

Global Cold Spray Technology Market Size study & Forecast, by Material (Nickel, Copper, Aluminum, Titanium, Magnesium, Others) by Service (Cold Spray Additive Manufacturing, Cold Spray Coatings), by End-use (Aerospace, Automotive, Defense, Electrical & Electronics, Utility, Others) and Regional Analysis, 2022-2029

<https://marketpublishers.com/r/G6E5BFAF5F19EN.html>

Date: April 2023

Pages: 200

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

ID: G6E5BFAF5F19EN

Abstracts

Global Cold Spray Technology Market is valued at approximately USD 1.0 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 6.4% over the forecast period 2022-2029. Cold Spray Technology is a coating technology where finer metal particles are deposited to create a coating on the substrate. These particles may also oxidize and decompose during the process. Either a single coat or many layers can be created by this process of cold spray technology. The cold spray technology enhances thermal stability and corrosion resistance of materials for a longer period. It also provides safety and protection against harsh temperatures, extreme environments and increases the lifespan of components. Additionally, the growing aerospace industry and rising demand for cold spray technology are driving the market demand.

The growing Aerospace industry drives the market demand of cold spray technology as it is used to repair lightweight alloys in aerospace. According to Aerospace Industries Association the aerospace and defense industry is witnessing growth with a CAGR of 2.1% and the total market in 2021 accounted to be USD 892 Billion. Growth of 11.2% was recorded in aerospace and defense industry between 2020 and 2021. The rising demand in the electrical & electronics industry is another factor driving the market for this technology. This technology is used in the growing electronic industry to coat electrical components for longer corrosion resistance. Several mergers and launches by

manufacturers are boosting the demand. For instance, Titomic Ltd. launched the D623 medium-pressure CSAM machine in November 2022 which can deposit harder metals. Moreover, advancements in formulation and adoption of this technology in various industries are fueling the market demand. However, the negative impact of COVID-19 on various industries affected the demand for cold spray technology and stifled market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Cold Spray Technology Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market for cold spray technology due to growing aerospace & defense, automotive and electrical & electronic industries. The continuous research and development in the application of cold spray technology is also boosting the market demand in this region. Initiatives by the government and major key market players of this region are projected to drive the demand over the forecast period. Asia-Pacific is anticipated to be the fastest-growing region due to the presence of developing infrastructure and facilities. Growth opportunities offered by highly emerging electronic companies in the region is expected to drive the market demand.

Major market player included in this report are:

Hannecard Roller Coatings, Inc - ASB Industries

Bodycote plc

Flame Spray Technologies

Titomic Ltd.

Impact Innovations GmbH

Concurrent Technologies Corp.

Plasma Giken Co., Ltd.

WWG Engineering Pte Ltd

Effusiontech Pty. Ltd. (SPEE3D)

Praxair S.T. Technology, Inc

Recent Developments in the Market:

In August 2022, the limitation of Cold spray additive manufacturing was resolved by Impact Innovations by using copper as a model material.

In July 2022, a comprehensive joint venture was signed by Titomic Ltd. and Repkon machine and tool industry and trade Inc. to launch the world's first hybrid cold spray facility. They also developed flow-forming additive for supplying barrels in the defense sector.

Global Cold Spray Technology Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

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

Segments Covered Material, Service, End-use, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

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 Material offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Material:

Nickel

Copper

Aluminum

Titanium

Magnesium

Others

By Service:

Cold Spray Additive Manufacturing

Cold Spray Coatings

By End-use:

Aerospace

Automotive

Defense

Electrical & Electronics

Utility

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

Rest of the World

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
 - 1.2.1. Cold Spray Technology Market, by Region, 2019-2029 (USD Billion)
 - 1.2.2. Cold Spray Technology Market, by Material, 2019-2029 (USD Billion)
 - 1.2.3. Cold Spray Technology Market, by Service, 2019-2029 (USD Billion)
 - 1.2.4. Cold Spray Technology Market, by End-use, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL COLD SPRAY TECHNOLOGY MARKET DEFINITION AND SCOPE

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

CHAPTER 3. GLOBAL COLD SPRAY TECHNOLOGY MARKET DYNAMICS

- 3.1. Cold Spray Technology Market Impact Analysis (2019-2029)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Growing Aerospace Industry.
 - 3.1.1.2. High demand in electrical & electronics industry.
 - 3.1.2. Market Challenges
 - 3.1.2.1. Negative Impact of COVID-19.
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Advancements in Formulation.
 - 3.1.3.2. Adoption of technology in various industries.

