+357 96 030922
info@marketpublishers.com

Global SiC Basal-Plane-Dislocation Inspection System Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/G4211F157A90EN.html
Date: November 2026
Pages: 133
Price: US$ 3,480.00 (Single User License)
ID: G4211F157A90EN

Abstracts

According to our (Global Info Research) latest study, the global SiC Basal-Plane-Dislocation Inspection System market size was valued at US$ 131 million in 2025 and is forecast to a readjusted size of US$ 310 million by 2032 with a CAGR of 12.9% during review period.

The SiC Basal-Plane-Dislocation Inspection System market covers specialized semiconductor inspection equipment used to detect, identify, classify, locate, map and quantify basal plane dislocations in silicon carbide substrates, polished wafers, epitaxial wafers and wafer states associated with device reliability evaluation. The principal commercial configurations include photoluminescence-based wafer inspection systems using ultraviolet or near-ultraviolet excitation, X-ray topography and X-ray diffraction imaging platforms, automated optical inspection systems for chemically revealed dislocations, electron-based inspection platforms, nonlinear or transient optical inspection systems, and emerging defect-activation systems designed to visualize BPD-related reliability risks. Production-oriented systems typically integrate precision wafer handling, excitation and detection modules, automated defect classification, full-wafer mapping, recipe management and factory automation interfaces. Their principal applications extend from SiC crystal and substrate development to substrate outgoing quality control, incoming wafer inspection, epitaxial process monitoring, device manufacturing process control and reliability evaluation. The market increasingly emphasizes non-destructive inspection, repeatable BPD classification, wafer-level mapping, high throughput and compatibility with 150 mm and 200 mm SiC manufacturing, while selected advanced platforms are extending support toward larger wafer formats and fab-level automation.

+357 96 030922
info@marketpublishers.com

Key Findings

In 2025, global SiC Basal-Plane-Dislocation Inspection System production reached approximately 135 Units.The average price is approximately $940,000

PL/UV-PL and X-ray topography are the leading non-destructive routes, while etched-wafer AOI retains a role in selected workflows

Japan has the deepest mature supplier base, while China has the fastest-expanding pool of domestic SiC BPD inspection equipment entrants

Market Trends

The SiC Basal-Plane-Dislocation Inspection System industry is shifting from laboratory-oriented defect characterization toward automated production process control. The most important product transition is from destructive or offline inspection toward non-destructive full-wafer measurement, higher throughput and automatic defect classification. Modern PL platforms increasingly combine surface inspection, photoluminescence inspection, high-resolution review and algorithm-based classification within one tool, enabling the same platform to support incoming and outgoing wafer inspection as well as epitaxial and polishing process monitoring. X-ray topography is also moving from research laboratories toward near-fab and fully automated fab configurations, with current production platforms supporting wafer automation, defect mapping, standardized reporting and wafers up to 300 mm. A second important direction is the expansion of BPD inspection from identifying existing crystallographic defects toward evaluating latent reliability risks. Newly introduced UV-laser-based approaches can intentionally expand and visualize latent BPD-related defects at wafer level, strengthening the connection between material inspection, process optimization and device reliability engineering.

Market Dynamics

Drivers

Growth in the SiC Basal-Plane-Dislocation Inspection System market is primarily supported by increasing requirements for wafer quality, device yield and long-term reliability as SiC manufacturing scales. BPDs are technically important because their presence and subsequent defect evolution can affect the performance and reliability of

+357 96 030922
info@marketpublishers.com

power semiconductor devices, increasing the economic value of identifying problematic material before additional epitaxy and device-processing costs are incurred. The transition toward higher-volume 200 mm manufacturing further raises the value at risk per wafer and encourages more intensive inspection at substrate outgoing QC, incoming wafer QC and epitaxial process-control stages. At the equipment level, improvements in inspection speed, automatic defect classification, full-wafer mapping and fab automation are reducing the operational burden of crystallographic defect inspection and making these tools more suitable for production environments rather than laboratory use alone. The broader adoption of SiC devices in automotive power electronics, industrial power conversion, renewable-energy systems and other high-efficiency applications consequently provides an underlying demand base for increasingly rigorous crystal-defect management.

