

Global Thermal Spray Equipment Market Size study & Forecast, by Product Type (Thermal Spray Coating Systems, Dust Collection Equipment, Spray Guns and Nozzles, Feeder Equipment, Spare Parts, Others), by Process (Combustion, Electric Energy), by End User (Aerospace, Industrial Gas Turbines, Automotive, Electronics, Oil and Gas, Others), and Regional Analysis, 2023-2030

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Abstracts

Global Thermal Spray Equipment Market is valued at approximately USD 374.24 million in 2022 and is anticipated to grow with a healthy growth rate of more than 5.11% over the forecast period 2023-2030. Thermal spray equipment encompasses various tools and devices utilized in thermal spraying, which is a coating method involving the heating and projection of powdered material onto a surface to form a protective or functional coating. This equipment typically involves a heat source such as a flame or electric arc, a spray gun or nozzle, and a system for supplying and propelling the coating material. The market is expected to grow due to the rising demand for lightweight materials in the automotive and aerospace sectors. Additionally, the energy and power industry's need for corrosion and wear-resistant coatings contributes to this growth. Furthermore, the electronics industry's demand for thermal spray coatings is another driving factor for market expansion.

The aerospace industry is anticipated to experience significant growth in the demand for thermal spray equipment during the forecast period. According to the International Air Transport Association (IATA) in 2022, the commercial airline industry's global revenue amounted to USD 373 billion in 2020. It witnessed substantial growth, estimated at

26.7% year-on-year, reaching USD 472 billion in 2021. The projected revenue for 2022 was expected to reach USD 658 billion. Additionally, increasing demand for thermal spray equipment in the medical devices industry and technological advancements is expected to create significant opportunities for market growth. However, issues regarding process reliability and consistency stifling market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Thermal Spray Equipment Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 owing to China's aerospace and automotive manufacturing sectors witnessing robust growth, aligning with the country's overall economic expansion. According to the International Organization of Motor Vehicle Manufacturers (OICA) in 2022, witnessed a 3% growth in vehicle production. In 2021, the country manufactured 26.08 million units, compared to 25.23 million units in the previous year. North America is expected to grow at fastest growth rate during the forecast period, owing to strong demand from major industries such as aerospace, oil & gas, automotive, medical, and power generation. Additionally, government funding in the U.S. and Canada for innovative coating projects serves as a catalyst for market growth.

Major market player included in this report are:

Air Products and Chemicals Inc.

Lincotek Equipment S.p.A.

Arzell Inc.

ASB Industries Inc.

Bay State Surface Technologies Inc.

Camfil Air Pollution Control

Castolin Eutectic

Donaldson Company Inc.

Flame Spray Technologies BV

Thermion

Recent Developments in the Market:

In December 2021, Flame Spray Technologies BV presented its innovative rGun, a rotating plasma gun thermal spray device, this gun enhances the capabilities of a regular plasma gun by allowing the connected plasma gun to rotate continuously throughout the spray operation.

Global Thermal Spray Equipment 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, Process, End User, 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:

Thermal Spray Coating Systems

Dust Collection Equipment

Spray Guns and Nozzles

Feeder Equipment

Spare Parts

Noise-reducing Enclosures

Others

By Process:

Combustion

Electric Energy

By End User:

Aerospace

Industrial Gas Turbines

Automotive

Electronics

Oil and Gas

Medical Devices

Energy and Power
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. Thermal Spray Equipment Market, by Region, 2020-2030 (USD Million)
 - 1.2.2. Thermal Spray Equipment Market, by Product Type, 2020-2030 (USD Million)
 - 1.2.3. Thermal Spray Equipment Market, by Process, 2020-2030 (USD Million)
 - 1.2.4. Thermal Spray Equipment Market, by End User, 2020-2030 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL THERMAL SPRAY EQUIPMENT 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 THERMAL SPRAY EQUIPMENT MARKET DYNAMICS

