

# **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

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South Africa  
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