

Global Wide Bandgap Semiconductor Material and Devices Market Growth (Status and Outlook) 2022-2028

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Abstracts

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Refers to semiconductor materials with a band gap greater than 2.2eV, mainly represented by silicon carbide (SiC) and gallium nitride (GaN) technologies

The global market for Wide Bandgap Semiconductor Material and Devices 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 Wide Bandgap Semiconductor Material and Devices market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The United States Wide Bandgap Semiconductor Material and Devices market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The Europe Wide Bandgap Semiconductor Material and Devices market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The China Wide Bandgap Semiconductor Material and Devices market is expected at

value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

Global key Wide Bandgap Semiconductor Material and Devices players cover SICC, Mersen, GaN Systems, ROHM and Onsemi, 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 Wide Bandgap Semiconductor Material and Devices 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 Wide Bandgap Semiconductor Material and Devices market, with both quantitative and qualitative data, to help readers understand how the Wide Bandgap Semiconductor Material and Devices 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.

Market Segmentation:

The study segments the Wide Bandgap Semiconductor Material and Devices market and forecasts the market size by Type (Silicon Carbide, Gallium Nitride and Diamond), by Application (Lighting Field, Optical Storage Field, Electronic Device Field and Other), and region (APAC, Americas, Europe, and Middle East & Africa).

Segmentation by type

Silicon Carbide

Gallium Nitride

Diamond

Other

Segmentation by application

Lighting Field

Optical Storage Field

Electronic Device Field

Other

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

SICC

Mersen

GaN Systems

ROHM

Onsemi

ST

Infineon

Renesas

NXP

Fujitsu

Mitsubishi Electric

Tianke Blue

Showa Denko

Wolfseed

Coherent

Furukawa

Chapter Introduction

Chapter 1: Scope of Wide Bandgap Semiconductor Material and Devices, Research Methodology, etc.

Chapter 2: Executive Summary, global Wide Bandgap Semiconductor Material and Devices market size and CAGR, Wide Bandgap Semiconductor Material and Devices market size by region, by type, by application, historical data from 2017 to 2022, and forecast to 2028.

Chapter 3: Wide Bandgap Semiconductor Material and Devices revenue, global market share, and industry ranking by company, 2017-2022

Chapter 4: Global Wide Bandgap Semiconductor Material and Devices 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, revenue segment by country, by type, and application.

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 Wide Bandgap Semiconductor Material and Devices market size forecast by region, by country, by type, and application

Chapter 13: Comprehensive company profiles of the leading players, including SICC, Mersen, GaN Systems, ROHM, Onsemi, ST, Infineon, Renesas and NXP, etc.

Chapter 14: Research Findings and Conclusion

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