry, Electronics & Semiconductors Industry, Food & Agriculture Industry, Medical Industry), By Regime (Atmospheric Cold Plasma, Low-pressure Cold Plasma)

The cold plasma market is driven by the growing interest in plasma-based sterilization and disinfection technologies, advancements in cold atmospheric plasma (CAP) devices, and the need for non-thermal antimicrobial treatments. By 2030, the market is poised to witness steady growth, driven by innovations in plasma jet systems, plasma-enhanced chemical vapor deposition (PECVD) reactors, and plasma medicine applications. Further, expanding applications in healthcare facilities, food processing, and environmental decontamination are expected to drive market expansion, enabling industries and end-users to achieve rapid and effective microbial inactivation, extend product shelf life, and mitigate infection risks through cold plasma technology that is eco-friendly, residue-free, and compatible with a wide range of materials and surfaces.

Cold Plasma Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Cold Plasma market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Cold Plasma survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Cold Plasma industry.

Key market trends defining the global Cold Plasma demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Cold Plasma Market Segmentation- Industry Share, Market Size, and Outlook to 2032

The Cold Plasma industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Cold Plasma companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Cold Plasma industry

Leading Cold Plasma companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Cold Plasma companies.

Cold Plasma Market Study- Strategic Analysis Review

The Cold Plasma market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Cold Plasma Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Cold Plasma industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2032 in three case scenarios- low case, reference case, and high case scenarios.

Cold Plasma Country Analysis and Revenue Outlook to 2032

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2032. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2032.

North America Cold Plasma Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong healthcare infrastructure. Leading companies focus on new product launches in the changing environment. The US healthcare expenditure is expected to grow to \$4.8 trillion in 2024 (around 3.7% growth in 2024), potentially driving demand for various Cold Plasma market segments. Similarly, Strong market demand is encouraging Canadian Cold Plasma companies to invest in niche segments. Further, as Mexico continues to

strengthen its relations and invest in technological advancements, the Mexico Cold Plasma market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Cold Plasma Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Cold Plasma industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of vendors in identifying and leveraging new growth prospects positions the European Cold Plasma market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Cold Plasma Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Cold Plasma in Asia Pacific. In particular, China, India, and South East Asian Cold Plasma markets present a compelling outlook for 2032, acting as a magnet for both domestic and multinational vendors seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major countries in the APAC region.

Latin America Cold Plasma Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Cold Plasma Market Size Outlook- continues its upward

trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Cold Plasma market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Cold Plasma.

Cold Plasma Market Company Profiles

The global Cold Plasma market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are AcXys Plasma Technologies, Adtec Plasma Technology Co. Ltd, Advanced Plasma Solutions, Apyx Medical Corp, CINOXY GmbH, Coating Plasma Innovation, COMET Plasma Control Technologies GmbH, Enercon Industries Corp, Europlasma NV, Ferrarini & Benelli, Henniker Plasma, Molecular Plasma Group, Neoplas GmbH, Nordson Corp, P2i Ltd, PlasmaLeap Technologies, Plasmatrete GmbH, Relyon Plasma GmbH, SOFTAL Corona & Plasma GmbH, Surfx Technologies LLC, Tantec A/S, terraplasma GmbH, Thierry Corp, UNIQAIR Technologies, US Medical Innovations LLC.

Recent Cold Plasma Market Developments

The global Cold Plasma market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Cold Plasma Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Cold Plasma Market Size, Trends, Analysis, and Outlook By Industry (Polymer & Plastic Industry, Textile Indust...

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Industry

Polymer & Plastic Industry

-Surface Treatment

-Printing

-Adhesion

-Others

Textile Industry

-Finishing

-Dyeing/Printing

-Sterilization

-Others

Electronics & Semiconductors Industry

- Coating

- Etching

- Thin Film Deposition

Food & Agriculture Industry

- Packaging Decontamination

- Food Surface Decontamination

- Wastewater Treatment

- Seed Germination

Medical Industry

- Wound Healing

- Cancer Treatment

- Dentistry

- Blood Coagulation

- Others

By Regime

- Atmospheric Cold Plasma

- Low-pressure Cold Plasma

Geographical Segmentation:

- North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

AcXys Plasma Technologies

Adtec Plasma Technology Co. Ltd

Advanced Plasma Solutions

Apyx Medical Corp

CINOGY GmbH

Coating Plasma Innovation

COMET Plasma Control Technologies GmbH

Enercon Industries Corp

Europlasma NV

Ferrarini & Benelli

Henniker Plasma

Molecular Plasma Group

Neoplas GmbH

Nordson Corp

P2i Ltd

PlasmaLeap Technologies

Plasmatreat GmbH

Relyon Plasma GmbH

SOFTAL Corona & Plasma GmbH

Surfx Technologies LLC

Tantec A/S

terraplasma GmbH

Thierry Corp

UNIQAIR Technologies

US Medical Innovations LLC

Formats Available: Excel, PDF, and PPT

Contents

1. EXECUTIVE SUMMARY

- 1.1 Cold Plasma Market Overview and Key Findings, 2024
- 1.2 Cold Plasma Market Size and Growth Outlook, 2021- 2030
- 1.3 Cold Plasma Market Growth Opportunities to 2030
- 1.4 Key Cold Plasma Market Trends and Challenges
 - 1.4.1 Cold Plasma Market Drivers and Trends
 - 1.4.2 Cold Plasma Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Cold Plasma Companies

