

Global CVD Gas Market Growth 2022-2028

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Abstracts

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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.

The global market for CVD Gas is estimated to increase from US\$ million in 2021 to reach US\$ million by 2028, exhibiting a CAGR of % during 2022-2028. Keeping in mind the uncertainties of COVID-19 and Russia-Ukraine War, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

The APAC CVD Gas market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The United States CVD Gas market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The Europe CVD Gas market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The China CVD Gas market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

Global key CVD Gas players cover Linde, Nippon Sanso, Air Liquide, Air Products and Shin-etsu, etc. In terms of revenue, the global largest two companies occupy a share nearly % in 2021.

Report Coverage

This latest report provides a deep insight into the global CVD Gas market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, value chain analysis, etc.

This report aims to provide a comprehensive picture of the global CVD Gas market, with both quantitative and qualitative data, to help readers understand how the CVD Gas market scenario changed across the globe during the pandemic and Russia-Ukraine War.

The base year considered for analyses is 2021, while the market estimates and forecasts are given from 2022 to 2028. The market estimates are provided in terms of revenue in USD millions and volume in Tons.

Market Segmentation:

The study segments the CVD Gas market and forecasts the market size by Type (Dichlorosilane, Tungsten Hexafluoride and Nitrous Oxide), by Application (SiO₂ Deposition, Nitride Deposition and Tungsten Deposition,), and region (APAC, Americas, Europe, and Middle East & Africa).

Segmentation by type

Dichlorosilane

Tungsten Hexafluoride

Nitrous Oxide

Others

Segmentation by application

SiO₂ Deposition

Nitride Deposition

Tungsten Deposition

Segmentation by region

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

Major companies 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

Chapter Introduction

Chapter 1: Scope of CVD Gas, Research Methodology, etc.

Chapter 2: Executive Summary, global CVD Gas market size (sales and revenue) and CAGR, CVD Gas market size by region, by type, by application, historical data from 2017 to 2022, and forecast to 2028.

Chapter 3: CVD Gas sales, revenue, average price, global market share, and industry ranking by company, 2017-2022

Chapter 4: Global CVD Gas sales and revenue by region and by country. Country specific data and market value analysis for the U.S., Canada, Europe, China, Japan, South Korea, Southeast Asia, India, Latin America and Middle East & Africa.

Chapter 5, 6, 7, 8: Americas, APAC, Europe, Middle East & Africa, sales segment by country, by type, and type.

Chapter 9: Analysis of the current market trends, market forecast, opportunities and economic trends that are affecting the future marketplace

Chapter 10: Manufacturing cost structure analysis

Chapter 11: Sales channel, distributors, and customers

Chapter 12: Global CVD Gas market size forecast by region, by country, by type, and

application.

Chapter 13: Comprehensive company profiles of the leading players, including Linde, Nippon Sanso, Air Liquide, Air Products, Shin-etsu, Kanto Denka Kogyo, Central Glass, SK Materials and Sumitomo Seika, etc.

Chapter 14: Research Findings and Conclusion

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