

# Global Protective Coating for Semiconductor Fabrication Equipment Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G39E73B5FB73EN.html>

Date: August 2023

Pages: 127

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

ID: G39E73B5FB73EN

## Abstracts

The global Protective Coating for Semiconductor Fabrication Equipment market size is expected to reach \$ 1289.1 million by 2029, rising at a market growth of 5.4% CAGR during the forecast period (2023-2029).

Semiconductor manufacturing equipment is a medium tool for achieving semiconductor manufacturing processes, playing an important role in all aspects. According to SEMI, worldwide sales of semiconductor manufacturing equipment increased 5% from \$102.6 billion in 2021 to an all-time record of \$107.6 billion in 2022.

In recent years, the localization process of China's semiconductor industry has further accelerated, and the performance of semiconductor equipment is more flexible than the overall industry. The localization of semiconductor equipment is ushering in a golden wave, and domestic semiconductor equipment is facing more opportunities for verification and trial use, technical cooperation, and import substitution. For the third consecutive year, China remained the largest semiconductor equipment market in 2022 despite a 5% slowdown in the pace of investments in the region year over year, accounting for \$28.3 billion in billings.

The record high for semiconductor manufacturing equipment sales in 2022 stems from the industry's drive to add the fab capacity required to support long-term growth and innovations in key end markets including high-performance computing and automotive. Additionally, the results reflect investments and determination across regions to avoid future semiconductor supply chain constraints like those that surfaced during the pandemic.

Manufacturing silicon wafers and semiconductors require a harsh environment. This abrasive environment dramatically shortens the life of chamber components used to house the process, threatening the quality of the highly sensitive products. Coating is an essential process to stabilize process conditions and extend lifetime through special coating treatment on the surface of equipment parts.

By providing a wide range of various coating technologies optimized for each customer's process, particles and surface damage can be controlled and by stabilizing the conditions of the chamber, the life time of the product, the production yield and the operation rate can be improved, also contributing to the cost reduction of the customer.

This report studies the global Protective Coating for Semiconductor Fabrication Equipment demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Protective Coating for Semiconductor Fabrication Equipment, 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 Protective Coating for Semiconductor Fabrication Equipment that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Protective Coating for Semiconductor Fabrication Equipment total market, 2018-2029, (USD Million)

Global Protective Coating for Semiconductor Fabrication Equipment total market by region & country, CAGR, 2018-2029, (USD Million)

U.S. VS China: Protective Coating for Semiconductor Fabrication Equipment total market, key domestic companies and share, (USD Million)

Global Protective Coating for Semiconductor Fabrication Equipment revenue by player and market share 2018-2023, (USD Million)

Global Protective Coating for Semiconductor Fabrication Equipment total market by Coating Technology, CAGR, 2018-2029, (USD Million)

Global Protective Coating for Semiconductor Fabrication Equipment total market by

Application, CAGR, 2018-2029, (USD Million).

This reports profiles major players in the global Protective Coating for Semiconductor Fabrication Equipment market based on the following parameters – company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Entegris, Beneq, Saint-Gobain, Beneq, UCT (Ultra Clean Holdings, Inc), Fiti Group, SK enpulse, APS Materials, Inc. and SilcoTek, 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 Protective Coating for Semiconductor Fabrication Equipment market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Coating Technology, 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 Protective Coating for Semiconductor Fabrication Equipment Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Protective Coating for Semiconductor Fabrication Equipment Market,  
Segmentation by Coating Technology

Anodized Coating

Thermal Spray Coating

Aerosol Deposition (AD) Coating

Physical Vapor Deposition (PVD) Coating

Global Protective Coating for Semiconductor Fabrication Equipment Market,  
Segmentation by Application

Thin Film (CVD/ALD/PVD)

Etching (Metal/Ox/Poly)

Diffusion (Batch/Single)

Implant (HP/HC/LP/RTA)

Electrostatic Chucks

Others

Companies Profiled:

Entegris

Beneq

Saint-Gobain

Beneq

UCT (Ultra Clean Holdings, Inc)

Fiti Group

SK enpulse

APS Materials, Inc.

SilcoTek

Aluminum Electroplating Company

Alcadyne

ASSET Solutions, Inc.

KoMiCo

NGK (NTK CERATE)

Toshiba Materials

Hansol IONES

YMC Co., Ltd.

FEMVIX

SEWON HARDFACING CO.,LTD

CINOS

Oerlikon Balzers

Yeedex

## Key Questions Answered

1. How big is the global Protective Coating for Semiconductor Fabrication Equipment market?
2. What is the demand of the global Protective Coating for Semiconductor Fabrication Equipment market?
3. What is the year over year growth of the global Protective Coating for Semiconductor Fabrication Equipment market?
4. What is the total value of the global Protective Coating for Semiconductor Fabrication Equipment market?
5. Who are the major players in the global Protective Coating for Semiconductor Fabrication Equipment market?
6. What are the growth factors driving the market demand?

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