- 3.1. Thermal Spray Equipment Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing Rising Application in Aerospace Industry
 - 3.1.1.2. Rising Popularity of Thermal Spray Ceramic Coatings
 - 3.1.1.3. Evolution in Power Generation Sector
 - 3.1.2. Market Challenges
 - 3.1.2.1. Issues Regarding Process Reliability and Consistency
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Advancements in medical devices industry
 - 3.1.3.2. Technology advancements in thermal spray equipment

CHAPTER 4. GLOBAL THERMAL SPRAY EQUIPMENT 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. Economical
 - 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 THERMAL SPRAY EQUIPMENT MARKET, BY PRODUCT TYPE

- 5.1. Market Snapshot
- 5.2. Global Thermal Spray Equipment Market by Product Type, Performance - Potential Analysis
- 5.3. Global Thermal Spray Equipment Market Estimates & Forecasts by Product Type 2020-2030 (USD Million)
- 5.4. Thermal Spray Equipment Market, Sub Segment Analysis
 - 5.4.1. Thermal Spray Coating Systems
 - 5.4.2. Dust Collection Equipment
 - 5.4.3. Spray Guns and Nozzles
 - 5.4.4. Feeder Equipment
 - 5.4.5. Spare Parts
 - 5.4.6. Noise-reducing Enclosures
 - 5.4.7. Others

CHAPTER 6. GLOBAL THERMAL SPRAY EQUIPMENT MARKET, BY PROCESS

- 6.1. Market Snapshot
- 6.2. Global Thermal Spray Equipment Market by Process, Performance - Potential Analysis
- 6.3. Global Thermal Spray Equipment Market Estimates & Forecasts by Process 2020-2030 (USD Million)
- 6.4. Thermal Spray Equipment Market, Sub Segment Analysis
 - 6.4.1. Combustion
 - 6.4.2. Electric Energy

CHAPTER 7. GLOBAL THERMAL SPRAY EQUIPMENT MARKET, BY END USER

- 7.1. Market Snapshot
- 7.2. Global Thermal Spray Equipment Market by End User, Performance - Potential Analysis
- 7.3. Global Thermal Spray Equipment Market Estimates & Forecasts by End User 2020-2030 (USD Million)
- 7.4. Thermal Spray Equipment Market, Sub Segment Analysis
 - 7.4.1. Aerospace
 - 7.4.2. Industrial Gas Turbines
 - 7.4.3. Automotive
 - 7.4.4. Electronics
 - 7.4.5. Oil and Gas
 - 7.4.6. Medical Devices
 - 7.4.7. Energy and Power
 - 7.4.8. Others

CHAPTER 8. GLOBAL THERMAL SPRAY EQUIPMENT MARKET, REGIONAL ANALYSIS

- 8.1. Top Leading Countries
- 8.2. Top Emerging Countries
- 8.3. Thermal Spray Equipment Market, Regional Market Snapshot
- 8.4. North America Thermal Spray Equipment Market
 - 8.4.1. U.S. Thermal Spray Equipment Market
 - 8.4.1.1. Product Type breakdown estimates & forecasts, 2020-2030
 - 8.4.1.2. Process breakdown estimates & forecasts, 2020-2030
 - 8.4.1.3. End User breakdown estimates & forecasts, 2020-2030

