

Global Nonthermal 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 Nonthermal 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.

Nonthermal plasma, also known as cold plasma, is a state of matter where a gas is ionized at low temperatures, typically below 100 degrees Celsius. Unlike thermal plasma, which reaches high temperatures and is often used in applications like welding and cutting, nonthermal plasma maintains a cooler temperature while still generating high-energy particles. This unique property allows it to be used for various applications, including surface modification, sterilization, and material processing.

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

Global Nonthermal 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 Nonthermal 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 Nonthermal 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 Nonthermal 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 Nonthermal 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, Plasmatreat, Tantec, AcXys Plasma Technologies, etc.

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

Market Segmentation

Nonthermal 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 Nonthermal Plasma

Low Pressure Nonthermal 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 & Plasm a 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 Nonthermal Plasma product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Nonthermal 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 Nonthermal 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 Nonthermal Plasma.

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

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Nonthermal Plasma Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Atmospheric Nonthermal Plasma

1.3.3 Low Pressure Nonthermal Plasma

1.4 Market Analysis by Application

1.4.1 Overview: Global Nonthermal Plasma Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Surface Treatment

1.4.3 Thin Film Deposition

1.4.4 Sterilization and Decontamination

1.4.5 Wound Healing

1.4.6 Aesthetic

1.4.7 Others

1.5 Global Nonthermal Plasma Market Size & Forecast

1.5.1 Global Nonthermal Plasma Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Nonthermal Plasma Sales Quantity (2020-2031)

1.5.3 Global Nonthermal Plasma Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Apyx Medical

2.1.1 Apyx Medical Details

2.1.2 Apyx Medical Major Business

2.1.3 Apyx Medical Nonthermal Plasma Product and Services

2.1.4 Apyx Medical Nonthermal Plasma Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Apyx Medical Recent Developments/Updates

2.2 Nordson

2.2.1 Nordson Details

2.2.2 Nordson Major Business

2.2.3 Nordson Nonthermal Plasma Product and Services

2.2.4 Nordson Nonthermal Plasma Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2020-2025)

2.2.5 Nordson Recent Developments/Updates

2.3 Henniker Plasma

2.3.1 Henniker Plasma Details

2.3.2 Henniker Plasma Major Business

2.3.3 Henniker Plasma Nonthermal Plasma Product and Services

2.3.4 Henniker Plasma Nonthermal Plasma Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.3.5 Henniker Plasma Recent Developments/Updates

2.4 Enercon Industries

2.4.1 Enercon Industries Details

2.4.2 Enercon Industries Major Business

2.4.3 Enercon Industries Nonthermal Plasma Product and Services

2.4.4 Enercon Industries Nonthermal Plasma Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 Enercon Industries Recent Developments/Updates

2.5 P2i Ltd

2.5.1 P2i Ltd Details

2.5.2 P2i Ltd Major Business

2.5.3 P2i Ltd Nonthermal Plasma Product and Services

2.5.4 P2i Ltd Nonthermal Plasma Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.5.5 P2i Ltd Recent Developments/Updates

2.6 Relyon Plasma

2.6.1 Relyon Plasma Details

2.6.2 Relyon Plasma Major Business

2.6.3 Relyon Plasma Nonthermal Plasma Product and Services

2.6.4 Relyon Plasma Nonthermal Plasma Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.6.5 Relyon Plasma Recent Developments/Updates

2.7 Adtec Plasma Technology

2.7.1 Adtec Plasma Technology Details

2.7.2 Adtec Plasma Technology Major Business

2.7.3 Adtec Plasma Technology Nonthermal Plasma Product and Services

2.7.4 Adtec Plasma Technology Nonthermal Plasma Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.7.5 Adtec Plasma Technology Recent Developments/Updates

