

Global Plasma Cutting Machine Market Size Study & Forecast, by Product Type (Manual/Handheld and CNC/Automated), By Application (Industrial Manufacturing, Automotive, Construction, Salvage and Scrapping Operations, and Others), and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/G7A3BDFB1BF0EN.html>

Date: March 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G7A3BDFB1BF0EN

Abstracts

Global Plasma Cutting Machine Market is valued approximately at USD 631.7 million in 2022 and is anticipated to grow with a healthy growth rate of more than 3.8% over the forecast period 2023-2030. Plasma cutting machines are utilized for precise cutting of steel and other metals as per specific requirements. These machines employ a plasma arc and high-speed stream mechanism. A gas stream is directed through a nozzle onto the material at high velocity, compressing the gas into plasma and elevating the temperature to facilitate metal cutting. In the market, plasma cutting machines are available in single flow and dual flow types, with the latter further categorized into shielded and unshielded variants. These machines are operated either automatically or manually. Plasma cutting machines come in various configurations including 2-dimensional, 3-dimensional, and tube or section cutting capabilities. Industries such as manufacturing, automotive, industrial construction, electric equipment, aerospace, and defense sectors extensively utilize plasma cutting machines due to their efficiency and effectiveness in metal cutting within shorter timeframes. The Plasma Cutting Machine Market is expanding because of factors such as the supportive government initiatives and policies, as well as rise in integration of automation in plasma cutting machines.

In addition, the rise in the global manufacturing activities, driven by factors such as population growth, urbanization, and industrialization, generates sustained demand for

plasma cutting machines across various industrial sectors. According to Statista, in 2020, global manufacturing industries market accounts USD 3.48 trillion for material product manufacturing and projected to reach up to USD 5.06 trillion by the year 2028. Thus, these aforementioned factors are propelling the growth of the Plasma Cutting Machine Market during the estimated period. Moreover, the rise in adoption of CNC technology and multi-process capabilities, as well as the increasing proliferation of customized metal fabrication present various lucrative opportunities over the forecast years. However, the presence of alternative technologies and stringent regulatory compliance are challenging the market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Plasma Cutting Machine Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 with largest market share owing to the rise in technological advancements, growing investments in infrastructure development projects, and growth in industrial sectors. Whereas, North America is expected to grow with the fastest CAGR over the forecast years. The rising initiatives and a growing emphasis on domestic production are significantly propelling the market demand across the region. Consequently, there is a growing demand for efficient cutting solutions, such as plasma cutting machines, as manufacturers strive to leverage advanced technologies to bolster productivity.

Major market players included in this report are:

St?rmer Maschinen GmbH (Germany)

DAIHEN Corporation (Japan)

ESAB Corporation (U.S.)

Miller Electric Mfg. LLC (U.S.)

KERF DEVELOPMENTS LIMITED (U.K.)

Lincoln Electric (U.S.)

MicroStep Europa (Germany)

Plazmamax (Israel)

Dener Makina (Turkey)

Voortman Steel Machinery (Netherlands)

Recent Developments in the Market:

In December 2023, Diahen Corporation, a prominent manufacturer of cutting and welding products, participated in the International Robot Exhibition 2023 held in Japan, alongside its business partner, Hypertherm A.

In September 2023, ESAB unveiled the Cutmaster, a comprehensive plasma cutting package offering 50+. This product launch has significantly expanded ESAB's range of product portfolios within the market.

In August 2023, ABB Ltd. introduced its next-generation collaborative robot, designed for seamless integration with cutting machines to deliver straightforward and fully automated cutting operations. The introduction of robotic solutions from a reputable manufacturer is expected to heighten customer interest in plasma-cutting technology.

Global Plasma Cutting Machine Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Product Type, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's

working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product Type:

Manual/Handheld

CNC/Automated

By Application:

Industrial Manufacturing

Automotive

Construction

Salvage and Scrapping Operations

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Million)
 - 1.2.1. Plasma Cutting Machine Market, by region, 2020-2030 (USD Million)
 - 1.2.2. Plasma Cutting Machine Market, by Product Type, 2020-2030 (USD Million)
 - 1.2.3. Plasma Cutting Machine Market, by Application, 2020-2030 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL PLASMA CUTTING MACHINE MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL PLASMA CUTTING MACHINE MARKET DYNAMICS

- 3.1. Plasma Cutting Machine Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Supportive government initiatives and policies
 - 3.1.1.2. Rise in global manufacturing activities
 - 3.1.2. Market Challenges
 - 3.1.2.1. Presence of alternative technologies
 - 3.1.2.2. Stringent regulatory compliance
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Rise in adoption of CNC technology and multi-process capabilities
 - 3.1.3.2. Increasing proliferation of customized metal fabrication