Restraints

The market remains constrained by its highly specialized application scope and relatively high equipment cost. BPD inspection represents only one component of the broader SiC wafer inspection and metrology workflow, and customers may favor multifunction platforms capable of detecting several defect classes simultaneously rather than purchasing equipment dedicated to a single defect mechanism. Different inspection technologies also produce different signal characteristics, detection sensitivities and classification results, making direct tool-to-tool comparison difficult and increasing qualification requirements at customer fabs. Production-level X-ray, high-sensitivity PL and other advanced systems require sophisticated optics, detectors, wafer handling, software and defect-analysis algorithms, which limit the number of qualified suppliers and increase system ASP. In addition, SiC capital expenditure remains cyclical. Periods of slower substrate capacity expansion, inventory correction or delayed 200 mm production ramps can postpone equipment purchases even when the underlying technical need for BPD inspection remains unchanged.

Opportunities

The largest opportunities are associated with 200 mm production expansion, non-destructive replacement of selected destructive inspection workflows and the integration of BPD information with downstream electrical and reliability data. Equipment capable of combining high-throughput wafer mapping with automated classification can move further upstream into substrate outgoing QC and further downstream into epitaxial and device-process monitoring, increasing the number of inspection points per wafer.

+357 96 030922
info@marketpublishers.com

Another emerging opportunity is latent-defect and reliability-oriented inspection. In 2026, Tokyo Electron Device and ITES announced the ITS-SCX100, which uses UV-laser irradiation to expand and visualize latent BPDs across SiC wafers and is designed to shorten evaluation cycles associated with current-stress degradation. This illustrates a broader opportunity for inspection suppliers to move beyond defect counting toward correlation of wafer maps with electrical characteristics, process conditions and reliability outcomes. China also offers a structural opportunity as domestic SiC substrate, epitaxy and device capacity expands and local equipment suppliers advance from laboratory prototypes to customer validation and commercial deployment.

Challenges

The principal challenge is converting strong laboratory defect-detection capability into repeatable high-volume manufacturing performance. BPD signals can vary with wafer condition, epitaxial structure, preparation method and inspection physics, so suppliers must demonstrate stable detection sensitivity, low false-positive and false-negative rates, accurate classification and consistent wafer-to-wafer repeatability. Customers increasingly expect systems to integrate with automated material handling, production databases and fab communication protocols while maintaining acceptable throughput and cost of ownership. Competition between PL, X-ray, etched-wafer optical inspection and emerging nonlinear or transient optical methods also creates technology-selection uncertainty, particularly because no single route optimizes sensitivity, throughput, non-destructive operation, subsurface information and equipment cost simultaneously. Finally, the relatively limited absolute size of this specialized market can make sustained R&D investment difficult for smaller suppliers, increasing the importance of adjacent SiC inspection applications, customer partnerships and broader compound-semiconductor equipment portfolios.

Industry Chain Analysis

The upstream portion of the SiC Basal-Plane-Dislocation Inspection System industry includes optical excitation sources, lasers, X-ray sources and optics, high-sensitivity cameras and detectors, spectrometers, precision motion stages, wafer handling modules, control electronics, industrial computers and image-processing software. The technical performance of these components directly affects detection sensitivity, spatial resolution, throughput and tool stability. Specialized defect-classification algorithms and wafer-mapping software are increasingly important sources of value because a

+357 96 030922
info@marketpublishers.com

commercially useful system must distinguish BPDs from TSD, TED, stacking faults, micropipes and other crystallographic or surface defects rather than merely generate an image. In the midstream, equipment manufacturers integrate these hardware and software components into laboratory, near-fab or automated production platforms and undertake calibration, recipe development, defect correlation, application engineering and customer qualification.

Downstream customers are primarily SiC crystal and substrate manufacturers, epitaxial wafer producers, power semiconductor manufacturers, integrated device manufacturers and specialized R&D or reliability laboratories. Value creation progressively shifts from hardware assembly toward application knowledge as the equipment moves closer to production. The ability to correlate BPD maps with crystal-growth conditions, polishing processes, epitaxy results, device yield and reliability performance can create substantial customer switching costs and recurring software, service and application-support value. High-end non-destructive systems generally command higher pricing because of their sophisticated excitation/detection architecture and automation, while etched-wafer AOI can provide a lower-cost route for specific quality-control workflows.