2.8 Plasmatreat

2.8.1 Plasmatreat Details

- 2.8.2 Plasmatreteat Major Business
- 2.8.3 Plasmatreteat Nonthermal Plasma Product and Services
- 2.8.4 Plasmatreteat Nonthermal Plasma Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.8.5 Plasmatreteat Recent Developments/Updates
- 2.9 Tantec
 - 2.9.1 Tantec Details
 - 2.9.2 Tantec Major Business
 - 2.9.3 Tantec Nonthermal Plasma Product and Services
 - 2.9.4 Tantec Nonthermal Plasma Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.9.5 Tantec Recent Developments/Updates
- 2.10 AcXys Plasma Technologies
 - 2.10.1 AcXys Plasma Technologies Details
 - 2.10.2 AcXys Plasma Technologies Major Business
 - 2.10.3 AcXys Plasma Technologies Nonthermal Plasma Product and Services
 - 2.10.4 AcXys Plasma Technologies Nonthermal Plasma Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.10.5 AcXys Plasma Technologies Recent Developments/Updates
- 2.11 Surfx Technologies
 - 2.11.1 Surfx Technologies Details
 - 2.11.2 Surfx Technologies Major Business
 - 2.11.3 Surfx Technologies Nonthermal Plasma Product and Services
 - 2.11.4 Surfx Technologies Nonthermal Plasma Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.11.5 Surfx Technologies Recent Developments/Updates
- 2.12 Europlasma
 - 2.12.1 Europlasma Details
 - 2.12.2 Europlasma Major Business
 - 2.12.3 Europlasma Nonthermal Plasma Product and Services
 - 2.12.4 Europlasma Nonthermal Plasma Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.12.5 Europlasma Recent Developments/Updates
- 2.13 Thierry Corp.
 - 2.13.1 Thierry Corp. Details
 - 2.13.2 Thierry Corp. Major Business
 - 2.13.3 Thierry Corp. Nonthermal Plasma Product and Services
 - 2.13.4 Thierry Corp. Nonthermal Plasma Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

- 2.13.5 Thierry Corp. Recent Developments/Updates
- 2.14 SOFTAL Corona & Plasm a GmbH
 - 2.14.1 SOFTAL Corona & Plasm a GmbH Details
 - 2.14.2 SOFTAL Corona & Plasm a GmbH Major Business
 - 2.14.3 SOFTAL Corona & Plasm a GmbH Nonthermal Plasma Product and Services
 - 2.14.4 SOFTAL Corona & Plasm a GmbH Nonthermal Plasma Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.14.5 SOFTAL Corona & Plasm a GmbH Recent Developments/Updates
- 2.15 Coating Plasma Innovation
 - 2.15.1 Coating Plasma Innovation Details
 - 2.15.2 Coating Plasma Innovation Major Business
 - 2.15.3 Coating Plasma Innovation Nonthermal Plasma Product and Services
 - 2.15.4 Coating Plasma Innovation Nonthermal Plasma Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.15.5 Coating Plasma Innovation Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: NONTHERMAL PLASMA BY MANUFACTURER

- 3.1 Global Nonthermal Plasma Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global Nonthermal Plasma Revenue by Manufacturer (2020-2025)
- 3.3 Global Nonthermal Plasma Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
 - 3.4.1 Producer Shipments of Nonthermal Plasma by Manufacturer Revenue (\$MM) and Market Share (%): 2024
 - 3.4.2 Top 3 Nonthermal Plasma Manufacturer Market Share in 2024
 - 3.4.3 Top 6 Nonthermal Plasma Manufacturer Market Share in 2024
- 3.5 Nonthermal Plasma Market: Overall Company Footprint Analysis
 - 3.5.1 Nonthermal Plasma Market: Region Footprint
 - 3.5.2 Nonthermal Plasma Market: Company Product Type Footprint
 - 3.5.3 Nonthermal Plasma Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Nonthermal Plasma Market Size by Region
 - 4.1.1 Global Nonthermal Plasma Sales Quantity by Region (2020-2031)
 - 4.1.2 Global Nonthermal Plasma Consumption Value by Region (2020-2031)
 - 4.1.3 Global Nonthermal Plasma Average Price by Region (2020-2031)

