

Global SiC & GaN Device Wafer Front-End Equipment Market Growth 2024-2030

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Abstracts

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Silicon carbide (SiC) devices are a type of semiconductor device that offer several advantages over traditional silicon (Si) devices. SiC has emerged as a critical material for various high-performance electronic applications due to its superior properties such as higher thermal conductivity, wider bandgap, and higher electric field strength. These properties make SiC devices particularly well-suited for high-power and high-temperature applications.

The global SiC & GaN Device Wafer Front-End Equipment market size is projected to grow from US\$ 3864 million in 2024 to US\$ 12690 million in 2030; it is expected to grow at a CAGR of 21.9% from 2024 to 2030.

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

This Insight Report provides a comprehensive analysis of the global SiC & GaN Device Wafer Front-End Equipment 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 SiC & GaN Device Wafer Front-End Equipment portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global SiC & GaN Device Wafer Front-End Equipment market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for SiC & GaN Device Wafer Front-End Equipment and breaks down the forecast by Type, 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 SiC & GaN Device Wafer Front-End Equipment.

United States market for SiC & GaN Device Wafer Front-End Equipment 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 SiC & GaN Device Wafer Front-End Equipment 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 SiC & GaN Device Wafer Front-End Equipment is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key SiC & GaN Device Wafer Front-End Equipment players cover Applied Materials, Lam Research, Mattson Technology, Inc., SPTS Technologies, Oxford Instruments, 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 SiC & GaN Device Wafer Front-End Equipment market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

SiC & GaN Epitaxy Equipment

SiC & GaN Etch and Clean Equipment

SiC & GaN Ion Planter

SiC & GaN Anneal and Oxidation Equipment

SiC & GaN Wafer Thinning/CMP Tools

SiC & GaN Metrology and Inspection Equipment

Segmentation by Application:

SiC Semiconductor Devices

GaN Semiconductor 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.

Applied Materials

Lam Research

Mattson Technology, Inc.

SPTS Technologies

Oxford Instruments

Trymax Semiconductor

SCREEN Semiconductor

Tokyo Electron Ltd (TEL)

ULVAC

Panasonic

Axcelis

Ion Beam Services (IBS)

Kokusai Electric

Nissin Ion Equipment USA, Inc

Sumitomo Heavy Industries, Ltd.

PR Hoffman, Inc.

Revasum

Logitech

DISCO

TOKYO SEIMITSU (ACCRETECH)

Okamoto Machine Tool Works, Ltd.

KLA Corporation

Onto Innovation

Semilab

Camtek

Unity Semiconductor SAS

PVA TePla

Lasertec

Veeco

Aixtron

Thermco Systems Limited

ASM International NV

NuFlare Technology, Inc.

Naura

GMC Semitech Co.,Ltd

Kingstone Semiconductor

Hwatsing Technology

Angkun Vision (Beijing) Technology

Shanghai Bangxin Semi Technology

Jingsheng Electromechanical

CETC 48

Key Questions Addressed in this Report

What is the 10-year outlook for the global SiC & GaN Device Wafer Front-End Equipment market?

What factors are driving SiC & GaN Device Wafer Front-End Equipment market growth, globally and by region?

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

How do SiC & GaN Device Wafer Front-End Equipment market opportunities vary by end market size?

How does SiC & GaN Device Wafer Front-End Equipment break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global SiC & GaN Device Wafer Front-End Equipment Annual Sales 2019-2030
- 2.1.2 World Current & Future Analysis for SiC & GaN Device Wafer Front-End Equipment by Geographic Region, 2019, 2023 & 2030
- 2.1.3 World Current & Future Analysis for SiC & GaN Device Wafer Front-End Equipment by Country/Region, 2019, 2023 & 2030

2.2 SiC & GaN Device Wafer Front-End Equipment Segment by Type

- 2.2.1 SiC & GaN Epitaxy Equipment
- 2.2.2 SiC & GaN Etch and Clean Equipment
- 2.2.3 SiC & GaN Ion Implanter
- 2.2.4 SiC & GaN Anneal and Oxidation Equipment
- 2.2.5 SiC & GaN Wafer Thinning/CMP Tools
- 2.2.6 SiC & GaN Metrology and Inspection Equipment

2.3 SiC & GaN Device Wafer Front-End Equipment Sales by Type

- 2.3.1 Global SiC & GaN Device Wafer Front-End Equipment Sales Market Share by Type (2019-2024)
- 2.3.2 Global SiC & GaN Device Wafer Front-End Equipment Revenue and Market Share by Type (2019-2024)
- 2.3.3 Global SiC & GaN Device Wafer Front-End Equipment Sale Price by Type (2019-2024)

2.4 SiC & GaN Device Wafer Front-End Equipment Segment by Application

- 2.4.1 SiC Semiconductor Devices
- 2.4.2 GaN Semiconductor Devices

2.5 SiC & GaN Device Wafer Front-End Equipment Sales by Application

2.5.1 Global SiC & GaN Device Wafer Front-End Equipment Sale Market Share by Application (2019-2024)

2.5.2 Global SiC & GaN Device Wafer Front-End Equipment Revenue and Market Share by Application (2019-2024)

2.5.3 Global SiC & GaN Device Wafer Front-End Equipment Sale Price by Application (2019-2024)

3 GLOBAL BY COMPANY

3.1 Global SiC & GaN Device Wafer Front-End Equipment Breakdown Data by Company

3.1.1 Global SiC & GaN Device Wafer Front-End Equipment Annual Sales by Company (2019-2024)

3.1.2 Global SiC & GaN Device Wafer Front-End Equipment Sales Market Share by Company (2019-2024)

3.2 Global SiC & GaN Device Wafer Front-End Equipment Annual Revenue by Company (2019-2024)

3.2.1 Global SiC & GaN Device Wafer Front-End Equipment Revenue by Company (2019-2024)

3.2.2 Global SiC & GaN Device Wafer Front-End Equipment Revenue Market Share by Company (2019-2024)

3.3 Global SiC & GaN Device Wafer Front-End Equipment Sale Price by Company

3.4 Key Manufacturers SiC & GaN Device Wafer Front-End Equipment Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers SiC & GaN Device Wafer Front-End Equipment Product Location Distribution