CHAPTER 4. GLOBAL PLASMA CUTTING MACHINE MARKET: INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economic
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL PLASMA CUTTING MACHINE MARKET, BY PRODUCT TYPE

- 5.1. Market Snapshot
- 5.2. Global Plasma Cutting Machine Market by Product Type, Performance - Potential Analysis
- 5.3. Global Plasma Cutting Machine Market Estimates & Forecasts by Product Type 2020-2030 (USD Million)
- 5.4. Plasma Cutting Machine Market, Sub Segment Analysis
 - 5.4.1. Manual/Handheld
 - 5.4.2. CNC/Automated

CHAPTER 6. GLOBAL PLASMA CUTTING MACHINE MARKET, BY APPLICATION

- 6.1. Market Snapshot
- 6.2. Global Plasma Cutting Machine Market by Application, Performance - Potential Analysis
- 6.3. Global Plasma Cutting Machine Market Estimates & Forecasts by Application

2020-2030 (USD Million)

6.4. Plasma Cutting Machine Market, Sub Segment Analysis

- 6.4.1. Industrial Manufacturing
- 6.4.2. Automotive
- 6.4.3. Construction
- 6.4.4. Salvage and Scrapping Operations
- 6.4.5. Others

CHAPTER 7. GLOBAL PLASMA CUTTING MACHINE MARKET, REGIONAL ANALYSIS

7.1. Top Leading Countries

7.2. Top Emerging Countries

7.3. Plasma Cutting Machine Market, Regional Market Snapshot

7.4. North America Plasma Cutting Machine Market

7.4.1. U.S. Plasma Cutting Machine Market

7.4.1.1. Product Type breakdown estimates & forecasts, 2020-2030

7.4.1.2. Application breakdown estimates & forecasts, 2020-2030

7.4.2. Canada Plasma Cutting Machine Market

7.5. Europe Plasma Cutting Machine Market Snapshot

7.5.1. U.K. Plasma Cutting Machine Market

7.5.2. Germany Plasma Cutting Machine Market

7.5.3. France Plasma Cutting Machine Market

7.5.4. Spain Plasma Cutting Machine Market

7.5.5. Italy Plasma Cutting Machine Market

7.5.6. Rest of Europe Plasma Cutting Machine Market

7.6. Asia-Pacific Plasma Cutting Machine Market Snapshot

7.6.1. China Plasma Cutting Machine Market

7.6.2. India Plasma Cutting Machine Market

7.6.3. Japan Plasma Cutting Machine Market

7.6.4. Australia Plasma Cutting Machine Market

7.6.5. South Korea Plasma Cutting Machine Market

7.6.6. Rest of Asia Pacific Plasma Cutting Machine Market

7.7. Latin America Plasma Cutting Machine Market Snapshot

7.7.1. Brazil Plasma Cutting Machine Market

7.7.2. Mexico Plasma Cutting Machine Market

7.8. Middle East & Africa Plasma Cutting Machine Market

7.8.1. Saudi Arabia Plasma Cutting Machine Market

7.8.2. South Africa Plasma Cutting Machine Market

7.8.3. Rest of Middle East & Africa Plasma Cutting Machine Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

8.1. Key Company SWOT Analysis

8.1.1. Company

8.1.2. Company

8.1.3. Company

8.2. Top Market Strategies

8.3. Company Profiles

8.3.1. St?rmer Maschinen GmbH (Germany)

8.3.1.1. Key Information

8.3.1.2. Overview

8.3.1.3. Financial (Subject to Data Availability)

8.3.1.4. Product Summary

8.3.1.5. Recent Developments

8.3.2. DAIHEN Corporation (Japan)

8.3.3. ESAB Corporation (U.S.)

8.3.4. Miller Electric Mfg. LLC (U.S.)

8.3.5. KERF DEVELOPMENTS LIMITED (U.K.)

8.3.6. Lincoln Electric (U.S.)

8.3.7. MicroStep Europa (Germany)

8.3.8. Plazmamax (Israel)

8.3.9. Dener Makina (Turkey)

8.3.10. Voortman Steel Machinery (Netherlands)

CHAPTER 9. RESEARCH PROCESS

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.2. Research Attributes

9.3. Research Assumption

List Of Tables

LIST OF TABLES

- TABLE 1. Global Plasma Cutting Machine Market, report scope
- TABLE 2. Global Plasma Cutting Machine Market estimates & forecasts by Region 2020-2030 (USD Million)
- TABLE 3. Global Plasma Cutting Machine Market estimates & forecasts by Product Type 2020-2030 (USD Million)
- TABLE 4. Global Plasma Cutting Machine Market estimates & forecasts by Application 2020-2030 (USD Million)
- TABLE 5. Global Plasma Cutting Machine Market by segment, estimates & forecasts, 2020-2030 (USD Million)
- TABLE 6. Global Plasma Cutting Machine Market by region, estimates & forecasts, 2020-2030 (USD Million)
- TABLE 7. Global Plasma Cutting Machine Market by segment, estimates & forecasts, 2020-2030 (USD Million)
- TABLE 8. Global Plasma Cutting Machine Market by region, estimates & forecasts, 2020-2030 (USD Million)
- TABLE 9. Global Plasma Cutting Machine Market by segment, estimates & forecasts, 2020-2030 (USD Million)
- TABLE 10. Global Plasma Cutting Machine Market by region, estimates & forecasts, 2020-2030 (USD Million)
- TABLE 11. Global Plasma Cutting Machine Market by segment, estimates & forecasts, 2020-2030 (USD Million)
- TABLE 12. Global Plasma Cutting Machine Market by region, estimates & forecasts, 2020-2030 (USD Million)
- TABLE 13. Global Plasma Cutting Machine Market by segment, estimates & forecasts, 2020-2030 (USD Million)
- TABLE 14. Global Plasma Cutting Machine Market by region, estimates & forecasts, 2020-2030 (USD Million)
- TABLE 15. U.S. Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)
- TABLE 16. U.S. Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)
- TABLE 17. U.S. Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)
- TABLE 18. Canada Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)