Segment Insights

By inspection technology, photoluminescence and X-ray topography represent the most established non-destructive segments for production-oriented BPD inspection. PL systems benefit from relatively high scanning speed and the ability to combine BPD or stacking-fault inspection with other optical defect channels, making them particularly suitable for substrate and epitaxial wafer quality control. Current production platforms increasingly integrate high-resolution review and automatic defect classification, improving their value as multifunction SiC inspection tools. X-ray topography provides a complementary advantage because it directly probes crystallographic structure without destructive sample preparation and can map BPD and other dislocations through the wafer. Rigaku's current systems span laboratory, near-fab and fab configurations and support automated BPD/TSD mapping and production-oriented workflows.

Etch-reveal AOI remains commercially relevant where direct visualization of dislocation etch pits, comparatively lower system cost or established correlation with historical quality metrics is required. Electron-based, nonlinear optical and transient optical approaches represent smaller but strategically important segments because they may offer differentiated sensitivity or non-destructive capability. Over the forecast period, the product mix is expected to gradually favor automated non-destructive platforms, while destructive or post-etch inspection remains important for reference measurement,

+357 96 030922
info@marketpublishers.com

process development and selected cost-sensitive applications.

Downstream Market Opportunities

The most attractive downstream opportunity lies in embedding BPD inspection more deeply into the SiC manufacturing flow rather than limiting it to occasional material characterization. Substrate manufacturers can use full-wafer BPD mapping to optimize crystal growth, wafer selection and outgoing quality control, while epitaxy suppliers and device manufacturers can use incoming inspection and process monitoring to identify high-risk wafers before substantial downstream value is added. Lasertec's current SiC inspection platform, for example, positions BPD/SF inspection across bare-wafer and epitaxial-wafer incoming and outgoing inspection as well as epitaxy, polishing and device-manufacturing process management, illustrating the widening production use case. Reliability-oriented applications offer an additional growth layer as device manufacturers seek to connect crystallographic defect distributions with electrical degradation and long-term field performance, particularly for automotive and industrial power devices where qualification requirements are stringent.

Regional Insights

Japan currently represents the most developed supplier cluster for SiC Basal-Plane-Dislocation Inspection System technologies, supported by a broad combination of semiconductor inspection, optical instrumentation, X-ray metrology and compound-semiconductor process expertise. The region contains several established suppliers across PL, X-ray, electron-based and emerging reliability-inspection routes, giving Japanese vendors particularly broad technology coverage. North America represents another important high-value market and supplier base, characterized by large process-control and analytical-instrument companies with global customer networks. Europe has strong underlying expertise in X-ray and optical characterization but a smaller number of dedicated commercial BPD inspection system suppliers, while Taiwan and Southeast Asia are represented primarily by specialized equipment vendors.

China is the most dynamic region in terms of new domestic supplier formation. Local equipment companies are increasingly developing SiC PL inspection, etched-wafer AOI, automated defect classification and alternative optical techniques as domestic substrate, epitaxy and power-device investment expands. The current gap with leading international suppliers is more evident in global installed base, long-term process correlation and extensive production validation than in the breadth of technical routes

+357 96 030922
info@marketpublishers.com

being explored. South Korea retains important compound-semiconductor inspection expertise, although industry consolidation has changed the independent supplier structure: HORIBA completed its acquisition of EtaMax in April 2025 to strengthen wafer inspection capabilities for next-generation power semiconductors.

Competitive Landscape Analysis

The SiC Basal-Plane-Dislocation Inspection System market has a relatively concentrated core of established production-equipment suppliers surrounded by a broader group of specialized and emerging vendors. Lasertec, KLA, Rigaku, Toray Engineering/TASMIT, Onto Innovation and other established semiconductor inspection and metrology companies compete primarily through detection performance, throughput, production automation, installed base and integration with customer process-control workflows. Specialist suppliers differentiate through particular physical approaches, including X-ray diffraction imaging, nonlinear optics, etched-wafer automatic inspection and other BPD-sensitive techniques. The competitive structure is therefore technology-diverse rather than dominated by a single standardized architecture. Product development is increasingly focused on simultaneous multi-defect inspection, automatic defect classification, higher throughput, 200 mm production readiness and stronger linkage between wafer-level defect data and device reliability. Industry consolidation is also beginning to reshape the supplier landscape: HORIBA's 2025 acquisition of EtaMax brought an independent Korean wafer inspection equipment developer into a larger global instrumentation group, with HORIBA targeting expansion of its next-generation power-semiconductor wafer inspection business. At the same time, the expanding Chinese equipment pool is increasing competition in local customer qualification, pricing and application customization, while established international suppliers continue to hold advantages in installed base, long-term defect databases and global service capability.