3.4.2 Players SiC & GaN Device Wafer Front-End Equipment Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR SiC & GAN DEVICE WAFER FRONT-END EQUIPMENT BY GEOGRAPHIC REGION

4.1 World Historic SiC & GaN Device Wafer Front-End Equipment Market Size by Geographic Region (2019-2024)

4.1.1 Global SiC & GaN Device Wafer Front-End Equipment Annual Sales by

Geographic Region (2019-2024)

4.1.2 Global SiC & GaN Device Wafer Front-End Equipment Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic SiC & GaN Device Wafer Front-End Equipment Market Size by Country/Region (2019-2024)

4.2.1 Global SiC & GaN Device Wafer Front-End Equipment Annual Sales by Country/Region (2019-2024)

4.2.2 Global SiC & GaN Device Wafer Front-End Equipment Annual Revenue by Country/Region (2019-2024)

4.3 Americas SiC & GaN Device Wafer Front-End Equipment Sales Growth

4.4 APAC SiC & GaN Device Wafer Front-End Equipment Sales Growth

4.5 Europe SiC & GaN Device Wafer Front-End Equipment Sales Growth

4.6 Middle East & Africa SiC & GaN Device Wafer Front-End Equipment Sales Growth

5 AMERICAS

5.1 Americas SiC & GaN Device Wafer Front-End Equipment Sales by Country

5.1.1 Americas SiC & GaN Device Wafer Front-End Equipment Sales by Country (2019-2024)

5.1.2 Americas SiC & GaN Device Wafer Front-End Equipment Revenue by Country (2019-2024)

5.2 Americas SiC & GaN Device Wafer Front-End Equipment Sales by Type (2019-2024)

5.3 Americas SiC & GaN Device Wafer Front-End Equipment Sales by Application (2019-2024)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC SiC & GaN Device Wafer Front-End Equipment Sales by Region

6.1.1 APAC SiC & GaN Device Wafer Front-End Equipment Sales by Region (2019-2024)

6.1.2 APAC SiC & GaN Device Wafer Front-End Equipment Revenue by Region (2019-2024)

6.2 APAC SiC & GaN Device Wafer Front-End Equipment Sales by Type (2019-2024)

6.3 APAC SiC & GaN Device Wafer Front-End Equipment Sales by Application

(2019-2024)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe SiC & GaN Device Wafer Front-End Equipment by Country

7.1.1 Europe SiC & GaN Device Wafer Front-End Equipment Sales by Country
(2019-2024)

7.1.2 Europe SiC & GaN Device Wafer Front-End Equipment Revenue by Country
(2019-2024)

7.2 Europe SiC & GaN Device Wafer Front-End Equipment Sales by Type (2019-2024)

7.3 Europe SiC & GaN Device Wafer Front-End Equipment Sales by Application
(2019-2024)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa SiC & GaN Device Wafer Front-End Equipment by Country

8.1.1 Middle East & Africa SiC & GaN Device Wafer Front-End Equipment Sales by
Country (2019-2024)

8.1.2 Middle East & Africa SiC & GaN Device Wafer Front-End Equipment Revenue by
Country (2019-2024)

8.2 Middle East & Africa SiC & GaN Device Wafer Front-End Equipment Sales by Type
(2019-2024)

8.3 Middle East & Africa SiC & GaN Device Wafer Front-End Equipment Sales by
Application (2019-2024)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of SiC & GaN Device Wafer Front-End Equipment

10.3 Manufacturing Process Analysis of SiC & GaN Device Wafer Front-End Equipment

10.4 Industry Chain Structure of SiC & GaN Device Wafer Front-End Equipment

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 SiC & GaN Device Wafer Front-End Equipment Distributors

11.3 SiC & GaN Device Wafer Front-End Equipment Customer

12 WORLD FORECAST REVIEW FOR SIC & GAN DEVICE WAFER FRONT-END EQUIPMENT BY GEOGRAPHIC REGION

12.1 Global SiC & GaN Device Wafer Front-End Equipment Market Size Forecast by Region

12.1.1 Global SiC & GaN Device Wafer Front-End Equipment Forecast by Region (2025-2030)

12.1.2 Global SiC & GaN Device Wafer Front-End Equipment Annual Revenue Forecast by Region (2025-2030)

12.2 Americas Forecast by Country (2025-2030)

12.3 APAC Forecast by Region (2025-2030)

12.4 Europe Forecast by Country (2025-2030)

12.5 Middle East & Africa Forecast by Country (2025-2030)

12.6 Global SiC & GaN Device Wafer Front-End Equipment Forecast by Type

(2025-2030)

12.7 Global SiC & GaN Device Wafer Front-End Equipment Forecast by Application
(2025-2030)

13 KEY PLAYERS ANALYSIS

13.1 Applied Materials

13.1.1 Applied Materials Company Information

13.1.2 Applied Materials SiC & GaN Device Wafer Front-End Equipment Product
Portfolios and Specifications

13.1.3 Applied Materials SiC & GaN Device Wafer Front-End Equipment Sales,
Revenue, Price and Gross Margin (2019-2024)

13.1.4 Applied Materials Main Business Overview

13.1.5 Applied Materials Latest Developments

13.2 Lam Research

13.2.1 Lam Research Company Information

13.2.2 Lam Research SiC & GaN Device Wafer Front-End Equipment Product
Portfolios and Specifications

13.2.3 Lam Research SiC & GaN Device Wafer Front-End Equipment Sales, Revenue,
Price and Gross Margin (2019-2024)

13.2.4 Lam Research Main Business Overview

13.2.5 Lam Research Latest Developments

13.3 Mattson Technology, Inc.

13.3.1 Mattson Technology, Inc. Company Information

13.3.2 Mattson Technology, Inc. SiC & GaN Device Wafer Front-End Equipment
Product Portfolios and Specifications

13.3.3 Mattson Technology, Inc. SiC & GaN Device Wafer Front-End Equipment
Sales, Revenue, Price and Gross Margin (2019-2024)