2. COLD PLASMA MARKET SIZE OUTLOOK TO 2030

- 2.1 Cold Plasma Market Size Outlook, USD Million, 2021- 2030
- 2.2 Cold Plasma Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

3. COLD PLASMA MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
 - * Threat of New Entrants
 - * Threat of Substitutes
 - * Intensity of Competitive Rivalry
 - * Bargaining Power of Buyers
 - * Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

4. COLD PLASMA MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
 - By Industry
 - Polymer & Plastic Industry
 - Surface Treatment
 - Printing

-Adhesion

-Others

Textile Industry

-Finishing

-Dyeing/Printing

-Sterilization

-Others

Electronics & Semiconductors Industry

-Coating

-Etching

-Thin Film Deposition

Food & Agriculture Industry

-Packaging Decontamination

-Food Surface Decontamination

-Wastewater Treatment

-Seed Germination

Medical Industry

-Wound Healing

-Cancer Treatment

-Dentistry

-Blood Coagulation

-Others

By Regime

Atmospheric Cold Plasma

Low-pressure Cold Plasma

4.3 Growth Prospects and Niche Opportunities, 2023- 2030

4.4 Regional comparison of Market Growth, CAGR, 2023-2030

5. REGION-WISE MARKET OUTLOOK TO 2030

5.1 Key Findings for Asia Pacific Cold Plasma Market, 2025

5.2 Asia Pacific Cold Plasma Market Size Outlook by Type, 2021- 2030

5.3 Asia Pacific Cold Plasma Market Size Outlook by Application, 2021- 2030

5.4 Key Findings for Europe Cold Plasma Market, 2025

5.5 Europe Cold Plasma Market Size Outlook by Type, 2021- 2030

5.6 Europe Cold Plasma Market Size Outlook by Application, 2021- 2030

5.7 Key Findings for North America Cold Plasma Market, 2025

5.8 North America Cold Plasma Market Size Outlook by Type, 2021- 2030

5.9 North America Cold Plasma Market Size Outlook by Application, 2021- 2030

- 5.10 Key Findings for South America Cold Plasma Market, 2025
- 5.11 South America Pacific Cold Plasma Market Size Outlook by Type, 2021- 2030
- 5.12 South America Cold Plasma Market Size Outlook by Application, 2021- 2030
- 5.13 Key Findings for Middle East and Africa Cold Plasma Market, 2025
- 5.14 Middle East Africa Cold Plasma Market Size Outlook by Type, 2021- 2030
- 5.15 Middle East Africa Cold Plasma Market Size Outlook by Application, 2021- 2030

6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030

- 6.1 US Cold Plasma Market Size Outlook and Revenue Growth Forecasts
- 6.2 US Cold Plasma Industry Drivers and Opportunities
- 6.3 Canada Market Size Outlook and Revenue Growth Forecasts
- 6.4 Canada Cold Plasma Industry Drivers and Opportunities
- 6.6 Mexico Market Size Outlook and Revenue Growth Forecasts
- 6.6 Mexico Cold Plasma Industry Drivers and Opportunities
- 6.7 Germany Market Size Outlook and Revenue Growth Forecasts
- 6.8 Germany Cold Plasma Industry Drivers and Opportunities
- 6.9 France Market Size Outlook and Revenue Growth Forecasts
- 6.10 France Cold Plasma Industry Drivers and Opportunities
- 6.11 UK Market Size Outlook and Revenue Growth Forecasts
- 6.12 UK Cold Plasma Industry Drivers and Opportunities
- 6.13 Spain Market Size Outlook and Revenue Growth Forecasts
- 6.14 Spain Cold Plasma Industry Drivers and Opportunities
- 6.16 Italy Market Size Outlook and Revenue Growth Forecasts
- 6.16 Italy Cold Plasma Industry Drivers and Opportunities
- 6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts
- 6.18 Rest of Europe Cold Plasma Industry Drivers and Opportunities
- 6.19 China Market Size Outlook and Revenue Growth Forecasts
- 6.20 China Cold Plasma Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India Cold Plasma Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan Cold Plasma Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Cold Plasma Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Cold Plasma Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Cold Plasma Industry Drivers and Opportunities

- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Cold Plasma Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Cold Plasma Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Cold Plasma Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Cold Plasma Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Cold Plasma Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Cold Plasma Industry Drivers and Opportunities

7. COLD PLASMA MARKET OUTLOOK ACROSS SCENARIOS

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

8. COLD PLASMA COMPANY PROFILES

- 8.1 Profiles of Leading Cold Plasma Companies in the Market
 - 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
 - 8.3 Financial Performance and Key Metrics
- AcXys Plasma Technologies
- Adtec Plasma Technology Co. Ltd
- Advanced Plasma Solutions
- Apyx Medical Corp
- CINOXY GmbH
- Coating Plasma Innovation
- COMET Plasma Control Technologies GmbH
- Enercon Industries Corp
- Europlasma NV
- Ferrarini & Benelli
- Henniker Plasma
- Molecular Plasma Group
- Neoplas GmbH
- Nordson Corp
- P2i Ltd

PlasmaLeap Technologies
Plasmatreat GmbH
Relyon Plasma GmbH
SOFTAL Corona & Plasma GmbH
Surfx Technologies LLC
Tantec A/S
terraplasma GmbH
Thierry Corp
UNIQAIR Technologies
US Medical Innovations LLC.

9. APPENDIX

9.1 Scope of the Report
9.2 Research Methodology and Data Sources
9.3 Glossary of Terms
9.4 Market Definitions
9.5 Contact Information

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