- 8.4.2. Canada Thermal Spray Equipment Market
- 8.5. Europe Thermal Spray Equipment Market Snapshot
 - 8.5.1. U.K. Thermal Spray Equipment Market
 - 8.5.2. Germany Thermal Spray Equipment Market
 - 8.5.3. France Thermal Spray Equipment Market
 - 8.5.4. Spain Thermal Spray Equipment Market
 - 8.5.5. Italy Thermal Spray Equipment Market
 - 8.5.6. Rest of Europe Thermal Spray Equipment Market
- 8.6. Asia-Pacific Thermal Spray Equipment Market Snapshot
 - 8.6.1. China Thermal Spray Equipment Market
 - 8.6.2. India Thermal Spray Equipment Market
 - 8.6.3. Japan Thermal Spray Equipment Market
 - 8.6.4. Australia Thermal Spray Equipment Market
 - 8.6.5. South Korea Thermal Spray Equipment Market
 - 8.6.6. Rest of Asia Pacific Thermal Spray Equipment Market
- 8.7. Latin America Thermal Spray Equipment Market Snapshot
 - 8.7.1. Brazil Thermal Spray Equipment Market
 - 8.7.2. Mexico Thermal Spray Equipment Market
- 8.8. Middle East & Africa Thermal Spray Equipment Market
 - 8.8.1. Saudi Arabia Thermal Spray Equipment Market
 - 8.8.2. South Africa Thermal Spray Equipment Market
 - 8.8.3. Rest of Middle East & Africa Thermal Spray Equipment Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Key Company SWOT Analysis
 - 9.1.1. Company
 - 9.1.2. Company
 - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
 - 9.3.1. Air Products and Chemicals Inc.
 - 9.3.1.1. Key Information
 - 9.3.1.2. Overview
 - 9.3.1.3. Financial (Subject to Data Availability)
 - 9.3.1.4. Product Summary
 - 9.3.1.5. Recent Developments
 - 9.3.2. Lincotek Equipment S.p.A.
 - 9.3.3. Arzell Inc.

- 9.3.4. ASB Industries Inc.
- 9.3.5. Bay State Surface Technologies Inc.
- 9.3.6. Camfil Air Pollution Control
- 9.3.7. Castolin Eutectic
- 9.3.8. Donaldson Company Inc.
- 9.3.9. Flame Spray Technologies BV
- 9.3.10. Thermion

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Thermal Spray Equipment Market, report scope

TABLE 2. Global Thermal Spray Equipment Market estimates & forecasts by Region 2020-2030 (USD Million)

TABLE 3. Global Thermal Spray Equipment Market estimates & forecasts by Product Type 2020-2030 (USD Million)

TABLE 4. Global Thermal Spray Equipment Market estimates & forecasts by Process 2020-2030 (USD Million)

TABLE 5. Global Thermal Spray Equipment Market estimates & forecasts by End User 2020-2030 (USD Million)

TABLE 6. Global Thermal Spray Equipment Market by segment, estimates & forecasts, 2020-2030 (USD Million)

TABLE 7. Global Thermal Spray Equipment Market by region, estimates & forecasts, 2020-2030 (USD Million)

TABLE 8. Global Thermal Spray Equipment Market by segment, estimates & forecasts, 2020-2030 (USD Million)

TABLE 9. Global Thermal Spray Equipment Market by region, estimates & forecasts, 2020-2030 (USD Million)

TABLE 10. Global Thermal Spray Equipment Market by segment, estimates & forecasts, 2020-2030 (USD Million)

TABLE 11. Global Thermal Spray Equipment Market by region, estimates & forecasts, 2020-2030 (USD Million)

TABLE 12. Global Thermal Spray Equipment Market by segment, estimates & forecasts, 2020-2030 (USD Million)

TABLE 13. Global Thermal Spray Equipment Market by region, estimates & forecasts, 2020-2030 (USD Million)

TABLE 14. Global Thermal Spray Equipment Market by segment, estimates & forecasts, 2020-2030 (USD Million)

TABLE 15. Global Thermal Spray Equipment Market by region, estimates & forecasts, 2020-2030 (USD Million)

TABLE 16. U.S. Thermal Spray Equipment Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 17. U.S. Thermal Spray Equipment Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 18. U.S. Thermal Spray Equipment Market estimates & forecasts by segment 2020-2030 (USD Million)

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

2020-2030 (USD Million)

TABLE 39. RoE Thermal Spray Equipment Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 40. China Thermal Spray Equipment Market estimates & forecasts, 2020-2030

(USD Million)

TABLE 41. China Thermal Spray Equipment Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 42. China Thermal Spray Equipment Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 43. India Thermal Spray Equipment Market estimates & forecasts, 2020-2030

(USD Million)

TABLE 44. India Thermal Spray Equipment Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 45. India Thermal Spray Equipment Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 46. Japan Thermal Spray Equipment Market estimates & forecasts, 2020-2030

