

Global Powder Surface Modification Machine Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Powder Surface Modification Machine market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Powder surface modification machine is a kind of equipment specially used for surface modification of powder materials. It improves the performance of powder materials, such as fluidity, dispersibility, oil absorption, etc., through specific process means. There are two working principles, namely mechanical force modification and airflow modification. Mechanical force modification mainly achieves the modification of powder surface by mixing powder materials with modifiers at a certain temperature and pressure through high-speed rotation or vibration. This method can effectively break up powder agglomeration and improve the dispersion and uniformity of powder. Airflow modification realizes powder surface treatment by adopting the working principle of mutual collision, friction and shear between powder particles and modification additives. After the powder enters the modification chamber, the high-speed rotation of the deagglomeration wheel generates a strong wind flow to drive the powder to rotate, and then a strong vortex is formed by controlling the wind pressure and wind speed, generating strong shear force, friction force and centrifugal force, deagglomerating and breaking up the material, and colliding and rubbing with the atomized modifier to form a wrapping film.

This report is a detailed and comprehensive analysis for global Powder Surface Modification Machine market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Powder Surface Modification Machine market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Powder Surface Modification Machine market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Powder Surface Modification Machine market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Powder Surface Modification Machine market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Powder Surface Modification Machine
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Powder Surface Modification Machine market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Dongguan Vsunny Machinery, Zhengyuan Powder Engineering, Shanghai Kelirik Machinery, Shandong Huate Magnet Technology, Zhangjiagang Tongsha Plastic Machinery, Shandong ALPA Powder Technology, Qingdao EPIC Powder Machinery, Genau (Shanghai) Industrial

Equipment, SBM Micropowder Technology, Fraunhofer IFAM, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Powder Surface Modification Machine market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Continuous Powder Surface Modification Machine

Intermittent Powder Surface Modification Machine

Compound Powder Surface Modification Machine

Market segment by Application

Chemical Industry

Metallurgy and Materials Science

Food

Pharmaceuticals

Others

Major players covered

Dongguan Vsunny Machinery

Zhengyuan Powder Engineering

Shanghai Kelirik Machinery

Shandong Huate Magnet Technology

Zhangjiagang Tongsha Plastic Machinery

Shandong ALPA Powder Technology

Qingdao EPIC Powder Machinery

Genau (Shanghai) Industrial Equipment

SBM Micropowder Technology

Fraunhofer IFAM

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Powder Surface Modification Machine product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Powder Surface Modification Machine, with price, sales quantity, revenue, and global market share of Powder Surface Modification Machine from 2020 to 2025.

Chapter 3, the Powder Surface Modification Machine competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Powder Surface Modification Machine breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Powder Surface Modification Machine market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Powder Surface Modification Machine.

Chapter 14 and 15, to describe Powder Surface Modification Machine sales channel, distributors, customers, research findings and conclusion.

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