

# Global Compound Semiconductor Market Size, Manufacturers, Growth Analysis Industry Forecast to 2030

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## Abstracts

Compound semiconductors are semiconductors that are made from two or more elements. Silicon is made from a single element, and therefore is not a compound semiconductor.

Most compound semiconductors are from combinations of elements from Group III and Group V of the Periodic Table of the Elements (GaAs, GaP, InP and others). Other compound semiconductors are made from Groups II and VI (CdTe, ZnSe and others). It is also possible to use different elements from within the same group (IV), to make compound semiconductors such as SiC.

According to APO Research, The global Compound Semiconductor market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

Japan is the largest producer of Compound Semiconductor, with a market share nearly 25%. It was followed by North America with 20%. Sumitomo Electric Industries, SCIOCS, Mitsubishi Chemical, Dow Corning and Shin-Etsu Chemical are the top 5 manufacturers of industry, and they had about 40% combined market share.

This report presents an overview of global market for Compound Semiconductor, sales, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Compound Semiconductor, also provides the sales of main regions and countries. Of the upcoming market potential for

Compound Semiconductor, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Compound Semiconductor sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Compound Semiconductor market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Compound Semiconductor sales, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including IQE PLC, Sumitomo Electric Industries, SCIOCS, Mitsubishi Chemical, San'an Optoelectronics, DuPont, Shin-Etsu Chemical, DOWA and Freiberger, etc.

#### Compound Semiconductor segment by Company

IQE PLC

Sumitomo Electric Industries

SCIOCS

Mitsubishi Chemical

San'an Optoelectronics

DuPont

Shin-Etsu Chemical

DOWA

Freiberger

JX Nippon Mining & Metals

### Compound Semiconductor segment by Type

Gallium Arsenide (GaAs)

Gallium Nitride (GaN)

Silicon Carbide (SiC)

Others

### Compound Semiconductor segment by Application

Electronic Components

Photonic Device

Optoelectronic Devices

Integrated Circuit

### Compound Semiconductor segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

## Study Objectives

1. To analyze and research the global Compound Semiconductor status and future forecast, involving, sales, revenue, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, sales, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions Compound Semiconductor market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify Compound Semiconductor significant trends, drivers, influence factors in global and regions.
6. To analyze Compound Semiconductor competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

## Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Compound Semiconductor market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

2. This report will help stakeholders to understand the global industry status and trends of Compound Semiconductor and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in sales and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Compound Semiconductor.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

## Chapter Outline

Chapter 1: Provides an overview of the Compound Semiconductor market, including product definition, global market growth prospects, sales value, sales volume, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Compound Semiconductor industry.

Chapter 3: Detailed analysis of Compound Semiconductor manufacturers competitive landscape, price, sales and revenue market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find

the blue ocean market in different downstream markets.

Chapter 6: Sales and value of Compound Semiconductor in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the market development, future development prospects, market space, and market size of each country in the world.

Chapter 7: Sales and value of Compound Semiconductor in country level. It provides sigmate data by type, and by application for each country/region.

Chapter 8: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights.

Chapter 10: Concluding Insights.

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