CHAPTER 4. GLOBAL COLD SPRAY TECHNOLOGY 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. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
- 4.4. Investment Adoption Model
- 4.5. Analyst Recommendation & Conclusion
- 4.6. Top investment opportunity
- 4.7. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL COLD SPRAY TECHNOLOGY MARKET, BY MATERIAL

- 6.1. Market Snapshot
- 6.2. Global Cold Spray Technology Market by Material, Performance - Potential Analysis
- 6.3. Global Cold Spray Technology Market Estimates & Forecasts by Material 2019-2029 (USD Billion)
- 6.4. Cold Spray Technology Market, Sub Segment Analysis
 - 6.4.1. Nickel
 - 6.4.2. Copper
 - 6.4.3. Aluminum
 - 6.4.4. Titanium
 - 6.4.5. Magnesium
 - 6.4.6. Others

CHAPTER 7. GLOBAL COLD SPRAY TECHNOLOGY MARKET, BY SERVICE

- 7.1. Market Snapshot
- 7.2. Global Cold Spray Technology Market by Service, Performance - Potential Analysis
- 7.3. Global Cold Spray Technology Market Estimates & Forecasts by Service 2019-2029 (USD Billion)
- 7.4. Cold Spray Technology Market, Sub Segment Analysis
 - 7.4.1. Cold Spray Additive Manufacturing
 - 7.4.2. Cold Spray Coatings

CHAPTER 8. GLOBAL COLD SPRAY TECHNOLOGY MARKET, BY END-USE

- 8.1. Market Snapshot
- 8.2. Global Cold Spray Technology Market by End-use, Performance - Potential Analysis
- 8.3. Global Cold Spray Technology Market Estimates & Forecasts by End-use 2019-2029 (USD Billion)
- 8.4. Cold Spray Technology Market, Sub Segment Analysis
 - 8.4.1. Aerospace
 - 8.4.2. Automotive
 - 8.4.3. Defense
 - 8.4.4. Electrical & Electronics
 - 8.4.5. Utility
 - 8.4.6. Others

CHAPTER 9. GLOBAL COLD SPRAY TECHNOLOGY MARKET, REGIONAL ANALYSIS

- 9.1. Cold Spray Technology Market, Regional Market Snapshot
- 9.2. North America Cold Spray Technology Market
 - 9.2.1. U.S. Cold Spray Technology Market
 - 9.2.1.1. Material breakdown estimates & forecasts, 2019-2029
 - 9.2.1.2. Service breakdown estimates & forecasts, 2019-2029
 - 9.2.1.3. End-use breakdown estimates & forecasts, 2019-2029
 - 9.2.2. Canada Cold Spray Technology Market
- 9.3. Europe Cold Spray Technology Market Snapshot
 - 9.3.1. U.K. Cold Spray Technology Market
 - 9.3.2. Germany Cold Spray Technology Market
 - 9.3.3. France Cold Spray Technology Market
 - 9.3.4. Spain Cold Spray Technology Market
 - 9.3.5. Italy Cold Spray Technology Market

- 9.3.6. Rest of Europe Cold Spray Technology Market
- 9.4. Asia-Pacific Cold Spray Technology Market Snapshot
 - 9.4.1. China Cold Spray Technology Market
 - 9.4.2. India Cold Spray Technology Market
 - 9.4.3. Japan Cold Spray Technology Market
 - 9.4.4. Australia Cold Spray Technology Market
 - 9.4.5. South Korea Cold Spray Technology Market
 - 9.4.6. Rest of Asia Pacific Cold Spray Technology Market
- 9.5. Latin America Cold Spray Technology Market Snapshot
 - 9.5.1. Brazil Cold Spray Technology Market
 - 9.5.2. Mexico Cold Spray Technology Market
- 9.6. Rest of The World Cold Spray Technology Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Top Market Strategies
- 10.2. Company Profiles
 - 10.2.1. Hannecard Roller Coatings, Inc - ASB Industries
 - 10.2.1.1. Key Information
 - 10.2.1.2. Overview
 - 10.2.1.3. Financial (Subject to Data Availability)
 - 10.2.1.4. Product Summary
 - 10.2.1.5. Recent Developments
 - 10.2.2. Bodycote plc
 - 10.2.3. Flame Spray Technologies
 - 10.2.4. Titomic Ltd.
 - 10.2.5. Impact Innovations GmbH
 - 10.2.6. Concurrent Technologies Corp.
 - 10.2.7. Plasma Giken Co., Ltd.
 - 10.2.8. WWG Engineering Pte Ltd
 - 10.2.9. Effusiontech Pty. Ltd. (SPEE3D)
 - 10.2.10. Praxair S.T. Technology, Inc

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process
 - 11.1.1. Data Mining
 - 11.1.2. Analysis
 - 11.1.3. Market Estimation

- 11.1.4. Validation
- 11.1.5. Publishing
- 11.2. Research Attributes
- 11.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Cold Spray Technology Market, report scope

TABLE 2. Global Cold Spray Technology Market estimates & forecasts by Region 2019-2029 (USD Billion)

TABLE 3. Global Cold Spray Technology Market estimates & forecasts byMaterial2019-2029 (USD Billion)

TABLE 4. Global Cold Spray Technology Market estimates & forecasts by Service2019-2029 (USD Billion)

TABLE 5. Global Cold Spray Technology Market estimates & forecasts by End-use2019-2029 (USD Billion)