13.3.4 Mattson Technology, Inc. Main Business Overview

13.3.5 Mattson Technology, Inc. Latest Developments

13.4 SPTS Technologies

13.4.1 SPTS Technologies Company Information

13.4.2 SPTS Technologies SiC & GaN Device Wafer Front-End Equipment Product
Portfolios and Specifications

13.4.3 SPTS Technologies SiC & GaN Device Wafer Front-End Equipment Sales,
Revenue, Price and Gross Margin (2019-2024)

13.4.4 SPTS Technologies Main Business Overview

13.4.5 SPTS Technologies Latest Developments

13.5 Oxford Instruments

- 13.5.1 Oxford Instruments Company Information
- 13.5.2 Oxford Instruments SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
- 13.5.3 Oxford Instruments SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.5.4 Oxford Instruments Main Business Overview
- 13.5.5 Oxford Instruments Latest Developments
- 13.6 Trymax Semiconductor
 - 13.6.1 Trymax Semiconductor Company Information
 - 13.6.2 Trymax Semiconductor SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
 - 13.6.3 Trymax Semiconductor SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.6.4 Trymax Semiconductor Main Business Overview
 - 13.6.5 Trymax Semiconductor Latest Developments
- 13.7 SCREEN Semiconductor
 - 13.7.1 SCREEN Semiconductor Company Information
 - 13.7.2 SCREEN Semiconductor SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
 - 13.7.3 SCREEN Semiconductor SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.7.4 SCREEN Semiconductor Main Business Overview
 - 13.7.5 SCREEN Semiconductor Latest Developments
- 13.8 Tokyo Electron Ltd (TEL)
 - 13.8.1 Tokyo Electron Ltd (TEL) Company Information
 - 13.8.2 Tokyo Electron Ltd (TEL) SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
 - 13.8.3 Tokyo Electron Ltd (TEL) SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.8.4 Tokyo Electron Ltd (TEL) Main Business Overview
 - 13.8.5 Tokyo Electron Ltd (TEL) Latest Developments
- 13.9 ULVAC
 - 13.9.1 ULVAC Company Information
 - 13.9.2 ULVAC SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
 - 13.9.3 ULVAC SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.9.4 ULVAC Main Business Overview
 - 13.9.5 ULVAC Latest Developments

13.10 Panasonic

13.10.1 Panasonic Company Information

13.10.2 Panasonic SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.10.3 Panasonic SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.10.4 Panasonic Main Business Overview

13.10.5 Panasonic Latest Developments

13.11 Axcelis

13.11.1 Axcelis Company Information

13.11.2 Axcelis SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.11.3 Axcelis SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.11.4 Axcelis Main Business Overview

13.11.5 Axcelis Latest Developments

13.12 Ion Beam Services (IBS)

13.12.1 Ion Beam Services (IBS) Company Information

13.12.2 Ion Beam Services (IBS) SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.12.3 Ion Beam Services (IBS) SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.12.4 Ion Beam Services (IBS) Main Business Overview

13.12.5 Ion Beam Services (IBS) Latest Developments

13.13 Kokusai Electric

13.13.1 Kokusai Electric Company Information

13.13.2 Kokusai Electric SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.13.3 Kokusai Electric SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.13.4 Kokusai Electric Main Business Overview

13.13.5 Kokusai Electric Latest Developments

13.14 Nissin Ion Equipment USA, Inc

13.14.1 Nissin Ion Equipment USA, Inc Company Information

13.14.2 Nissin Ion Equipment USA, Inc SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.14.3 Nissin Ion Equipment USA, Inc SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.14.4 Nissin Ion Equipment USA, Inc Main Business Overview

- 13.14.5 Nissin Ion Equipment USA, Inc Latest Developments
- 13.15 Sumitomo Heavy Industries, Ltd.
 - 13.15.1 Sumitomo Heavy Industries, Ltd. Company Information
 - 13.15.2 Sumitomo Heavy Industries, Ltd. SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
 - 13.15.3 Sumitomo Heavy Industries, Ltd. SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.15.4 Sumitomo Heavy Industries, Ltd. Main Business Overview
 - 13.15.5 Sumitomo Heavy Industries, Ltd. Latest Developments
- 13.16 PR Hoffman, Inc.
 - 13.16.1 PR Hoffman, Inc. Company Information
 - 13.16.2 PR Hoffman, Inc. SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
 - 13.16.3 PR Hoffman, Inc. SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.16.4 PR Hoffman, Inc. Main Business Overview
 - 13.16.5 PR Hoffman, Inc. Latest Developments
- 13.17 Revasum
 - 13.17.1 Revasum Company Information
 - 13.17.2 Revasum SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
 - 13.17.3 Revasum SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.17.4 Revasum Main Business Overview
 - 13.17.5 Revasum Latest Developments
- 13.18 Logitech
 - 13.18.1 Logitech Company Information
 - 13.18.2 Logitech SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
 - 13.18.3 Logitech SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.18.4 Logitech Main Business Overview
 - 13.18.5 Logitech Latest Developments
- 13.19 DISCO
 - 13.19.1 DISCO Company Information
 - 13.19.2 DISCO SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
 - 13.19.3 DISCO SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

