

Global 8-inch SiC Epitaxial CVD System Market Growth 2024-2030

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Abstracts

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In the SiC Epitaxial CVD system, silicon source and carbon source are introduced in the form of gaseous precursors by accurately controlling the gas flow, temperature, pressure and atmospheric conditions in the reaction chamber, and allow them to melt on the pre-prepared single crystal SiC substrate. A chemical reaction occurs on the substrate, resulting in the growth of a high-quality SiC film oriented along the crystal plane of the substrate that matches the crystal lattice of the substrate. This kind of film is usually used to manufacture high-performance power semiconductor devices, such as diodes, MOSFETs, IGBTs, etc. These devices are widely used in electric vehicles, solar inverters, power conversion systems and other fields that require extremely high efficiency and reliability. This report studies a SiC Epitaxial CVD system that can be used for 8-inch (200 mm) wafer epitaxy.

The global 8-inch SiC Epitaxial CVD System market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "8-inch SiC Epitaxial CVD System Industry Forecast" looks at past sales and reviews total world 8-inch SiC Epitaxial CVD System sales in 2023, providing a comprehensive analysis by region and market sector of projected 8-inch SiC Epitaxial CVD System sales for 2024 through 2030. With 8-inch SiC Epitaxial CVD System sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world 8-inch SiC Epitaxial CVD System industry.

This Insight Report provides a comprehensive analysis of the global 8-inch SiC Epitaxial CVD System landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on 8-inch SiC Epitaxial CVD System portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global 8-inch SiC Epitaxial CVD System market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for 8-inch SiC Epitaxial CVD System and breaks down the forecast by Productivity (Per Hour), by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global 8-inch SiC Epitaxial CVD System.

United States market for 8-inch SiC Epitaxial CVD System is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for 8-inch SiC Epitaxial CVD System is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for 8-inch SiC Epitaxial CVD System is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key 8-inch SiC Epitaxial CVD System players cover Tokyo Electron Limited, Equiluvac (Veeco), Nuflare, ASM International, AIXTRON, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of 8-inch SiC Epitaxial CVD System market by product type, application, key manufacturers and key regions and countries.

Segmentation by Productivity (Per Hour):

Below 50 Wafers

50-100 Wafers

Above 100 Wafers

Segmentation by Application:

Transistor Formation

Wafer Manufacturing

Power Devices

This report also splits the market 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

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Tokyo Electron Limited

Equiluvac (Veeco)

Nuflare

ASM International

AIXTRON

M.WATANABE

Naura

JSG

Sicentury

Shenzhen Naso Tech

Key Questions Addressed in this Report

What is the 10-year outlook for the global 8-inch SiC Epitaxial CVD System market?

What factors are driving 8-inch SiC Epitaxial CVD System market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do 8-inch SiC Epitaxial CVD System market opportunities vary by end market size?

How does 8-inch SiC Epitaxial CVD System break out by Productivity (Per Hour), by Application?

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