- 4.2 North America Nonthermal Plasma Consumption Value (2020-2031)
- 4.3 Europe Nonthermal Plasma Consumption Value (2020-2031)
- 4.4 Asia-Pacific Nonthermal Plasma Consumption Value (2020-2031)
- 4.5 South America Nonthermal Plasma Consumption Value (2020-2031)
- 4.6 Middle East & Africa Nonthermal Plasma Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Nonthermal Plasma Sales Quantity by Type (2020-2031)
- 5.2 Global Nonthermal Plasma Consumption Value by Type (2020-2031)
- 5.3 Global Nonthermal Plasma Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Nonthermal Plasma Sales Quantity by Application (2020-2031)
- 6.2 Global Nonthermal Plasma Consumption Value by Application (2020-2031)
- 6.3 Global Nonthermal Plasma Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America Nonthermal Plasma Sales Quantity by Type (2020-2031)
- 7.2 North America Nonthermal Plasma Sales Quantity by Application (2020-2031)
- 7.3 North America Nonthermal Plasma Market Size by Country
 - 7.3.1 North America Nonthermal Plasma Sales Quantity by Country (2020-2031)
 - 7.3.2 North America Nonthermal Plasma Consumption Value by Country (2020-2031)
 - 7.3.3 United States Market Size and Forecast (2020-2031)
 - 7.3.4 Canada Market Size and Forecast (2020-2031)
 - 7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

- 8.1 Europe Nonthermal Plasma Sales Quantity by Type (2020-2031)
- 8.2 Europe Nonthermal Plasma Sales Quantity by Application (2020-2031)
- 8.3 Europe Nonthermal Plasma Market Size by Country
 - 8.3.1 Europe Nonthermal Plasma Sales Quantity by Country (2020-2031)
 - 8.3.2 Europe Nonthermal Plasma Consumption Value by Country (2020-2031)
 - 8.3.3 Germany Market Size and Forecast (2020-2031)
 - 8.3.4 France Market Size and Forecast (2020-2031)
 - 8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific Nonthermal Plasma Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Nonthermal Plasma Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific Nonthermal Plasma Market Size by Region

9.3.1 Asia-Pacific Nonthermal Plasma Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific Nonthermal Plasma Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America Nonthermal Plasma Sales Quantity by Type (2020-2031)

10.2 South America Nonthermal Plasma Sales Quantity by Application (2020-2031)

10.3 South America Nonthermal Plasma Market Size by Country

10.3.1 South America Nonthermal Plasma Sales Quantity by Country (2020-2031)

10.3.2 South America Nonthermal Plasma Consumption Value by Country
(2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Nonthermal Plasma Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa Nonthermal Plasma Sales Quantity by Application
(2020-2031)

11.3 Middle East & Africa Nonthermal Plasma Market Size by Country

11.3.1 Middle East & Africa Nonthermal Plasma Sales Quantity by Country
(2020-2031)

11.3.2 Middle East & Africa Nonthermal Plasma Consumption Value by Country
(2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

- 11.3.4 Egypt Market Size and Forecast (2020-2031)
- 11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)
- 11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

- 12.1 Nonthermal Plasma Market Drivers
- 12.2 Nonthermal Plasma Market Restraints
- 12.3 Nonthermal Plasma Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Nonthermal Plasma and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Nonthermal Plasma
- 13.3 Nonthermal Plasma Production Process
- 13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Nonthermal Plasma Typical Distributors
- 14.3 Nonthermal Plasma Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Nonthermal Plasma Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Nonthermal Plasma Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Apyx Medical Basic Information, Manufacturing Base and Competitors

Table 4. Apyx Medical Major Business

Table 5. Apyx Medical Nonthermal Plasma Product and Services

Table 6. Apyx Medical Nonthermal Plasma Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Apyx Medical Recent Developments/Updates

Table 8. Nordson Basic Information, Manufacturing Base and Competitors

Table 9. Nordson Major Business

Table 10. Nordson Nonthermal Plasma Product and Services

Table 11. Nordson Nonthermal Plasma Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Nordson Recent Developments/Updates

Table 13. Henniker Plasma Basic Information, Manufacturing Base and Competitors

Table 14. Henniker Plasma Major Business

Table 15. Henniker Plasma Nonthermal Plasma Product and Services

Table 16. Henniker Plasma Nonthermal Plasma Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Henniker Plasma Recent Developments/Updates

Table 18. Enercon Industries Basic Information, Manufacturing Base and Competitors

Table 19. Enercon Industries Major Business

Table 20. Enercon Industries Nonthermal Plasma Product and Services

Table 21. Enercon Industries Nonthermal Plasma Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Enercon Industries Recent Developments/Updates