- 13.19.4 DISCO Main Business Overview
- 13.19.5 DISCO Latest Developments
- 13.20 TOKYO SEIMITSU (ACCRETECH)
 - 13.20.1 TOKYO SEIMITSU (ACCRETECH) Company Information
 - 13.20.2 TOKYO SEIMITSU (ACCRETECH) SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
 - 13.20.3 TOKYO SEIMITSU (ACCRETECH) SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.20.4 TOKYO SEIMITSU (ACCRETECH) Main Business Overview
 - 13.20.5 TOKYO SEIMITSU (ACCRETECH) Latest Developments
- 13.21 Okamoto Machine Tool Works, Ltd.
 - 13.21.1 Okamoto Machine Tool Works, Ltd. Company Information
 - 13.21.2 Okamoto Machine Tool Works, Ltd. SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
 - 13.21.3 Okamoto Machine Tool Works, Ltd. SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.21.4 Okamoto Machine Tool Works, Ltd. Main Business Overview
 - 13.21.5 Okamoto Machine Tool Works, Ltd. Latest Developments
- 13.22 KLA Corporation
 - 13.22.1 KLA Corporation Company Information
 - 13.22.2 KLA Corporation SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
 - 13.22.3 KLA Corporation SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.22.4 KLA Corporation Main Business Overview
 - 13.22.5 KLA Corporation Latest Developments
- 13.23 Onto Innovation
 - 13.23.1 Onto Innovation Company Information
 - 13.23.2 Onto Innovation SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
 - 13.23.3 Onto Innovation SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.23.4 Onto Innovation Main Business Overview
 - 13.23.5 Onto Innovation Latest Developments
- 13.24 Semilab
 - 13.24.1 Semilab Company Information
 - 13.24.2 Semilab SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
 - 13.24.3 Semilab SiC & GaN Device Wafer Front-End Equipment Sales, Revenue,

Price and Gross Margin (2019-2024)

13.24.4 Semilab Main Business Overview

13.24.5 Semilab Latest Developments

13.25 Camtek

13.25.1 Camtek Company Information

13.25.2 Camtek SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.25.3 Camtek SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.25.4 Camtek Main Business Overview

13.25.5 Camtek Latest Developments

13.26 Unity Semiconductor SAS

13.26.1 Unity Semiconductor SAS Company Information

13.26.2 Unity Semiconductor SAS SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.26.3 Unity Semiconductor SAS SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.26.4 Unity Semiconductor SAS Main Business Overview

13.26.5 Unity Semiconductor SAS Latest Developments

13.27 PVA TePla

13.27.1 PVA TePla Company Information

13.27.2 PVA TePla SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.27.3 PVA TePla SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.27.4 PVA TePla Main Business Overview

13.27.5 PVA TePla Latest Developments

13.28 Lasertec

13.28.1 Lasertec Company Information

13.28.2 Lasertec SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.28.3 Lasertec SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.28.4 Lasertec Main Business Overview

13.28.5 Lasertec Latest Developments

13.29 Veeco

13.29.1 Veeco Company Information

13.29.2 Veeco SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.29.3 Veeco SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.29.4 Veeco Main Business Overview

13.29.5 Veeco Latest Developments

13.30 Aixtron

13.30.1 Aixtron Company Information

13.30.2 Aixtron SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.30.3 Aixtron SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.30.4 Aixtron Main Business Overview

13.30.5 Aixtron Latest Developments

13.31 Thermco Systems Limited

13.31.1 Thermco Systems Limited Company Information

13.31.2 Thermco Systems Limited SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.31.3 Thermco Systems Limited SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.31.4 Thermco Systems Limited Main Business Overview

13.31.5 Thermco Systems Limited Latest Developments

13.32 ASM International NV

13.32.1 ASM International NV Company Information

13.32.2 ASM International NV SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.32.3 ASM International NV SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.32.4 ASM International NV Main Business Overview

13.32.5 ASM International NV Latest Developments

13.33 NuFlare Technology, Inc.

13.33.1 NuFlare Technology, Inc. Company Information

13.33.2 NuFlare Technology, Inc. SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.33.3 NuFlare Technology, Inc. SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.33.4 NuFlare Technology, Inc. Main Business Overview

13.33.5 NuFlare Technology, Inc. Latest Developments

13.34 Naura

13.34.1 Naura Company Information

13.34.2 Naura SiC & GaN Device Wafer Front-End Equipment Product Portfolios and

Specifications

13.34.3 Naura SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.34.4 Naura Main Business Overview

13.34.5 Naura Latest Developments

13.35 GMC Semitech Co.,Ltd

13.35.1 GMC Semitech Co.,Ltd Company Information

13.35.2 GMC Semitech Co.,Ltd SiC & GaN Device Wafer Front-End Equipment

Product Portfolios and Specifications

13.35.3 GMC Semitech Co.,Ltd SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.35.4 GMC Semitech Co.,Ltd Main Business Overview

13.35.5 GMC Semitech Co.,Ltd Latest Developments

13.36 Kingstone Semiconductor

13.36.1 Kingstone Semiconductor Company Information

13.36.2 Kingstone Semiconductor SiC & GaN Device Wafer Front-End Equipment

Product Portfolios and Specifications

13.36.3 Kingstone Semiconductor SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.36.4 Kingstone Semiconductor Main Business Overview

13.36.5 Kingstone Semiconductor Latest Developments

13.37 Hwatsing Technology

13.37.1 Hwatsing Technology Company Information

13.37.2 Hwatsing Technology SiC & GaN Device Wafer Front-End Equipment Product

Portfolios and Specifications

13.37.3 Hwatsing Technology SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.37.4 Hwatsing Technology Main Business Overview

13.37.5 Hwatsing Technology Latest Developments

13.38 Angkun Vision (Beijing) Technology

13.38.1 Angkun Vision (Beijing) Technology Company Information

13.38.2 Angkun Vision (Beijing) Technology SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.38.3 Angkun Vision (Beijing) Technology SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.38.4 Angkun Vision (Beijing) Technology Main Business Overview

