

Global High Purity Yttrium Oxide (Y2O3) Power for Semiconductor Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global High Purity Yttrium Oxide (Y2O3) Power for Semiconductor market size was valued at USD 32 million in 2022 and is forecast to a readjusted size of USD 49 million by 2029 with a CAGR of 6.2% during review period.

High purity yttrium oxide is applied in the semiconductor and liquid-crystal-display (LCD) production equipment with Antiplasma erosion resistance.

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.

The Global Info Research report includes an overview of the development of the High Purity Yttrium Oxide (Y2O3) Power for Semiconductor industry chain, the market status of Plasma Etch Equipment (Agglomerated, Agglomerated and Sintered), CVD Equipment (Agglomerated, Agglomerated and Sintered), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of High Purity Yttrium Oxide (Y2O3) Power for Semiconductor.

Regionally, the report analyzes the High Purity Yttrium Oxide (Y2O3) Power for Semiconductor markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global High Purity Yttrium Oxide (Y2O3) Power for Semiconductor market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the High Purity Yttrium Oxide (Y2O3) Power for Semiconductor market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the High Purity Yttrium Oxide (Y2O3) Power for Semiconductor industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Manufacturing Method (e.g., Agglomerated, Agglomerated and Sintered).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the High Purity Yttrium Oxide (Y2O3) Power for Semiconductor market.

Regional Analysis: The report involves examining the High Purity Yttrium Oxide (Y2O3)

Power for Semiconductor market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the High Purity Yttrium Oxide (Y2O3) Power for Semiconductor market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to High Purity Yttrium Oxide (Y2O3) Power for Semiconductor:

Company Analysis: Report covers individual High Purity Yttrium Oxide (Y2O3) Power for Semiconductor manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards High Purity Yttrium Oxide (Y2O3) Power for Semiconductor. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Plasma Etch Equipment, CVD Equipment).

Technology Analysis: Report covers specific technologies relevant to High Purity Yttrium Oxide (Y2O3) Power for Semiconductor. It assesses the current state, advancements, and potential future developments in High Purity Yttrium Oxide (Y2O3) Power for Semiconductor areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the High Purity Yttrium Oxide (Y2O3) Power for Semiconductor market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

High Purity Yttrium Oxide (Y2O3) Power for Semiconductor market is split by Manufacturing Method and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Manufacturing Method, and by Application in terms of volume and value.

Market segment by Manufacturing Method

Agglomerated

Agglomerated and Sintered

Market segment by Application

Plasma Etch Equipment

CVD Equipment

ESC (Electrostatic Chuck)

Others

Major players covered

FUJIMI INCORPORATED

Entegris

Hansol IONES

SEWON HARDFACING CO.,LTD

Saint-Gobain

Oerlikon Balzers

APS Materials, Inc.

NGK (NTK CERATE)

Hansol IONES

FEMVIX CORP.

CINOS

Yeedex

YMC Co., Ltd.

Treibacher Industrie AG

Nano Research Elements

Coorstek

Shin-Etsu Rare Earths

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 High Purity Yttrium Oxide (Y₂O₃) Power for Semiconductor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of High Purity Yttrium Oxide (Y2O3) Power for Semiconductor, with price, sales, revenue and global market share of High Purity Yttrium Oxide (Y2O3) Power for Semiconductor from 2018 to 2023.

Chapter 3, the High Purity Yttrium Oxide (Y2O3) Power for Semiconductor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the High Purity Yttrium Oxide (Y2O3) Power for Semiconductor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Manufacturing Method and application, with sales market share and growth rate by manufacturing method, application, from 2018 to 2029.

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 2017 to 2022. and High Purity Yttrium Oxide (Y2O3) Power for Semiconductor market forecast, by regions, manufacturing method and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of High Purity Yttrium Oxide (Y2O3) Power for Semiconductor.

Chapter 14 and 15, to describe High Purity Yttrium Oxide (Y2O3) Power for Semiconductor sales channel, distributors, customers, research findings and conclusion.

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