Table 23. P2i Ltd Basic Information, Manufacturing Base and Competitors

Table 24. P2i Ltd Major Business

Table 25. P2i Ltd Nonthermal Plasma Product and Services

Table 26. P2i Ltd Nonthermal Plasma Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. P2i Ltd Recent Developments/Updates

Table 28. Relyon Plasma Basic Information, Manufacturing Base and Competitors

Table 29. Relyon Plasma Major Business

Table 30. Relyon Plasma Nonthermal Plasma Product and Services

Table 31. Relyon Plasma Nonthermal Plasma Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Relyon Plasma Recent Developments/Updates

Table 33. Adtec Plasma Technology Basic Information, Manufacturing Base and Competitors

Table 34. Adtec Plasma Technology Major Business

Table 35. Adtec Plasma Technology Nonthermal Plasma Product and Services

Table 36. Adtec Plasma Technology Nonthermal Plasma Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Adtec Plasma Technology Recent Developments/Updates

Table 38. Plasmatreat Basic Information, Manufacturing Base and Competitors

Table 39. Plasmatreat Major Business

Table 40. Plasmatreat Nonthermal Plasma Product and Services

Table 41. Plasmatreat Nonthermal Plasma Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Plasmatreat Recent Developments/Updates

Table 43. Tantec Basic Information, Manufacturing Base and Competitors

Table 44. Tantec Major Business

Table 45. Tantec Nonthermal Plasma Product and Services

Table 46. Tantec Nonthermal Plasma Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Tantec Recent Developments/Updates

Table 48. AcXys Plasma Technologies Basic Information, Manufacturing Base and Competitors

Table 49. AcXys Plasma Technologies Major Business

Table 50. AcXys Plasma Technologies Nonthermal Plasma Product and Services

Table 51. AcXys Plasma Technologies Nonthermal Plasma Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. AcXys Plasma Technologies Recent Developments/Updates

Table 53. Surfx Technologies Basic Information, Manufacturing Base and Competitors

Table 54. Surfx Technologies Major Business

Table 55. Surfx Technologies Nonthermal Plasma Product and Services

Table 56. Surfx Technologies Nonthermal Plasma Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. Surfx Technologies Recent Developments/Updates

Table 58. Europlasma Basic Information, Manufacturing Base and Competitors

Table 59. Europlasma Major Business

- Table 60. Europlasma Nonthermal Plasma Product and Services
- Table 61. Europlasma Nonthermal Plasma Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 62. Europlasma Recent Developments/Updates
- Table 63. Thierry Corp. Basic Information, Manufacturing Base and Competitors
- Table 64. Thierry Corp. Major Business
- Table 65. Thierry Corp. Nonthermal Plasma Product and Services
- Table 66. Thierry Corp. Nonthermal Plasma Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 67. Thierry Corp. Recent Developments/Updates
- Table 68. SOFTAL Corona & Plasm a GmbH Basic Information, Manufacturing Base and Competitors
- Table 69. SOFTAL Corona & Plasm a GmbH Major Business
- Table 70. SOFTAL Corona & Plasm a GmbH Nonthermal Plasma Product and Services
- Table 71. SOFTAL Corona & Plasm a GmbH Nonthermal Plasma Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 72. SOFTAL Corona & Plasm a GmbH Recent Developments/Updates
- Table 73. Coating Plasma Innovation Basic Information, Manufacturing Base and Competitors
- Table 74. Coating Plasma Innovation Major Business
- Table 75. Coating Plasma Innovation Nonthermal Plasma Product and Services
- Table 76. Coating Plasma Innovation Nonthermal Plasma Sales Quantity (L), Average Price (US\$/L), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
- Table 77. Coating Plasma Innovation Recent Developments/Updates
- Table 78. Global Nonthermal Plasma Sales Quantity by Manufacturer (2020-2025) & (L)
- Table 79. Global Nonthermal Plasma Revenue by Manufacturer (2020-2025) & (USD Million)
- Table 80. Global Nonthermal Plasma Average Price by Manufacturer (2020-2025) & (US\$/L)
- Table 81. Market Position of Manufacturers in Nonthermal Plasma, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024
- Table 82. Head Office and Nonthermal Plasma Production Site of Key Manufacturer
- Table 83. Nonthermal Plasma Market: Company Product Type Footprint
- Table 84. Nonthermal Plasma Market: Company Product Application Footprint
- Table 85. Nonthermal Plasma New Market Entrants and Barriers to Market Entry
- Table 86. Nonthermal Plasma Mergers, Acquisition, Agreements, and Collaborations
- Table 87. Global Nonthermal Plasma Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 88. Global Nonthermal Plasma Sales Quantity by Region (2020-2025) & (L)