13.38.5 Angkun Vision (Beijing) Technology Latest Developments

13.39 Shanghai Bangxin Semi Technology

13.39.1 Shanghai Bangxin Semi Technology Company Information

13.39.2 Shanghai Bangxin Semi Technology SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.39.3 Shanghai Bangxin Semi Technology SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.39.4 Shanghai Bangxin Semi Technology Main Business Overview

13.39.5 Shanghai Bangxin Semi Technology Latest Developments

13.40 Jingsheng Electromechanical

13.40.1 Jingsheng Electromechanical Company Information

13.40.2 Jingsheng Electromechanical SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.40.3 Jingsheng Electromechanical SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.40.4 Jingsheng Electromechanical Main Business Overview

13.40.5 Jingsheng Electromechanical Latest Developments

13.41 CETC

13.41.1 CETC 48 Company Information

13.41.2 CETC 48 SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

13.41.3 CETC 48 SiC & GaN Device Wafer Front-End Equipment Sales, Revenue, Price and Gross Margin (2019-2024)

13.41.4 CETC 48 Main Business Overview

13.41.5 CETC 48 Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. SiC & GaN Device Wafer Front-End Equipment Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. SiC & GaN Device Wafer Front-End Equipment Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of SiC & GaN Epitaxy Equipment

Table 4. Major Players of SiC & GaN Etch and Clean Equipment

Table 5. Major Players of SiC & GaN Ion Implanter

Table 6. Major Players of SiC & GaN Anneal and Oxidation Equipment

Table 7. Major Players of SiC & GaN Wafer Thinning/CMP Tools

Table 8. Major Players of SiC & GaN Metrology and Inspection Equipment

Table 9. Global SiC & GaN Device Wafer Front-End Equipment Sales by Type (2019-2024) & (Units)

Table 10. Global SiC & GaN Device Wafer Front-End Equipment Sales Market Share by Type (2019-2024)

Table 11. Global SiC & GaN Device Wafer Front-End Equipment Revenue by Type (2019-2024) & (\$ million)

Table 12. Global SiC & GaN Device Wafer Front-End Equipment Revenue Market Share by Type (2019-2024)

Table 13. Global SiC & GaN Device Wafer Front-End Equipment Sale Price by Type (2019-2024) & (US\$/Unit)

Table 14. Global SiC & GaN Device Wafer Front-End Equipment Sale by Application (2019-2024) & (Units)

Table 15. Global SiC & GaN Device Wafer Front-End Equipment Sale Market Share by Application (2019-2024)

Table 16. Global SiC & GaN Device Wafer Front-End Equipment Revenue by Application (2019-2024) & (\$ million)

Table 17. Global SiC & GaN Device Wafer Front-End Equipment Revenue Market Share by Application (2019-2024)

Table 18. Global SiC & GaN Device Wafer Front-End Equipment Sale Price by Application (2019-2024) & (US\$/Unit)

Table 19. Global SiC & GaN Device Wafer Front-End Equipment Sales by Company (2019-2024) & (Units)

Table 20. Global SiC & GaN Device Wafer Front-End Equipment Sales Market Share by Company (2019-2024)

Table 21. Global SiC & GaN Device Wafer Front-End Equipment Revenue by Company

(2019-2024) & (\$ millions)

Table 22. Global SiC & GaN Device Wafer Front-End Equipment Revenue Market Share by Company (2019-2024)

Table 23. Global SiC & GaN Device Wafer Front-End Equipment Sale Price by Company (2019-2024) & (US\$/Unit)

Table 24. Key Manufacturers SiC & GaN Device Wafer Front-End Equipment Producing Area Distribution and Sales Area

Table 25. Players SiC & GaN Device Wafer Front-End Equipment Products Offered

Table 26. SiC & GaN Device Wafer Front-End Equipment Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 27. New Products and Potential Entrants

Table 28. Market M&A Activity & Strategy

Table 29. Global SiC & GaN Device Wafer Front-End Equipment Sales by Geographic Region (2019-2024) & (Units)

Table 30. Global SiC & GaN Device Wafer Front-End Equipment Sales Market Share Geographic Region (2019-2024)

Table 31. Global SiC & GaN Device Wafer Front-End Equipment Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 32. Global SiC & GaN Device Wafer Front-End Equipment Revenue Market Share by Geographic Region (2019-2024)

Table 33. Global SiC & GaN Device Wafer Front-End Equipment Sales by Country/Region (2019-2024) & (Units)

Table 34. Global SiC & GaN Device Wafer Front-End Equipment Sales Market Share by Country/Region (2019-2024)

Table 35. Global SiC & GaN Device Wafer Front-End Equipment Revenue by Country/Region (2019-2024) & (\$ millions)

Table 36. Global SiC & GaN Device Wafer Front-End Equipment Revenue Market Share by Country/Region (2019-2024)

Table 37. Americas SiC & GaN Device Wafer Front-End Equipment Sales by Country (2019-2024) & (Units)

Table 38. Americas SiC & GaN Device Wafer Front-End Equipment Sales Market Share by Country (2019-2024)

Table 39. Americas SiC & GaN Device Wafer Front-End Equipment Revenue by Country (2019-2024) & (\$ millions)

Table 40. Americas SiC & GaN Device Wafer Front-End Equipment Sales by Type (2019-2024) & (Units)

Table 41. Americas SiC & GaN Device Wafer Front-End Equipment Sales by Application (2019-2024) & (Units)

Table 42. APAC SiC & GaN Device Wafer Front-End Equipment Sales by Region

(2019-2024) & (Units)

Table 43. APAC SiC & GaN Device Wafer Front-End Equipment Sales Market Share by Region (2019-2024)

Table 44. APAC SiC & GaN Device Wafer Front-End Equipment Revenue by Region (2019-2024) & (\$ millions)

