

# **Global Cold Plasma Market by Regime Type (Low-Pressure and Atmospheric Pressure), by Application Type (Cleaning & Activation, Coating, Decontamination, Wound Healing, Adhesion, Finishing, Sterilization, and Others), by End-Use Industry (Electrical & Electronic, Food, Medical, Textile, Polymers & Plastics, and Others), and by Region (North America, Europe, Asia-Pacific, and Rest of the World), Trend, Forecast, Competitive Analysis, and Growth Opportunity: 2017 – 2022**

<https://marketpublishers.com/r/G15B89D78FDEN.html>

Date: March 2017

Pages: 255

Price: US\$ 4,290.00 (Single User License)

ID: G15B89D78FDEN

## **Abstracts**

This report, from Stratview Research, studies the global cold plasma market over the period 2017 to 2022. The report provides detailed insights into the market dynamics to enable informed business decision-making and growth strategy formulation based on the opportunities in the market.

### **The Global Cold Plasma Market: Highlights**

The global cold plasma market was valued at US\$ 1,286.4 million in 2016 and is projected to witness an impressive double digit CAGR (Compound annual growth rate) of 12.2% over the next five years to reach US\$ 2,536.4 million in 2022. Continuous innovations in cold plasma technology, rising demand for eco-friendly products, increasing use of cold plasma in food packaging industry, introduction of stringent safety standards in various industries including food safety, and growing needs for frozen food are some of the growth drivers of the cold plasma market.

Global cold plasma market is segmented based on end-use industry type as electrical & electronics, polymers & plastics, medical, textiles, food, and others. Electrical & electronic industry is forecasted to remain the largest segment of cold plasma over the next five years, driven by increasing preference of cold plasma in the semiconductors. The food industry is projected to witness the highest growth during the same period, driven by increased safety standards with higher demand for non-hazardous plasmas.

Global cold plasma market is segmented based on application type as coating, cleaning & activation, finishing, wound healing, adhesion, decontamination, sterilization, and others. Cleaning & activation is projected to remain the largest application of cold plasma during the forecast period, propelled by an increasing penetration in the electrical & electronic and polymer & plastics industries. The coating segment also occupied a good share in the global cold plasma market in 2016, driven by North America and Asia-Pacific regions. Decontamination currently holds a diminutive share in the global cold plasma market but is expected to witness the highest growth during the forecast period, driven by the food industry.

Global cold plasma market is segmented based on regime type as low pressure and atmospheric pressure. Both low and atmospheric pressure cold plasmas are projected to grow at impressive rates over the next five years. Low-pressure cold plasma is mainly used in the manufacturing of semiconductors whereas atmospheric cold plasma is used in a wide variety of applications from textile to the medical industry.

Europe is projected to remain the largest market for cold plasma during the forecast period, driven by the presence of several cold plasma suppliers and high research & development activities in the major European markets, such as Germany, France, and the UK. Asia-Pacific, which is currently the third largest market after the Europe and North America, is projected to witness the highest growth during the same period. China, India, Japan, and South Korea will act as the growth engines of the Asia-Pacific's cold plasma market, driven by the continuous shift of electronic manufacturing to Asia countries, increasing demand for decontaminated frozen food, growing manufacturing facilities of textiles, and increasing production of polymers.

Global cold plasma market is highly fragmented with the presence of few global players and several small regional players. Most of the small players have capabilities limited to few applications in a few end-use industries. ADTEC Plasma Technology Co. Ltd., Enercon Industries Corporation, Europlasma NV, Henniker Plasma, Neoplas Tools GmbH, Nordson Corporation, P2i Limited, Plasmatreat GmbH, Tantec A/S, and

Vetaphone A/S are major players in the global cold plasma market. Development of new applications, innovations in new technology, and collaboration with customers are some of the key strategies adopted by major companies to gain a competitive edge over the others.