(USD Million)

TABLE 47. Japan Thermal Spray Equipment Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 48. Japan Thermal Spray Equipment Market estimates & forecasts by segment

2020-2030 (USD Million)

TABLE 49. South Korea Thermal Spray Equipment Market estimates & forecasts,

2020-2030 (USD Million)

TABLE 50. South Korea Thermal Spray Equipment Market estimates & forecasts by
segment 2020-2030 (USD Million)

TABLE 51. South Korea Thermal Spray Equipment Market estimates & forecasts by
segment 2020-2030 (USD Million)

TABLE 52. Australia Thermal Spray Equipment Market estimates & forecasts,
2020-2030 (USD Million)

TABLE 53. Australia Thermal Spray Equipment Market estimates & forecasts by
segment 2020-2030 (USD Million)

TABLE 54. Australia Thermal Spray Equipment Market estimates & forecasts by
segment 2020-2030 (USD Million)

TABLE 55. RoAPAC Thermal Spray Equipment Market estimates & forecasts,
2020-2030 (USD Million)

TABLE 56. RoAPAC Thermal Spray Equipment Market estimates & forecasts by
segment 2020-2030 (USD Million)

TABLE 57. RoAPAC Thermal Spray Equipment Market estimates & forecasts by
segment 2020-2030 (USD Million)

TABLE 58. Brazil Thermal Spray Equipment Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 59. Brazil Thermal Spray Equipment Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 60. Brazil Thermal Spray Equipment Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 61. Mexico Thermal Spray Equipment Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 62. Mexico Thermal Spray Equipment Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 63. Mexico Thermal Spray Equipment Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 64. RoLA Thermal Spray Equipment Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 65. RoLA Thermal Spray Equipment Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 66. RoLA Thermal Spray Equipment Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 67. Saudi Arabia Thermal Spray Equipment Market estimates & forecasts, 2020-2030 (USD Million)

TABLE 68. South Africa Thermal Spray Equipment Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 69. RoMEA Thermal Spray Equipment Market estimates & forecasts by segment 2020-2030 (USD Million)

TABLE 70. List of secondary sources, used in the study of global Thermal Spray Equipment Market

TABLE 71. List of primary sources, used in the study of global Thermal Spray Equipment Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

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

List Of Figures

LIST OF FIGURES

- FIG 1. Global Thermal Spray Equipment Market, research methodology
 - FIG 2. Global Thermal Spray Equipment Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Thermal Spray Equipment Market, key trends 2022
 - FIG 5. Global Thermal Spray Equipment Market, growth prospects 2023-2030
 - FIG 6. Global Thermal Spray Equipment Market, porters 5 force model
 - FIG 7. Global Thermal Spray Equipment Market, pest analysis
 - FIG 8. Global Thermal Spray Equipment Market, value chain analysis
 - FIG 9. Global Thermal Spray Equipment Market by segment, 2020 & 2030 (USD Million)
 - FIG 10. Global Thermal Spray Equipment Market by segment, 2020 & 2030 (USD Million)
 - FIG 11. Global Thermal Spray Equipment Market by segment, 2020 & 2030 (USD Million)
 - FIG 12. Global Thermal Spray Equipment Market by segment, 2020 & 2030 (USD Million)
 - FIG 13. Global Thermal Spray Equipment Market by segment, 2020 & 2030 (USD Million)
 - FIG 14. Global Thermal Spray Equipment Market, regional snapshot 2020 & 2030
 - FIG 15. North America Thermal Spray Equipment Market 2020 & 2030 (USD Million)
 - FIG 16. Europe Thermal Spray Equipment Market 2020 & 2030 (USD Million)
 - FIG 17. Asia pacific Thermal Spray Equipment Market 2020 & 2030 (USD Million)
 - FIG 18. Latin America Thermal Spray Equipment Market 2020 & 2030 (USD Million)
 - FIG 19. Middle East & Africa Thermal Spray Equipment Market 2020 & 2030 (USD Million)
- List of tables and figures are dummy in nature, final lists may vary in the final deliverable

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