

# **Thermal Spray Coating Market by Material (Ceramics, Metal & Alloys and Other), Process (Flame Spraying, Arc Spraying, Plasma Spraying, HVOF and Others) and End-Use Industry (Automotive, Aerospace, Industrial and Others): Opportunity Analysis and Industry Forecast, 2020–2027**

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## **Abstracts**

The global thermal spray coating market was valued at \$8.0 billion in 2019, and is projected to reach \$12.7 billion by 2027, growing at a CAGR of 5.9% from 2020 to 2027. Thermal spray coating is a coating process that utilizes powder coating material to coat a surface. The powder coating material is melted into droplets and sprayed onto a surface at a high velocity.

The thermal spray coating is applied to metal substrates and the process is known by a different name that includes spray welding, plasma spray, High-Velocity Oxygen Fuel (HVOF), and flame spray. Thermal spray coating technology is used on a vast range of components of rotating and moving parts of machines such as automobile engines, aerospace turbine, and machine tools, which operate in adverse environments, where erosion, wear, corrosion, or heat leads to decrease in component life.

The growing automotive, aerospace, and heavy machinery industries and military & civil airliner has led to increase in usage of thermal spray coating technology. Thermal spray coating is used to coat piston and synchronizer rings in automotive applications. Similarly, thermal spray coating is also used in aerospace application to coat engine turbine blades and protect it from extreme temperatures, as well as ensure increased reliability for extended periods of time. These coatings are replacing hard chromium plating as the preferred coating method to offer improved performance. This factor is

anticipated to drive the growth of the thermal spray coating market.

The global thermal spray coating market is segmented on the basis of material, process, end-use industry, and region. Based on material, the global market is segmented into ceramics, metal & alloys, and other materials. Based on process, the global thermal spray coating market is classified into flame spraying, arc spraying, plasma spraying, HVOF, and others. On the basis of end-use industry, the market is divided into automotive, aerospace, industrial, and others. Based on region, the market is analyzed across North America, Asia-Pacific, Europe, and LAMEA.

The major key players operating in the thermal spray coating market include 3M, A&A Thermal Spray Coatings, Inc., APS Materials, Inc., CoorsTek, Inc., Dupont De Nemours, Inc., Integrated Global Services, Inc., KCC Corporation (KCC), Linde Plc, and Morgan Advanced Materials plc. Other players operating in this market include Fosbel, Keronite Group, Oerlikon Metco, and Swain Tech Coatings. These major key players are adopting different strategies such as acquisition, business expansion, and collaboration to stay competitive in the global market.

#### Key benefits for stakeholders

The report provides extensive qualitative and quantitative analyses of the current thermal spray coating market trends and future estimations of the market from 2019 to 2027 to determine the prevailing opportunities.

Comprehensive analysis of factors that drive and restrict the thermal spray coating market growth is provided.

Estimations and forecast are based on factors impacting the market growth, in terms of both value and volume.

Profiles of leading players operating in the global thermal spray coating market analysis are provided, and this helps in understanding the competitive scenario globally.

The report provides extensive qualitative insights on the significant segments and regions exhibiting favorable market growth.

The global thermal spray coating market forecast is done from 2020 to 2027.

## KEY MARKET SEGMENTS

### By Material

Ceramics

Metal & Alloys

Others

### By Process

Flame Spraying

Arc Spraying

Plasma Spraying

HVOF

Others

### By End use Industry

Automotive

Aerospace

Industrial

Others

## By Region

### North America

U.S.

Canada

Mexico

### Europe

Germany

France

Russia

Spain

Italy

UK

Rest of Europe

### Asia-Pacific

China

Japan

South Korea

Thailand

India

Rest of Asia-Pacific

## LAMEA

Brazil

Turkey

South Africa

Rest of LAMEA

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