Table 89. Global Nonthermal Plasma Sales Quantity by Region (2026-2031) & (L)

Table 90. Global Nonthermal Plasma Consumption Value by Region (2020-2025) & (USD Million)

Table 91. Global Nonthermal Plasma Consumption Value by Region (2026-2031) & (USD Million)

Table 92. Global Nonthermal Plasma Average Price by Region (2020-2025) & (US\$/L)

Table 93. Global Nonthermal Plasma Average Price by Region (2026-2031) & (US\$/L)

Table 94. Global Nonthermal Plasma Sales Quantity by Type (2020-2025) & (L)

Table 95. Global Nonthermal Plasma Sales Quantity by Type (2026-2031) & (L)

Table 96. Global Nonthermal Plasma Consumption Value by Type (2020-2025) & (USD Million)

Table 97. Global Nonthermal Plasma Consumption Value by Type (2026-2031) & (USD Million)

Table 98. Global Nonthermal Plasma Average Price by Type (2020-2025) & (US\$/L)

Table 99. Global Nonthermal Plasma Average Price by Type (2026-2031) & (US\$/L)

Table 100. Global Nonthermal Plasma Sales Quantity by Application (2020-2025) & (L)

Table 101. Global Nonthermal Plasma Sales Quantity by Application (2026-2031) & (L)

Table 102. Global Nonthermal Plasma Consumption Value by Application (2020-2025) & (USD Million)

Table 103. Global Nonthermal Plasma Consumption Value by Application (2026-2031) & (USD Million)

Table 104. Global Nonthermal Plasma Average Price by Application (2020-2025) & (US\$/L)

Table 105. Global Nonthermal Plasma Average Price by Application (2026-2031) & (US\$/L)

Table 106. North America Nonthermal Plasma Sales Quantity by Type (2020-2025) & (L)

Table 107. North America Nonthermal Plasma Sales Quantity by Type (2026-2031) & (L)

Table 108. North America Nonthermal Plasma Sales Quantity by Application (2020-2025) & (L)

Table 109. North America Nonthermal Plasma Sales Quantity by Application (2026-2031) & (L)

Table 110. North America Nonthermal Plasma Sales Quantity by Country (2020-2025) & (L)

Table 111. North America Nonthermal Plasma Sales Quantity by Country (2026-2031) & (L)

Table 112. North America Nonthermal Plasma Consumption Value by Country

(2020-2025) & (USD Million)

Table 113. North America Nonthermal Plasma Consumption Value by Country

(2026-2031) & (USD Million)

Table 114. Europe Nonthermal Plasma Sales Quantity by Type (2020-2025) & (L)

Table 115. Europe Nonthermal Plasma Sales Quantity by Type (2026-2031) & (L)

Table 116. Europe Nonthermal Plasma Sales Quantity by Application (2020-2025) & (L)

Table 117. Europe Nonthermal Plasma Sales Quantity by Application (2026-2031) & (L)

Table 118. Europe Nonthermal Plasma Sales Quantity by Country (2020-2025) & (L)

Table 119. Europe Nonthermal Plasma Sales Quantity by Country (2026-2031) & (L)

Table 120. Europe Nonthermal Plasma Consumption Value by Country (2020-2025) & (USD Million)

Table 121. Europe Nonthermal Plasma Consumption Value by Country (2026-2031) & (USD Million)

Table 122. Asia-Pacific Nonthermal Plasma Sales Quantity by Type (2020-2025) & (L)

Table 123. Asia-Pacific Nonthermal Plasma Sales Quantity by Type (2026-2031) & (L)