Table 45. APAC SiC & GaN Device Wafer Front-End Equipment Sales by Type (2019-2024) & (Units)

Table 46. APAC SiC & GaN Device Wafer Front-End Equipment Sales by Application (2019-2024) & (Units)

Table 47. Europe SiC & GaN Device Wafer Front-End Equipment Sales by Country (2019-2024) & (Units)

Table 48. Europe SiC & GaN Device Wafer Front-End Equipment Revenue by Country (2019-2024) & (\$ millions)

Table 49. Europe SiC & GaN Device Wafer Front-End Equipment Sales by Type (2019-2024) & (Units)

Table 50. Europe SiC & GaN Device Wafer Front-End Equipment Sales by Application (2019-2024) & (Units)

Table 51. Middle East & Africa SiC & GaN Device Wafer Front-End Equipment Sales by Country (2019-2024) & (Units)

Table 52. Middle East & Africa SiC & GaN Device Wafer Front-End Equipment Revenue Market Share by Country (2019-2024)

Table 53. Middle East & Africa SiC & GaN Device Wafer Front-End Equipment Sales by Type (2019-2024) & (Units)

Table 54. Middle East & Africa SiC & GaN Device Wafer Front-End Equipment Sales by Application (2019-2024) & (Units)

Table 55. Key Market Drivers & Growth Opportunities of SiC & GaN Device Wafer Front-End Equipment

Table 56. Key Market Challenges & Risks of SiC & GaN Device Wafer Front-End Equipment

Table 57. Key Industry Trends of SiC & GaN Device Wafer Front-End Equipment

Table 58. SiC & GaN Device Wafer Front-End Equipment Raw Material

Table 59. Key Suppliers of Raw Materials

Table 60. SiC & GaN Device Wafer Front-End Equipment Distributors List

Table 61. SiC & GaN Device Wafer Front-End Equipment Customer List

Table 62. Global SiC & GaN Device Wafer Front-End Equipment Sales Forecast by Region (2025-2030) & (Units)

Table 63. Global SiC & GaN Device Wafer Front-End Equipment Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 64. Americas SiC & GaN Device Wafer Front-End Equipment Sales Forecast by

Country (2025-2030) & (Units)

Table 65. Americas SiC & GaN Device Wafer Front-End Equipment Annual Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 66. APAC SiC & GaN Device Wafer Front-End Equipment Sales Forecast by Region (2025-2030) & (Units)

Table 67. APAC SiC & GaN Device Wafer Front-End Equipment Annual Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 68. Europe SiC & GaN Device Wafer Front-End Equipment Sales Forecast by Country (2025-2030) & (Units)

Table 69. Europe SiC & GaN Device Wafer Front-End Equipment Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 70. Middle East & Africa SiC & GaN Device Wafer Front-End Equipment Sales Forecast by Country (2025-2030) & (Units)

Table 71. Middle East & Africa SiC & GaN Device Wafer Front-End Equipment Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 72. Global SiC & GaN Device Wafer Front-End Equipment Sales Forecast by Type (2025-2030) & (Units)

Table 73. Global SiC & GaN Device Wafer Front-End Equipment Revenue Forecast by Type (2025-2030) & (\$ millions)

Table 74. Global SiC & GaN Device Wafer Front-End Equipment Sales Forecast by Application (2025-2030) & (Units)

Table 75. Global SiC & GaN Device Wafer Front-End Equipment Revenue Forecast by Application (2025-2030) & (\$ millions)

Table 76. Applied Materials Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 77. Applied Materials SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 78. Applied Materials SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 79. Applied Materials Main Business

Table 80. Applied Materials Latest Developments

Table 81. Lam Research Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 82. Lam Research SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 83. Lam Research SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 84. Lam Research Main Business

Table 85. Lam Research Latest Developments

Table 86. Mattson Technology, Inc. Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 87. Mattson Technology, Inc. SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 88. Mattson Technology, Inc. SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 89. Mattson Technology, Inc. Main Business

Table 90. Mattson Technology, Inc. Latest Developments

Table 91. SPTS Technologies Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 92. SPTS Technologies SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 93. SPTS Technologies SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 94. SPTS Technologies Main Business

Table 95. SPTS Technologies Latest Developments

Table 96. Oxford Instruments Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 97. Oxford Instruments SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 98. Oxford Instruments SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 99. Oxford Instruments Main Business

Table 100. Oxford Instruments Latest Developments

Table 101. Trymax Semiconductor Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 102. Trymax Semiconductor SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 103. Trymax Semiconductor SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 104. Trymax Semiconductor Main Business

Table 105. Trymax Semiconductor Latest Developments

Table 106. SCREEN Semiconductor Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 107. SCREEN Semiconductor SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 108. SCREEN Semiconductor SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 109. SCREEN Semiconductor Main Business

Table 110. SCREEN Semiconductor Latest Developments

Table 111. Tokyo Electron Ltd (TEL) Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 112. Tokyo Electron Ltd (TEL) SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 113. Tokyo Electron Ltd (TEL) SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 114. Tokyo Electron Ltd (TEL) Main Business

Table 115. Tokyo Electron Ltd (TEL) Latest Developments

Table 116. ULVAC Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 117. ULVAC SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 118. ULVAC SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 119. ULVAC Main Business

Table 120. ULVAC Latest Developments

Table 121. Panasonic Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 122. Panasonic SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 123. Panasonic SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 124. Panasonic Main Business

Table 125. Panasonic Latest Developments

Table 126. Axcelis Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 127. Axcelis SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 128. Axcelis SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 129. Axcelis Main Business

Table 130. Axcelis Latest Developments

Table 131. Ion Beam Services (IBS) Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 132. Ion Beam Services (IBS) SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 133. Ion Beam Services (IBS) SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 134. Ion Beam Services (IBS) Main Business

Table 135. Ion Beam Services (IBS) Latest Developments

Table 136. Kokusai Electric Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 137. Kokusai Electric SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 138. Kokusai Electric SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 139. Kokusai Electric Main Business

