

Global CVD Gas Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/G5243705120BEN.html>

Date: August 2025

Pages: 106

Price: US\$ 3,480.00 (Single User License)

ID: G5243705120BEN

Abstracts

According to our (Global Info Research) latest study, the global CVD Gas market size was valued at US\$ 1287 million in 2024 and is forecast to a readjusted size of USD 1930 million by 2031 with a CAGR of 6.0% during review period.

Electron gas in chemical vapor deposition (CVD) process is used to generate deposited films; CVD is a process in which a variety of gases are mixed and chemically reacted under vacuum to finally deposit reactants into films. Different deposition films require different electronic gases. In the deposition of SiO₂, silane, tetraethyl orthosilicate (TEOS) and other gases will be used. Ammonia (NH₃), silane and SiCl₂H₂ are used in the nitride deposition layer, WF₆ and silane are used in tungsten deposition, and TiCl₄ and ammonia are required in the preparation of TiN films.

This report is a detailed and comprehensive analysis for global CVD Gas 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 CVD Gas market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2020-2031

Global CVD Gas market size and forecasts by region and country, in consumption value

(\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg),
2020-2031

Global CVD Gas market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2020-2031

Global CVD Gas market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Kg), 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 CVD Gas

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 CVD Gas 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 Linde, Nippon Sanso, Air Liquide, Air Products, Shin-etsu, Kanto Denka Kogyo, Central Glass, SK Materials, Sumitomo Seika, Haohua Chemical Science & Technology, etc.

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

Market Segmentation

CVD Gas 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

Dichlorosilane

Tungsten Hexafluoride

Nitrous Oxide

Others

Market segment by Application

SiO₂ Deposition

Nitride Deposition

Tungsten Deposition

Major players covered

Linde

Nippon Sanso

Air Liquide

Air Products

Shin-etsu

Kanto Denka Kogyo

Central Glass

SK Materials

Sumitomo Seika

Haohua Chemical Science & Technology

Juhua Group

PERIC Special Gases

Yongjing Technology

Jinhong Group

Chongqing Tonghui Gas

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 CVD Gas product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the CVD Gas 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 CVD Gas 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 CVD Gas.

Chapter 14 and 15, to describe CVD Gas sales channel, distributors, customers, research findings and conclusion.

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