Table 124. Asia-Pacific Nonthermal Plasma Sales Quantity by Application (2020-2025) & (L)

Table 125. Asia-Pacific Nonthermal Plasma Sales Quantity by Application (2026-2031) & (L)

Table 126. Asia-Pacific Nonthermal Plasma Sales Quantity by Region (2020-2025) & (L)

Table 127. Asia-Pacific Nonthermal Plasma Sales Quantity by Region (2026-2031) & (L)

Table 128. Asia-Pacific Nonthermal Plasma Consumption Value by Region (2020-2025) & (USD Million)

Table 129. Asia-Pacific Nonthermal Plasma Consumption Value by Region (2026-2031) & (USD Million)

Table 130. South America Nonthermal Plasma Sales Quantity by Type (2020-2025) & (L)

Table 131. South America Nonthermal Plasma Sales Quantity by Type (2026-2031) & (L)

Table 132. South America Nonthermal Plasma Sales Quantity by Application (2020-2025) & (L)

Table 133. South America Nonthermal Plasma Sales Quantity by Application (2026-2031) & (L)

Table 134. South America Nonthermal Plasma Sales Quantity by Country (2020-2025) & (L)

Table 135. South America Nonthermal Plasma Sales Quantity by Country (2026-2031) & (L)

Table 136. South America Nonthermal Plasma Consumption Value by Country (2020-2025) & (USD Million)

Table 137. South America Nonthermal Plasma Consumption Value by Country (2026-2031) & (USD Million)

Table 138. Middle East & Africa Nonthermal Plasma Sales Quantity by Type (2020-2025) & (L)

Table 139. Middle East & Africa Nonthermal Plasma Sales Quantity by Type (2026-2031) & (L)

Table 140. Middle East & Africa Nonthermal Plasma Sales Quantity by Application (2020-2025) & (L)

Table 141. Middle East & Africa Nonthermal Plasma Sales Quantity by Application (2026-2031) & (L)

Table 142. Middle East & Africa Nonthermal Plasma Sales Quantity by Country (2020-2025) & (L)

Table 143. Middle East & Africa Nonthermal Plasma Sales Quantity by Country (2026-2031) & (L)

Table 144. Middle East & Africa Nonthermal Plasma Consumption Value by Country (2020-2025) & (USD Million)

Table 145. Middle East & Africa Nonthermal Plasma Consumption Value by Country (2026-2031) & (USD Million)

Table 146. Nonthermal Plasma Raw Material

Table 147. Key Manufacturers of Nonthermal Plasma Raw Materials

Table 148. Nonthermal Plasma Typical Distributors

Table 149. Nonthermal Plasma Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Nonthermal Plasma Picture

Figure 2. Global Nonthermal Plasma Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Nonthermal Plasma Revenue Market Share by Type in 2024

Figure 4. Atmospheric Nonthermal Plasma Examples

Figure 5. Low Pressure Nonthermal Plasma Examples

Figure 6. Global Nonthermal Plasma Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 7. Global Nonthermal Plasma Revenue Market Share by Application in 2024

Figure 8. Surface Treatment Examples

Figure 9. Thin Film Deposition Examples

Figure 10. Sterilization and Decontamination Examples

Figure 11. Wound Healing Examples

Figure 12. Aesthetic Examples

Figure 13. Others Examples

Figure 14. Global Nonthermal Plasma Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 15. Global Nonthermal Plasma Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 16. Global Nonthermal Plasma Sales Quantity (2020-2031) & (L)

Figure 17. Global Nonthermal Plasma Price (2020-2031) & (US\$/L)

Figure 18. Global Nonthermal Plasma Sales Quantity Market Share by Manufacturer in 2024

Figure 19. Global Nonthermal Plasma Revenue Market Share by Manufacturer in 2024

Figure 20. Producer Shipments of Nonthermal Plasma by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 21. Top 3 Nonthermal Plasma Manufacturer (Revenue) Market Share in 2024

Figure 22. Top 6 Nonthermal Plasma Manufacturer (Revenue) Market Share in 2024

Figure 23. Global Nonthermal Plasma Sales Quantity Market Share by Region (2020-2031)