## **Research Methodology**

This report offers high-quality insights and is the outcome of detailed research methodology comprising extensive secondary research, rigorous primary interviews with industry stakeholders and validation and triangulation with Stratview Research's internal database and statistical tools. More than 700 authenticated secondary sources, such as company annual reports, fact book, press release, journals, investor presentation, white papers, patents, and articles have been leveraged to gather the data. We usually conduct more than 10 detailed primary interviews with the market players across the value chain in all the four regions and with industry experts to obtain both the qualitative and quantitative insights.

## **Report Features**

This report provides market intelligence in the most comprehensive way. The report structure has been kept such that it offers maximum business value. It provides critical insights into the market dynamics and will enable strategic decision making for the existing market players as well as those willing to enter the market. The following are the key features of the report:

Market structure: Overview, industry life cycle analysis, supply chain analysis

Market environment analysis: Growth drivers and constraints, Porter's five forces analysis, SWOT analysis

Market Trend and Forecast analysis

Market segment trend and forecast

Competitive landscape and dynamics: Market share, Product portfolio, Product launches, etc.

Attractive market segments and associated growth opportunities

Emerging trends

Strategic growth opportunities for the existing and new players

Key success factors

The global Cold Plasma market is segmented into the following categories:

Global Cold Plasma Market by Regime Type:

Low-Pressure(Regional Analysis: NA, Europe, APAC, and RoW)

Atmospheric Pressure(Regional Analysis: NA, Europe, APAC, and RoW)

Global Cold Plasma Market by End-Use Industry Type:

Electrical & Electronic (Regional Analysis: NA, Europe, APAC, and RoW)

Food (Regional Analysis: NA, Europe, APAC, and RoW)

Medical (Regional Analysis: NA, Europe, APAC, and RoW)

Textiles (Regional Analysis: NA, Europe, APAC, and RoW)

Polymers & Plastics (Regional Analysis: NA, Europe, APAC, and RoW)

Others (Regional Analysis: NA, Europe, APAC, and RoW)

Global Cold Plasma Market by Application Type:

Cleaning & Activation (Regional Analysis: NA, Europe, APAC, and RoW)

Coating (Regional Analysis: NA, Europe, APAC, and RoW)

Decontamination (Regional Analysis: NA, Europe, APAC, and RoW)

Wound healing (Regional Analysis: NA, Europe, APAC, and RoW)

Adhesion (Regional Analysis: NA, Europe, APAC, and RoW)

Finishing (Regional Analysis: NA, Europe, APAC, and RoW)

Sterilization (Regional Analysis: NA, Europe, APAC, and RoW)

Others (Regional Analysis: NA, Europe, APAC, and RoW)

#### Global Cold Plasma Market by Region:

North America (Country Analysis: the USA, Canada, and Mexico)

Europe (Country Analysis: Germany, the UK, Russia, and Rest of the Europe)

Asia-Pacific (Country Analysis: China, Japan, India, and Rest of the Asia-Pacific)

Rest of the world (Country Analysis: Latin America, Middle East, and Others)

#### Report Customization Options

With this detailed report, Stratview Research offers one of the following free customization options to our respectable clients:

#### Company Profiling

Detailed profiling of additional market players (up to 3)

SWOT analysis of key players (up to 3)

#### Market Segmentation

Current market segmentation of any one of the end-use industry type by application type

## **Competitive Benchmarking**

Benchmarking of key players on the following parameters: Product portfolio, geographical reach, regional presence, and strategic alliances

Custom Research: Stratview Research offers custom research services across sectors. In case of any custom research requirement related to market assessment, competitive benchmarking, sourcing and procurement, target screening, and others, please send your inquiry at [sales@stratviewresearch.com](mailto:sales@stratviewresearch.com)

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9.6. Nordson Corporation

9.7. P2i Limited

9.8. Plasmatreat GmbH

9.9. Tantec A/S

9.10. Vetaphone A/S

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