Report Scope

This report is a detailed and comprehensive analysis for global SiC Basal-Plane-Dislocation Inspection System market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type 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

+357 96 030922
info@marketpublishers.com

market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global SiC Basal-Plane-Dislocation Inspection System market size and forecasts, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global SiC Basal-Plane-Dislocation Inspection System market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global SiC Basal-Plane-Dislocation Inspection System market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global SiC Basal-Plane-Dislocation Inspection System market shares of main players, shipments in revenue ($ Million), sales quantity (Units), and ASP (US$/Unit), 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 Basal-Plane-Dislocation Inspection System

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 Basal-Plane-Dislocation Inspection System 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 Lasertec

+357 96 030922
info@marketpublishers.com

Corporation, KLA Corporation, Rigaku Holdings Corporation, Toray Engineering, Onto Innovation, Hitachi High-Tech, Bruker, HORIBA, AK Optics, Spirox, etc.

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

SiC Basal-Plane-Dislocation Inspection System market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market Segmentation

Market segment by Type

Photoluminescence Inspection

X-ray Topography

Etch-Reveal Optical Inspection

Electron-based Inspection

Others

Market segment by Primary Inspection Function

BPD Detection

BPD Classification

BPD Mapping

BPD Density Quantification

Others

+357 96 030922
info@marketpublishers.com

Market segment by Wafer Size Support

Up to 100 mm

150 mm Class

200 mm Class

300 mm-capable

Others

Market segment by Application

Substrate R&D

Substrate Outgoing QC

Incoming Wafer QC

Others

Major players covered

Lasertec Corporation

KLA Corporation

Rigaku Holdings Corporation

Toray Engineering

Onto Innovation

Hitachi High-Tech

+357 96 030922
info@marketpublishers.com

Bruker

HORIBA

AK Optics

Spirox

Nanotronics

Avant Semiconductor

CETC Fenghua

Time Tech Spectra

uInspect

Intego

Zhejiang Shuangyuan

Tokyo Electron Device

ITES

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)

+357 96 030922
info@marketpublishers.com

Chapter Outline

Chapter 1, to describe SiC Basal-Plane-Dislocation Inspection System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of SiC Basal-Plane-Dislocation Inspection System, with price, sales quantity, revenue, and global market share of SiC Basal-Plane-Dislocation Inspection System from 2021 to 2026.

Chapter 3, the SiC Basal-Plane-Dislocation Inspection System competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the SiC Basal-Plane-Dislocation Inspection System 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 Type and by Application, with sales market share and growth rate by Type, 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 Basal-Plane-Dislocation Inspection System market forecast, by regions, by Type, 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 Basal-Plane-Dislocation Inspection System.

Chapter 14 and 15, to describe SiC Basal-Plane-Dislocation Inspection System sales channel, distributors, customers, research findings and conclusion.

+357 96 030922
info@marketpublishers.com

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope
1.2 Market Estimation Caveats and Base Year
1.3 Market Analysis by Type
  1.3.1 Overview: Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Type: 2021 Versus 2025 Versus 2032
  1.3.2 Photoluminescence Inspection
  1.3.3 X-ray Topography
  1.3.4 Etch-Reveal Optical Inspection
  1.3.5 Electron-based Inspection
  1.3.6 Others
1.4 Market Analysis by Primary Inspection Function
  1.4.1 Overview: Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Primary Inspection Function: 2021 Versus 2025 Versus 2032
  1.4.2 BPD Detection
  1.4.3 BPD Classification
  1.4.4 BPD Mapping
  1.4.5 BPD Density Quantification
  1.4.6 Others
1.5 Market Analysis by Wafer Size Support
  1.5.1 Overview: Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Wafer Size Support: 2021 Versus 2025 Versus 2032
  1.5.2 Up to 100 mm
  1.5.3 150 mm Class
  1.5.4 200 mm Class
  1.5.5 300 mm-capable
  1.5.6 Others
1.6 Market Analysis by Application
  1.6.1 Overview: Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Application: 2021 Versus 2025 Versus 2032
  1.6.2 Substrate R&D
  1.6.3 Substrate Outgoing QC
  1.6.4 Incoming Wafer QC
  1.6.5 Others
1.7 Global SiC Basal-Plane-Dislocation Inspection System Market Size & Forecast
  1.7.1 Global SiC Basal-Plane-Dislocation Inspection System Consumption Value