- TABLE 19. Canada Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)
- TABLE 20. Canada Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)
- TABLE 21. UK Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)
- TABLE 22. UK Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)
- TABLE 23. UK Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)
- TABLE 24. Germany Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)
- TABLE 25. Germany Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)
- TABLE 26. Germany Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)
- TABLE 27. France Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)
- TABLE 28. France Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)
- TABLE 29. France Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)
- TABLE 30. Italy Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)
- TABLE 31. Italy Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)
- TABLE 32. Italy Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)
- TABLE 33. Spain Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)
- TABLE 34. Spain Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)
- TABLE 35. Spain Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)
- TABLE 36. RoE Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)
- TABLE 37. RoE Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)
- TABLE 38. RoE Plasma Cutting Machine Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 39. China Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 40. China Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 41. China Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 42. India Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 43. India Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 44. India Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 45. Japan Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 46. Japan Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 47. Japan Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 48. South Korea Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 49. South Korea Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 50. South Korea Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 51. Australia Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 52. Australia Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 53. Australia Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 54. RoAPAC Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 55. RoAPAC Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 56. RoAPAC Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 57. Brazil Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 58. Brazil Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 59. Brazil Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 60. Mexico Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 61. Mexico Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 62. Mexico Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 63. RoLA Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 64. RoLA Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 65. RoLA Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 66. Saudi Arabia Plasma Cutting Machine Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 67. South Africa Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 68. RoMEA Plasma Cutting Machine Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 69. List of secondary sources, used in the study of global Plasma Cutting Machine Market

TABLE 70. List of primary sources, used in the study of global Plasma Cutting Machine Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Plasma Cutting Machine Market, research methodology
- FIG 2. Global Plasma Cutting Machine Market, Market estimation techniques
- FIG 3. Global Market size estimates & forecast methods
- FIG 4. Global Plasma Cutting Machine Market, key trends 2022
- FIG 5. Global Plasma Cutting Machine Market, growth prospects 2023-2030
- FIG 6. Global Plasma Cutting Machine Market, porters 5 force model
- FIG 7. Global Plasma Cutting Machine Market, pest analysis
- FIG 8. Global Plasma Cutting Machine Market, value chain analysis
- FIG 9. Global Plasma Cutting Machine Market by segment, 2020 & 2030 (USD Million)
- FIG 10. Global Plasma Cutting Machine Market by segment, 2020 & 2030 (USD Million)
- FIG 11. Global Plasma Cutting Machine Market by segment, 2020 & 2030 (USD Million)
- FIG 12. Global Plasma Cutting Machine Market by segment, 2020 & 2030 (USD Million)
- FIG 13. Global Plasma Cutting Machine Market by segment, 2020 & 2030 (USD Million)
- FIG 14. Global Plasma Cutting Machine Market, regional snapshot 2020 & 2030
- FIG 15. North America Plasma Cutting Machine Market 2020 & 2030 (USD Million)
- FIG 16. Europe Plasma Cutting Machine Market 2020 & 2030 (USD Million)
- FIG 17. Asia pacific Plasma Cutting Machine Market 2020 & 2030 (USD Million)
- FIG 18. Latin America Plasma Cutting Machine Market 2020 & 2030 (USD Million)
- FIG 19. Middle East & Africa Plasma Cutting Machine Market 2020 & 2030 (USD Million)

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