

Global Thermal Evaporation Vacuum Coating Machine Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GE41466D65D0EN.html>

Date: July 2023

Pages: 122

Price: US\$ 4,480.00 (Single User License)

ID: GE41466D65D0EN

Abstracts

The global Thermal Evaporation Vacuum Coating Machine market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Thermal evaporation is a well-known method for coating a thin layer in which the source material evaporates in a vacuum due to high temperature heating, which facilitates the vapor particles moving and directly reaching a substrate where these vapors again change to a solid state. In this method, a charge holding boat or resistive coil is used in the form of a powder or solid bar. In order to get the high melting points necessary for metals, the resistive boat/coil is exposed to a large direct current (DC), where the high vacuum (below 10^{-4} Pa) supports the evaporation of the metal and further carrying it to the substrate. This technique is specially applicable for material with low melting points. Thermal evaporation is also used to produce polymeric coatings. Thermal evaporation by resistive heating of polymers is limited by the low thermal conductivity of polymers. On the other hand, electron beam evaporation of organic materials is limited by the decomposition of the molecules. However, there are some applications where polymeric films have been grown successfully by thermal evaporation, such as PTFE and nylon in metal-polymer nanocomposite films.

This report studies the global Thermal Evaporation Vacuum Coating Machine production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Thermal Evaporation Vacuum Coating Machine, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Thermal

Evaporation Vacuum Coating Machine that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Thermal Evaporation Vacuum Coating Machine total production and demand, 2018-2029, (K Units)

Global Thermal Evaporation Vacuum Coating Machine total production value, 2018-2029, (USD Million)

Global Thermal Evaporation Vacuum Coating Machine production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Thermal Evaporation Vacuum Coating Machine consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Thermal Evaporation Vacuum Coating Machine domestic production, consumption, key domestic manufacturers and share

Global Thermal Evaporation Vacuum Coating Machine production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Thermal Evaporation Vacuum Coating Machine production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Thermal Evaporation Vacuum Coating Machine production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Thermal Evaporation Vacuum Coating Machine market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Satisloh, Böhler, Kolzer, CREAVAC, Semicore Equipment, ULVAC, Shincron, AIXTRON and Evatec, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices

used in analyzing the World Thermal Evaporation Vacuum Coating Machine market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Thermal Evaporation Vacuum Coating Machine Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Thermal Evaporation Vacuum Coating Machine Market, Segmentation by Type

Physical Vapor Deposition (PVD)

Chemical Vapor Deposition (CVD)

Global Thermal Evaporation Vacuum Coating Machine Market, Segmentation by Application

Optics

Consumer Packaging

Companies Profiled:

Satisloh

B?hler

Kolzer

CREAVAC

Semicore Equipment

ULVAC

Shincron

AIXTRON

Evatec

Jusung Engineering

Showa Shinku

Hanil Vacuum

CVD Equipment Corporation

Denton Vacuum

Zeiss

Key Questions Answered

1. How big is the global Thermal Evaporation Vacuum Coating Machine market?
2. What is the demand of the global Thermal Evaporation Vacuum Coating Machine market?
3. What is the year over year growth of the global Thermal Evaporation Vacuum Coating Machine market?
4. What is the production and production value of the global Thermal Evaporation Vacuum Coating Machine market?
5. Who are the key producers in the global Thermal Evaporation Vacuum Coating Machine market?
6. What are the growth factors driving the market demand?

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