+357 96 030922
info@marketpublishers.com

(2021 & 2025 & 2032)
1.7.2 Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity (2021-2032)
1.7.3 Global SiC Basal-Plane-Dislocation Inspection System Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Lasertec Corporation
2.1.1 Lasertec Corporation Details
2.1.2 Lasertec Corporation Major Business
2.1.3 Lasertec Corporation SiC Basal-Plane-Dislocation Inspection System Product and Services
2.1.4 Lasertec Corporation SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.1.5 Lasertec Corporation Recent Developments/Updates
2.2 KLA Corporation
2.2.1 KLA Corporation Details
2.2.2 KLA Corporation Major Business
2.2.3 KLA Corporation SiC Basal-Plane-Dislocation Inspection System Product and Services
2.2.4 KLA Corporation SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.2.5 KLA Corporation Recent Developments/Updates
2.3 Rigaku Holdings Corporation
2.3.1 Rigaku Holdings Corporation Details
2.3.2 Rigaku Holdings Corporation Major Business
2.3.3 Rigaku Holdings Corporation SiC Basal-Plane-Dislocation Inspection System Product and Services
2.3.4 Rigaku Holdings Corporation SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.3.5 Rigaku Holdings Corporation Recent Developments/Updates
2.4 Toray Engineering
2.4.1 Toray Engineering Details
2.4.2 Toray Engineering Major Business
2.4.3 Toray Engineering SiC Basal-Plane-Dislocation Inspection System Product and Services
2.4.4 Toray Engineering SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

+357 96 030922
info@marketpublishers.com

2.4.5 Toray Engineering Recent Developments/Updates
2.5 Onto Innovation
2.5.1 Onto Innovation Details
2.5.2 Onto Innovation Major Business
2.5.3 Onto Innovation SiC Basal-Plane-Dislocation Inspection System Product and Services
2.5.4 Onto Innovation SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.5.5 Onto Innovation Recent Developments/Updates
2.6 Hitachi High-Tech
2.6.1 Hitachi High-Tech Details
2.6.2 Hitachi High-Tech Major Business
2.6.3 Hitachi High-Tech SiC Basal-Plane-Dislocation Inspection System Product and Services
2.6.4 Hitachi High-Tech SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.6.5 Hitachi High-Tech Recent Developments/Updates
2.7 Bruker
2.7.1 Bruker Details
2.7.2 Bruker Major Business
2.7.3 Bruker SiC Basal-Plane-Dislocation Inspection System Product and Services
2.7.4 Bruker SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.7.5 Bruker Recent Developments/Updates
2.8 HORIBA
2.8.1 HORIBA Details
2.8.2 HORIBA Major Business
2.8.3 HORIBA SiC Basal-Plane-Dislocation Inspection System Product and Services
2.8.4 HORIBA SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.8.5 HORIBA Recent Developments/Updates
2.9 AK Optics
2.9.1 AK Optics Details
2.9.2 AK Optics Major Business
2.9.3 AK Optics SiC Basal-Plane-Dislocation Inspection System Product and Services
2.9.4 AK Optics SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.9.5 AK Optics Recent Developments/Updates
2.10 Spirox