Figure 24. Global Nonthermal Plasma Consumption Value Market Share by Region (2020-2031)

Figure 25. North America Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 26. Europe Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 27. Asia-Pacific Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 28. South America Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 29. Middle East & Africa Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 30. Global Nonthermal Plasma Sales Quantity Market Share by Type (2020-2031)

Figure 31. Global Nonthermal Plasma Consumption Value Market Share by Type (2020-2031)

Figure 32. Global Nonthermal Plasma Average Price by Type (2020-2031) & (US\$/L)

Figure 33. Global Nonthermal Plasma Sales Quantity Market Share by Application (2020-2031)

Figure 34. Global Nonthermal Plasma Revenue Market Share by Application (2020-2031)

Figure 35. Global Nonthermal Plasma Average Price by Application (2020-2031) & (US\$/L)

Figure 36. North America Nonthermal Plasma Sales Quantity Market Share by Type (2020-2031)

Figure 37. North America Nonthermal Plasma Sales Quantity Market Share by Application (2020-2031)

Figure 38. North America Nonthermal Plasma Sales Quantity Market Share by Country (2020-2031)

Figure 39. North America Nonthermal Plasma Consumption Value Market Share by Country (2020-2031)

Figure 40. United States Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 41. Canada Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 42. Mexico Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 43. Europe Nonthermal Plasma Sales Quantity Market Share by Type (2020-2031)

Figure 44. Europe Nonthermal Plasma Sales Quantity Market Share by Application (2020-2031)

Figure 45. Europe Nonthermal Plasma Sales Quantity Market Share by Country (2020-2031)

Figure 46. Europe Nonthermal Plasma Consumption Value Market Share by Country (2020-2031)

Figure 47. Germany Nonthermal Plasma Consumption Value (2020-2031) & (USD

Million)

Figure 48. France Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 49. United Kingdom Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 50. Russia Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 51. Italy Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 52. Asia-Pacific Nonthermal Plasma Sales Quantity Market Share by Type (2020-2031)

Figure 53. Asia-Pacific Nonthermal Plasma Sales Quantity Market Share by Application (2020-2031)

Figure 54. Asia-Pacific Nonthermal Plasma Sales Quantity Market Share by Region (2020-2031)

Figure 55. Asia-Pacific Nonthermal Plasma Consumption Value Market Share by Region (2020-2031)

Figure 56. China Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 57. Japan Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 58. South Korea Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 59. India Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 60. Southeast Asia Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 61. Australia Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 62. South America Nonthermal Plasma Sales Quantity Market Share by Type (2020-2031)

Figure 63. South America Nonthermal Plasma Sales Quantity Market Share by Application (2020-2031)

Figure 64. South America Nonthermal Plasma Sales Quantity Market Share by Country (2020-2031)

Figure 65. South America Nonthermal Plasma Consumption Value Market Share by Country (2020-2031)

Figure 66. Brazil Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 67. Argentina Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 68. Middle East & Africa Nonthermal Plasma Sales Quantity Market Share by Type (2020-2031)

Figure 69. Middle East & Africa Nonthermal Plasma Sales Quantity Market Share by Application (2020-2031)

Figure 70. Middle East & Africa Nonthermal Plasma Sales Quantity Market Share by

Country (2020-2031)

Figure 71. Middle East & Africa Nonthermal Plasma Consumption Value Market Share by Country (2020-2031)

Figure 72. Turkey Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 73. Egypt Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 74. Saudi Arabia Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 75. South Africa Nonthermal Plasma Consumption Value (2020-2031) & (USD Million)

Figure 76. Nonthermal Plasma Market Drivers

Figure 77. Nonthermal Plasma Market Restraints

Figure 78. Nonthermal Plasma Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. Manufacturing Cost Structure Analysis of Nonthermal Plasma in 2024

Figure 81. Manufacturing Process Analysis of Nonthermal Plasma

Figure 82. Nonthermal Plasma Industrial Chain

Figure 83. Sales Channel: Direct to End-User vs Distributors

Figure 84. Direct Channel Pros & Cons

Figure 85. Indirect Channel Pros & Cons

Figure 86. Methodology

Figure 87. Research Process and Data Source

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