Table 140. Kokusai Electric Latest Developments

Table 141. Nissin Ion Equipment USA, Inc Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 142. Nissin Ion Equipment USA, Inc SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 143. Nissin Ion Equipment USA, Inc SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 144. Nissin Ion Equipment USA, Inc Main Business

Table 145. Nissin Ion Equipment USA, Inc Latest Developments

Table 146. Sumitomo Heavy Industries, Ltd. Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 147. Sumitomo Heavy Industries, Ltd. SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 148. Sumitomo Heavy Industries, Ltd. SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 149. Sumitomo Heavy Industries, Ltd. Main Business

Table 150. Sumitomo Heavy Industries, Ltd. Latest Developments

Table 151. PR Hoffman, Inc. Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 152. PR Hoffman, Inc. SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 153. PR Hoffman, Inc. SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 154. PR Hoffman, Inc. Main Business

Table 155. PR Hoffman, Inc. Latest Developments

Table 156. Revasum Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 157. Revasum SiC & GaN Device Wafer Front-End Equipment Product Portfolios

and Specifications

Table 158. Revasum SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 159. Revasum Main Business

Table 160. Revasum Latest Developments

Table 161. Logitech Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 162. Logitech SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 163. Logitech SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 164. Logitech Main Business

Table 165. Logitech Latest Developments

Table 166. DISCO Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 167. DISCO SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 168. DISCO SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 169. DISCO Main Business

Table 170. DISCO Latest Developments

Table 171. TOKYO SEIMITSU (ACCRETECH) Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 172. TOKYO SEIMITSU (ACCRETECH) SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 173. TOKYO SEIMITSU (ACCRETECH) SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 174. TOKYO SEIMITSU (ACCRETECH) Main Business

Table 175. TOKYO SEIMITSU (ACCRETECH) Latest Developments

Table 176. Okamoto Machine Tool Works, Ltd. Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 177. Okamoto Machine Tool Works, Ltd. SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 178. Okamoto Machine Tool Works, Ltd. SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 179. Okamoto Machine Tool Works, Ltd. Main Business

Table 180. Okamoto Machine Tool Works, Ltd. Latest Developments

Table 181. KLA Corporation Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 182. KLA Corporation SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 183. KLA Corporation SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 184. KLA Corporation Main Business

Table 185. KLA Corporation Latest Developments

Table 186. Onto Innovation Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 187. Onto Innovation SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 188. Onto Innovation SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 189. Onto Innovation Main Business

Table 190. Onto Innovation Latest Developments

Table 191. Semilab Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 192. Semilab SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 193. Semilab SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 194. Semilab Main Business

Table 195. Semilab Latest Developments

Table 196. Camtek Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 197. Camtek SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 198. Camtek SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 199. Camtek Main Business

Table 200. Camtek Latest Developments

Table 201. Unity Semiconductor SAS Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 202. Unity Semiconductor SAS SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 203. Unity Semiconductor SAS SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 204. Unity Semiconductor SAS Main Business

Table 205. Unity Semiconductor SAS Latest Developments

Table 206. PVA TePla Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 207. PVA TePla SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 208. PVA TePla SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 209. PVA TePla Main Business

Table 210. PVA TePla Latest Developments

Table 211. Lasertec Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 212. Lasertec SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 213. Lasertec SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 214. Lasertec Main Business

Table 215. Lasertec Latest Developments

Table 216. Veeco Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 217. Veeco SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 218. Veeco SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 219. Veeco Main Business

Table 220. Veeco Latest Developments

Table 221. Aixtron Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 222. Aixtron SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 223. Aixtron SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 224. Aixtron Main Business

Table 225. Aixtron Latest Developments

Table 226. Thermco Systems Limited Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 227. Thermco Systems Limited SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 228. Thermco Systems Limited SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 229. Thermco Systems Limited Main Business
Table 230. Thermco Systems Limited Latest Developments
Table 231. ASM International NV Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors
Table 232. ASM International NV SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
Table 233. ASM International NV SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)
Table 234. ASM International NV Main Business
Table 235. ASM International NV Latest Developments
Table 236. NuFlare Technology, Inc. Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors
Table 237. NuFlare Technology, Inc. SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
Table 238. NuFlare Technology, Inc. SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)
Table 239. NuFlare Technology, Inc. Main Business
Table 240. NuFlare Technology, Inc. Latest Developments
Table 241. Naura Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors
Table 242. Naura SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
Table 243. Naura SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)
Table 244. Naura Main Business
Table 245. Naura Latest Developments
Table 246. GMC Semitech Co.,Ltd Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors
Table 247. GMC Semitech Co.,Ltd SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
Table 248. GMC Semitech Co.,Ltd SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)
Table 249. GMC Semitech Co.,Ltd Main Business
Table 250. GMC Semitech Co.,Ltd Latest Developments
Table 251. Kingstone Semiconductor Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors
Table 252. Kingstone Semiconductor SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications
Table 253. Kingstone Semiconductor SiC & GaN Device Wafer Front-End Equipment

Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 254. Kingstone Semiconductor Main Business

Table 255. Kingstone Semiconductor Latest Developments

Table 256. Hwatsing Technology Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 257. Hwatsing Technology SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 258. Hwatsing Technology SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 259. Hwatsing Technology Main Business

Table 260. Hwatsing Technology Latest Developments

Table 261. Angkun Vision (Beijing) Technology Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 262. Angkun Vision (Beijing) Technology SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 263. Angkun Vision (Beijing) Technology SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 264. Angkun Vision (Beijing) Technology Main Business

Table 265. Angkun Vision (Beijing) Technology Latest Developments

Table 266. Shanghai Bangxin Semi Technology Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 267. Shanghai Bangxin Semi Technology SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 268. Shanghai Bangxin Semi Technology SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 269. Shanghai Bangxin Semi Technology Main Business

