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Global SiC Device Foundry Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global SiC Device Foundry market size was valued at US$ 189 million in 2025 and is forecast to a readjusted size of US$ 851 million by 2032 with a CAGR of 24.2% during review period.

Silicon carbide (SiC) is a promising material for high power and high efficiency power devices which promote an advanced, energy-saving society. Currently the SiC devices are widely used in electric vehicle (EV) applications, solar inverters, energy storage, industrial motor drives, and power supplies.

This report studies the foundry for silicon carbide (SiC) devices, include the SiC MOSFETs and SiC SBD. Currently only few fabs can provide the SiC wafer foundry, include X-Fab, Episil Technology Inc., Sanan IC and HLMC, etc.

This report is a detailed and comprehensive analysis for global SiC Device Foundry market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Technology 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 SiC Device Foundry market size and forecasts, in consumption value ($ Million),

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sales quantity (Pcs), and average selling prices (US$/Pc), 2021-2032

Global SiC Device Foundry market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Pcs), and average selling prices (US$/Pc), 2021-2032

Global SiC Device Foundry market size and forecasts, by Technology and by Application, in consumption value ($ Million), sales quantity (Pcs), and average selling prices (US$/Pc), 2021-2032

Global SiC Device Foundry market shares of main players, shipments in revenue ($ Million), sales quantity (Pcs), and ASP (US$/Pc), 2021-2026

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 SiC Device Foundry

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 SiC Device Foundry 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 X-Fab, Episil Technology Inc., Sanan IC, HLMC, GTA Semiconductor Co., Ltd., Beijing Yandong Microelectronics, United Nova Technology, Global Power Technology, Wuhu Tus-Semiconductor, AscenPower, etc.

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

Market Segmentation

SiC Device Foundry market is split by Technology and by Application. For the period

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2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Technology, 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 Technology

SiC MOSFET

SiC SBD

Market segment by Application

Automotive & EV/HEV

EV Charging

UPS, Data Center & Server

PV, Energy Storage, Wind Power

Others

Major players covered

X-Fab

Episil Technology Inc.

Sanan IC

HLMC

GTA Semiconductor Co., Ltd.

Beijing Yandong Microelectronics

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United Nova Technology

Global Power Technology

Wuhu Tus-Semiconductor

AscenPower

Clas-SiC Wafer Fab

SiCamore Semi

DB HiTek

Nanjing Quenergy Semiconductor

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 SiC Device Foundry product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of SiC Device Foundry, with price, sales

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quantity, revenue, and global market share of SiC Device Foundry from 2021 to 2026.

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

Chapter 4, the SiC Device Foundry breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Technology and by Application, with sales market share and growth rate by Technology, by Application, from 2021 to 2032.

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 2021 to 2026.and SiC Device Foundry market forecast, by regions, by Technology, and by Application, with sales and revenue, from 2027 to 2032.

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 SiC Device Foundry.

Chapter 14 and 15, to describe SiC Device Foundry sales channel, distributors, customers, research findings and conclusion.

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