TABLE 6. Global Cold Spray Technology Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 7. Global Cold Spray Technology Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 8. Global Cold Spray Technology Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 9. Global Cold Spray Technology Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 10. Global Cold Spray Technology Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 11. Global Cold Spray Technology Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 12. Global Cold Spray Technology Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 13. Global Cold Spray Technology Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 14. Global Cold Spray Technology Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 15. Global Cold Spray Technology Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 16. U.S. Cold Spray Technology Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 17. U.S. Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 18. U.S. Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 19. Canada Cold Spray Technology Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 20. Canada Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 21. Canada Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 22. UK Cold Spray Technology Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 23. UK Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 24. UK Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 25. Germany Cold Spray Technology Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 26. Germany Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 27. Germany Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 28. France Cold Spray Technology Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 29. France Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 30. France Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 31. Italy Cold Spray Technology Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 32. Italy Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 33. Italy Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 34. Spain Cold Spray Technology Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 35. Spain Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 36. Spain Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 37. RoE Cold Spray Technology Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 38. RoE Cold Spray Technology Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 39. RoE Cold Spray Technology Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 40. China Cold Spray Technology Market estimates & forecasts, 2019-2029

(USD Billion)

TABLE 41. China Cold Spray Technology Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 42. China Cold Spray Technology Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 43. India Cold Spray Technology Market estimates & forecasts, 2019-2029

(USD Billion)

TABLE 44. India Cold Spray Technology Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 45. India Cold Spray Technology Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 46. Japan Cold Spray Technology Market estimates & forecasts, 2019-2029

(USD Billion)

TABLE 47. Japan Cold Spray Technology Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 48. Japan Cold Spray Technology Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 49. South Korea Cold Spray Technology Market estimates & forecasts,

2019-2029 (USD Billion)

TABLE 50. South Korea Cold Spray Technology Market estimates & forecasts by
segment 2019-2029 (USD Billion)

TABLE 51. South Korea Cold Spray Technology Market estimates & forecasts by
segment 2019-2029 (USD Billion)

TABLE 52. Australia Cold Spray Technology Market estimates & forecasts, 2019-2029
(USD Billion)

TABLE 53. Australia Cold Spray Technology Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 54. Australia Cold Spray Technology Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 55. RoAPAC Cold Spray Technology Market estimates & forecasts, 2019-2029
(USD Billion)

TABLE 56. RoAPAC Cold Spray Technology Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 57. RoAPAC Cold Spray Technology Market estimates & forecasts by segment
2019-2029 (USD Billion)

TABLE 58. Brazil Cold Spray Technology Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 59. Brazil Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 60. Brazil Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 61. Mexico Cold Spray Technology Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 62. Mexico Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 63. Mexico Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 64. RoLA Cold Spray Technology Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 65. RoLA Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 66. RoLA Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 67. Row Cold Spray Technology Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 68. Row Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 69. Row Cold Spray Technology Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 70. List of secondary sources, used in the study of global Cold Spray Technology Market

TABLE 71. List of primary sources, used in the study of global Cold Spray Technology Market

TABLE 72. Years considered for the study

TABLE 73. 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 Cold Spray Technology Market, research methodology
 - FIG 2. Global Cold Spray Technology Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Cold Spray Technology Market, key trends 2021
 - FIG 5. Global Cold Spray Technology Market, growth prospects 2022-2029
 - FIG 6. Global Cold Spray Technology Market, porters 5 force model
 - FIG 7. Global Cold Spray Technology Market, pest analysis
 - FIG 8. Global Cold Spray Technology Market, value chain analysis
 - FIG 9. Global Cold Spray Technology Market by segment, 2019 & 2029 (USD Billion)
 - FIG 10. Global Cold Spray Technology Market by segment, 2019 & 2029 (USD Billion)
 - FIG 11. Global Cold Spray Technology Market by segment, 2019 & 2029 (USD Billion)
 - FIG 12. Global Cold Spray Technology Market by segment, 2019 & 2029 (USD Billion)
 - FIG 13. Global Cold Spray Technology Market by segment, 2019 & 2029 (USD Billion)
 - FIG 14. Global Cold Spray Technology Market, regional snapshot 2019 & 2029
 - FIG 15. North America Cold Spray Technology Market 2019 & 2029 (USD Billion)
 - FIG 16. Europe Cold Spray Technology Market 2019 & 2029 (USD Billion)
 - FIG 17. Asia pacific Cold Spray Technology Market 2019 & 2029 (USD Billion)
 - FIG 18. Latin America Cold Spray Technology Market 2019 & 2029 (USD Billion)
 - FIG 19. Global Cold Spray Technology Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

I would like to order

Product name: Global Cold Spray Technology Market Size study & Forecast, by Material (Nickel, Copper, Aluminum, Titanium, Magnesium, Others) by Service (Cold Spray Additive Manufacturing, Cold Spray Coatings), by End-use (Aerospace, Automotive, Defense, Electrical & Electronics, Utility, Others) and Regional Analysis, 2022-2029

Product link: <https://marketpublishers.com/r/G6E5BFAF5F19EN.html>

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

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G6E5BFAF5F19EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970