+357 96 030922
info@marketpublishers.com

2.10.1 Spirox Details
2.10.2 Spirox Major Business
2.10.3 Spirox SiC Basal-Plane-Dislocation Inspection System Product and Services
2.10.4 Spirox SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.10.5 Spirox Recent Developments/Updates
2.11 Nanotronics
2.11.1 Nanotronics Details
2.11.2 Nanotronics Major Business
2.11.3 Nanotronics SiC Basal-Plane-Dislocation Inspection System Product and Services
2.11.4 Nanotronics SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.11.5 Nanotronics Recent Developments/Updates
2.12 Avant Semiconductor
2.12.1 Avant Semiconductor Details
2.12.2 Avant Semiconductor Major Business
2.12.3 Avant Semiconductor SiC Basal-Plane-Dislocation Inspection System Product and Services
2.12.4 Avant Semiconductor SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.12.5 Avant Semiconductor Recent Developments/Updates
2.13 CETC Fenghua
2.13.1 CETC Fenghua Details
2.13.2 CETC Fenghua Major Business
2.13.3 CETC Fenghua SiC Basal-Plane-Dislocation Inspection System Product and Services
2.13.4 CETC Fenghua SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.13.5 CETC Fenghua Recent Developments/Updates
2.14 Time Tech Spectra
2.14.1 Time Tech Spectra Details
2.14.2 Time Tech Spectra Major Business
2.14.3 Time Tech Spectra SiC Basal-Plane-Dislocation Inspection System Product and Services
2.14.4 Time Tech Spectra SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.14.5 Time Tech Spectra Recent Developments/Updates
2.15 uInspect

+357 96 030922
info@marketpublishers.com

2.15.1 uInspect Details
2.15.2 uInspect Major Business
2.15.3 uInspect SiC Basal-Plane-Dislocation Inspection System Product and Services
2.15.4 uInspect SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.15.5 uInspect Recent Developments/Updates
2.16 Intego
2.16.1 Intego Details
2.16.2 Intego Major Business
2.16.3 Intego SiC Basal-Plane-Dislocation Inspection System Product and Services
2.16.4 Intego SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.16.5 Intego Recent Developments/Updates
2.17 Zhejiang Shuangyuan
2.17.1 Zhejiang Shuangyuan Details
2.17.2 Zhejiang Shuangyuan Major Business
2.17.3 Zhejiang Shuangyuan SiC Basal-Plane-Dislocation Inspection System Product and Services
2.17.4 Zhejiang Shuangyuan SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.17.5 Zhejiang Shuangyuan Recent Developments/Updates
2.18 Tokyo Electron Device
2.18.1 Tokyo Electron Device Details
2.18.2 Tokyo Electron Device Major Business
2.18.3 Tokyo Electron Device SiC Basal-Plane-Dislocation Inspection System Product and Services
2.18.4 Tokyo Electron Device SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.18.5 Tokyo Electron Device Recent Developments/Updates
2.19 ITES
2.19.1 ITES Details
2.19.2 ITES Major Business
2.19.3 ITES SiC Basal-Plane-Dislocation Inspection System Product and Services
2.19.4 ITES SiC Basal-Plane-Dislocation Inspection System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.19.5 ITES Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: SIC BASAL-PLANE-DISLOCATION INSPECTION SYSTEM BY MANUFACTURER

+357 96 030922
info@marketpublishers.com

3.1 Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Manufacturer (2021-2026)
3.2 Global SiC Basal-Plane-Dislocation Inspection System Revenue by Manufacturer (2021-2026)
3.3 Global SiC Basal-Plane-Dislocation Inspection System Average Price by Manufacturer (2021-2026)
3.4 Market Share Analysis (2025)
3.4.1 Producer Shipments of SiC Basal-Plane-Dislocation Inspection System by Manufacturer Revenue ($MM) and Market Share (%): 2025
3.4.2 Top 3 SiC Basal-Plane-Dislocation Inspection System Manufacturer Market Share in 2025
3.4.3 Top 6 SiC Basal-Plane-Dislocation Inspection System Manufacturer Market Share in 2025
3.5 SiC Basal-Plane-Dislocation Inspection System Market: Overall Company Footprint Analysis
3.5.1 SiC Basal-Plane-Dislocation Inspection System Market: Region Footprint
3.5.2 SiC Basal-Plane-Dislocation Inspection System Market: Company Product Type Footprint
3.5.3 SiC Basal-Plane-Dislocation Inspection System Market: Company Product Application Footprint
3.6 New Market Entrants and Barriers to Market Entry
3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global SiC Basal-Plane-Dislocation Inspection System Market Size by Region
4.1.1 Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Region (2021-2032)
4.1.2 Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Region (2021-2032)
4.1.3 Global SiC Basal-Plane-Dislocation Inspection System Average Price by Region (2021-2032)
4.2 North America SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032)
4.3 Europe SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032)
4.4 Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032)

