

Global Dry Etching Agent 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 Dry Etching Agent 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.

Dry Etching Agent is a chemical agent used in semiconductor manufacturing and micro-nano processing, which is used to etch and etch the surface of materials in the absence of liquid media. Dry etching is a process of directly converting atoms or molecules on the surface of solid materials into gases or ions to achieve precise etching of materials and fabrication of micro-nano structures. Dry etching is usually performed under vacuum or controlled atmosphere conditions and uses dry etchant to accelerate and control the etching process. The choice of Dry Etching Agent depends on the desired etching material and specific processing requirements. Different dry etchants have different chemical compositions and reaction mechanisms, and are suitable for different materials and etching targets.

According to our Semiconductor Research Center, in 2022, the global semiconductor equipment was valued at US\$ 109 billion. China mainland, China Taiwan and South Korea have a combined market share over 70%. North America, Europe and Japan, have a combined market share of 23%. The key drivers are high performance computing, AI, cloud computing, Servers, 5G and EV (electric vehicle), etc.

This report is a detailed and comprehensive analysis for global Dry Etching Agent 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 Dry Etching Agent market size and forecasts, in consumption value (\$ Million), sales quantity (Kiloton), and average selling prices (US\$/Ton), 2020-2031

Global Dry Etching Agent market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kiloton), and average selling prices (US\$/Ton), 2020-2031

Global Dry Etching Agent market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kiloton), and average selling prices (US\$/Ton), 2020-2031

Global Dry Etching Agent market shares of main players, shipments in revenue (\$ Million), sales quantity (Kiloton), and ASP (US\$/Ton), 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 Dry Etching Agent

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 Dry Etching Agent 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 BASF, Stella Chemifa, Soulbrain, KMG Chemicals, Formosa Daikin Advanced Chemicals, Avantor, Zhejiang Morita New Materials, Honeywell, Mitsubishi Chemical, Do-Fluoride Chemicals Co., Ltd, etc.

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

Market Segmentation

Dry Etching Agent 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

Plasma Etching

Reactive-ion Etching

Others

Market segment by Application

Integrated Circuit

Solar Energy

Monitor Panel

Others

Major players covered

BASF

Stella Chemifa

Soulbrain

KMG Chemicals

Formosa Daikin Advanced Chemicals

Avantor

Zhejiang Morita New Materials

Honeywell

Mitsubishi Chemical

Do-Fluoride Chemicals Co., Ltd

Zhejiang Kaisn Fluorochemical

Runma

Jianghua Microelectronics Materials

Fujian Shaowu Yongfei Chemical

Nagase ChemteX Corporation

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 Dry Etching Agent product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Dry Etching Agent, with price, sales quantity, revenue, and global market share of Dry Etching Agent from 2020 to 2025.

Chapter 3, the Dry Etching Agent competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Dry Etching Agent 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 Dry Etching Agent 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 Dry Etching Agent.

Chapter 14 and 15, to describe Dry Etching Agent sales channel, distributors, customers, research findings and conclusion.

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