Table 270. Shanghai Bangxin Semi Technology Latest Developments

Table 271. Jingsheng Electromechanical Basic Information, SiC & GaN Device Wafer Front-End Equipment Manufacturing Base, Sales Area and Its Competitors

Table 272. Jingsheng Electromechanical SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 273. Jingsheng Electromechanical SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 274. Jingsheng Electromechanical Main Business

Table 275. Jingsheng Electromechanical Latest Developments

Table 276. CETC 48 Basic Information, SiC & GaN Device Wafer Front-End Equipment

Manufacturing Base, Sales Area and Its Competitors

Table 277. CETC 48 SiC & GaN Device Wafer Front-End Equipment Product Portfolios and Specifications

Table 278. CETC 48 SiC & GaN Device Wafer Front-End Equipment Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 279. CETC 48 Main Business

Table 280. CETC 48 Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of SiC & GaN Device Wafer Front-End Equipment
- Figure 2. SiC & GaN Device Wafer Front-End Equipment Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global SiC & GaN Device Wafer Front-End Equipment Sales Growth Rate 2019-2030 (Units)
- Figure 7. Global SiC & GaN Device Wafer Front-End Equipment Revenue Growth Rate 2019-2030 (\$ millions)
- Figure 8. SiC & GaN Device Wafer Front-End Equipment Sales by Geographic Region (2019, 2023 & 2030) & (\$ millions)
- Figure 9. SiC & GaN Device Wafer Front-End Equipment Sales Market Share by Country/Region (2023)
- Figure 10. SiC & GaN Device Wafer Front-End Equipment Sales Market Share by Country/Region (2019, 2023 & 2030)
- Figure 11. Product Picture of SiC & GaN Epitaxy Equipment
- Figure 12. Product Picture of SiC & GaN Etch and Clean Equipment
- Figure 13. Product Picture of SiC & GaN Ion Implanter
- Figure 14. Product Picture of SiC & GaN Anneal and Oxidation Equipment
- Figure 15. Product Picture of SiC & GaN Wafer Thinning/CMP Tools
- Figure 16. Product Picture of SiC & GaN Metrology and Inspection Equipment
- Figure 17. Global SiC & GaN Device Wafer Front-End Equipment Sales Market Share by Type in 2023
- Figure 18. Global SiC & GaN Device Wafer Front-End Equipment Revenue Market Share by Type (2019-2024)
- Figure 19. SiC & GaN Device Wafer Front-End Equipment Consumed in SiC Semiconductor Devices
- Figure 20. Global SiC & GaN Device Wafer Front-End Equipment Market: SiC Semiconductor Devices (2019-2024) & (Units)
- Figure 21. SiC & GaN Device Wafer Front-End Equipment Consumed in GaN Semiconductor Devices
- Figure 22. Global SiC & GaN Device Wafer Front-End Equipment Market: GaN Semiconductor Devices (2019-2024) & (Units)
- Figure 23. Global SiC & GaN Device Wafer Front-End Equipment Sale Market Share by Application (2023)

Figure 24. Global SiC & GaN Device Wafer Front-End Equipment Revenue Market Share by Application in 2023

Figure 25. SiC & GaN Device Wafer Front-End Equipment Sales by Company in 2023 (Units)

Figure 26. Global SiC & GaN Device Wafer Front-End Equipment Sales Market Share by Company in 2023

Figure 27. SiC & GaN Device Wafer Front-End Equipment Revenue by Company in 2023 (\$ millions)

Figure 28. Global SiC & GaN Device Wafer Front-End Equipment Revenue Market Share by Company in 2023

Figure 29. Global SiC & GaN Device Wafer Front-End Equipment Sales Market Share by Geographic Region (2019-2024)

Figure 30. Global SiC & GaN Device Wafer Front-End Equipment Revenue Market Share by Geographic Region in 2023

Figure 31. Americas SiC & GaN Device Wafer Front-End Equipment Sales 2019-2024 (Units)

Figure 32. Americas SiC & GaN Device Wafer Front-End Equipment Revenue 2019-2024 (\$ millions)

Figure 33. APAC SiC & GaN Device Wafer Front-End Equipment Sales 2019-2024 (Units)

Figure 34. APAC SiC & GaN Device Wafer Front-End Equipment Revenue 2019-2024 (\$ millions)

Figure 35. Europe SiC & GaN Device Wafer Front-End Equipment Sales 2019-2024 (Units)

Figure 36. Europe SiC & GaN Device Wafer Front-End Equipment Revenue 2019-2024 (\$ millions)

Figure 37. Middle East & Africa SiC & GaN Device Wafer Front-End Equipment Sales 2019-2024 (Units)

Figure 38. Middle East & Africa SiC & GaN Device Wafer Front-End Equipment Revenue 2019-2024 (\$ millions)

Figure 39. Americas SiC & GaN Device Wafer Front-End Equipment Sales Market Share by Country in 2023

Figure 40. Americas SiC & GaN Device Wafer Front-End Equipment Revenue Market Share by Country (2019-2024)

Figure 41. Americas SiC & GaN Device Wafer Front-End Equipment Sales Market Share by Type (2019-2024)

Figure 42. Americas SiC & GaN Device Wafer Front-End Equipment Sales Market Share by Application (2019-2024)

Figure 43. United States SiC & GaN Device Wafer Front-End Equipment Revenue

Growth 2019-2024 (\$ millions)

Figure 44. Canada SiC & GaN Device Wafer Front-End Equipment Revenue Growth 2019-2024 (\$ millions)

Figure 45. Mexico SiC & GaN Device Wafer Front-End Equipment Revenue Growth 2019-2024 (\$ millions)

Figure 46. Brazil SiC & GaN Device Wafer Front-End Equipment Revenue Growth 2019-2024 (\$ millions)

Figure 47. APAC SiC & GaN Device Wafer Front-End Equipment Sales Market Share

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