+357 96 030922
info@marketpublishers.com

4.5 South America SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032)
4.6 Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

5.1 Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2021-2032)
5.2 Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Type (2021-2032)
5.3 Global SiC Basal-Plane-Dislocation Inspection System Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2021-2032)
6.2 Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Application (2021-2032)
6.3 Global SiC Basal-Plane-Dislocation Inspection System Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2021-2032)
7.2 North America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2021-2032)
7.3 North America SiC Basal-Plane-Dislocation Inspection System Market Size by Country
  7.3.1 North America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Country (2021-2032)
  7.3.2 North America SiC Basal-Plane-Dislocation Inspection System Consumption Value by Country (2021-2032)
  7.3.3 United States Market Size and Forecast (2021-2032)
  7.3.4 Canada Market Size and Forecast (2021-2032)
  7.3.5 Mexico Market Size and Forecast (2021-2032)

+357 96 030922
info@marketpublishers.com

8 EUROPE

8.1 Europe SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2021-2032)
8.2 Europe SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2021-2032)
8.3 Europe SiC Basal-Plane-Dislocation Inspection System Market Size by Country
  8.3.1 Europe SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Country (2021-2032)
  8.3.2 Europe SiC Basal-Plane-Dislocation Inspection System Consumption Value by Country (2021-2032)
  8.3.3 Germany Market Size and Forecast (2021-2032)
  8.3.4 France Market Size and Forecast (2021-2032)
  8.3.5 United Kingdom Market Size and Forecast (2021-2032)
  8.3.6 Russia Market Size and Forecast (2021-2032)
  8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2021-2032)
9.2 Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2021-2032)
9.3 Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Market Size by Region
  9.3.1 Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Region (2021-2032)
  9.3.2 Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Consumption Value by Region (2021-2032)
  9.3.3 China Market Size and Forecast (2021-2032)
  9.3.4 Japan Market Size and Forecast (2021-2032)
  9.3.5 South Korea Market Size and Forecast (2021-2032)
  9.3.6 India Market Size and Forecast (2021-2032)
  9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
  9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2021-2032)

+357 96 030922
info@marketpublishers.com

10.2 South America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2021-2032)
10.3 South America SiC Basal-Plane-Dislocation Inspection System Market Size by Country
10.3.1 South America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Country (2021-2032)
10.3.2 South America SiC Basal-Plane-Dislocation Inspection System Consumption Value by Country (2021-2032)
10.3.3 Brazil Market Size and Forecast (2021-2032)
10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2021-2032)
11.2 Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2021-2032)
11.3 Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Market Size by Country
11.3.1 Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Country (2021-2032)
11.3.2 Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Consumption Value by Country (2021-2032)
11.3.3 Turkey Market Size and Forecast (2021-2032)
11.3.4 Egypt Market Size and Forecast (2021-2032)
11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)
11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 SiC Basal-Plane-Dislocation Inspection System Market Drivers
12.2 SiC Basal-Plane-Dislocation Inspection System Market Restraints
12.3 SiC Basal-Plane-Dislocation Inspection System Trends Analysis
12.4 Porters Five Forces Analysis
12.4.1 Threat of New Entrants
12.4.2 Bargaining Power of Suppliers
12.4.3 Bargaining Power of Buyers
12.4.4 Threat of Substitutes
12.4.5 Competitive Rivalry

+357 96 030922
info@marketpublishers.com

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of SiC Basal-Plane-Dislocation Inspection System and Key Manufacturers
13.2 Manufacturing Costs Percentage of SiC Basal-Plane-Dislocation Inspection System
13.3 SiC Basal-Plane-Dislocation Inspection System Production Process
13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel
  14.1.1 Direct to End-User
  14.1.2 Distributors
14.2 SiC Basal-Plane-Dislocation Inspection System Typical Distributors
14.3 SiC Basal-Plane-Dislocation Inspection System Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology
16.2 Research Process and Data Source
16.3 Disclaimer

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Type, (USD Million), 2021 & 2025 & 2032
Table 2. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Primary Inspection Function, (USD Million), 2021 & 2025 & 2032
Table 3. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Wafer Size Support, (USD Million), 2021 & 2025 & 2032
Table 4. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
Table 5. Lasertec Corporation Basic Information, Manufacturing Base and Competitors
Table 6. Lasertec Corporation Major Business
Table 7. Lasertec Corporation SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 8. Lasertec Corporation SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 9. Lasertec Corporation Recent Developments/Updates
Table 10. KLA Corporation Basic Information, Manufacturing Base and Competitors
Table 11. KLA Corporation Major Business
Table 12. KLA Corporation SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 13. KLA Corporation SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 14. KLA Corporation Recent Developments/Updates
Table 15. Rigaku Holdings Corporation Basic Information, Manufacturing Base and Competitors
Table 16. Rigaku Holdings Corporation Major Business
Table 17. Rigaku Holdings Corporation SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 18. Rigaku Holdings Corporation SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 19. Rigaku Holdings Corporation Recent Developments/Updates
Table 20. Toray Engineering Basic Information, Manufacturing Base and Competitors
Table 21. Toray Engineering Major Business

+357 96 030922
info@marketpublishers.com

Table 22. Toray Engineering SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 23. Toray Engineering SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 24. Toray Engineering Recent Developments/Updates
Table 25. Onto Innovation Basic Information, Manufacturing Base and Competitors
Table 26. Onto Innovation Major Business
Table 27. Onto Innovation SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 28. Onto Innovation SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 29. Onto Innovation Recent Developments/Updates
Table 30. Hitachi High-Tech Basic Information, Manufacturing Base and Competitors
Table 31. Hitachi High-Tech Major Business
Table 32. Hitachi High-Tech SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 33. Hitachi High-Tech SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 34. Hitachi High-Tech Recent Developments/Updates
Table 35. Bruker Basic Information, Manufacturing Base and Competitors
Table 36. Bruker Major Business
Table 37. Bruker SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 38. Bruker SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 39. Bruker Recent Developments/Updates
Table 40. HORIBA Basic Information, Manufacturing Base and Competitors
Table 41. HORIBA Major Business
Table 42. HORIBA SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 43. HORIBA SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 44. HORIBA Recent Developments/Updates
Table 45. AK Optics Basic Information, Manufacturing Base and Competitors
Table 46. AK Optics Major Business

+357 96 030922
info@marketpublishers.com

Table 47. AK Optics SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 48. AK Optics SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 49. AK Optics Recent Developments/Updates
Table 50. Spirox Basic Information, Manufacturing Base and Competitors
Table 51. Spirox Major Business
Table 52. Spirox SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 53. Spirox SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 54. Spirox Recent Developments/Updates
Table 55. Nanotronics Basic Information, Manufacturing Base and Competitors
Table 56. Nanotronics Major Business
Table 57. Nanotronics SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 58. Nanotronics SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 59. Nanotronics Recent Developments/Updates
Table 60. Avant Semiconductor Basic Information, Manufacturing Base and Competitors
Table 61. Avant Semiconductor Major Business
Table 62. Avant Semiconductor SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 63. Avant Semiconductor SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 64. Avant Semiconductor Recent Developments/Updates
Table 65. CETC Fenghua Basic Information, Manufacturing Base and Competitors
Table 66. CETC Fenghua Major Business
Table 67. CETC Fenghua SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 68. CETC Fenghua SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 69. CETC Fenghua Recent Developments/Updates
Table 70. Time Tech Spectra Basic Information, Manufacturing Base and Competitors

+357 96 030922
info@marketpublishers.com

Table 71. Time Tech Spectra Major Business
Table 72. Time Tech Spectra SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 73. Time Tech Spectra SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 74. Time Tech Spectra Recent Developments/Updates
Table 75. uInspect Basic Information, Manufacturing Base and Competitors
Table 76. uInspect Major Business
Table 77. uInspect SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 78. uInspect SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 79. uInspect Recent Developments/Updates
Table 80. Intego Basic Information, Manufacturing Base and Competitors
Table 81. Intego Major Business
Table 82. Intego SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 83. Intego SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 84. Intego Recent Developments/Updates
Table 85. Zhejiang Shuangyuan Basic Information, Manufacturing Base and Competitors
Table 86. Zhejiang Shuangyuan Major Business
Table 87. Zhejiang Shuangyuan SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 88. Zhejiang Shuangyuan SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 89. Zhejiang Shuangyuan Recent Developments/Updates
Table 90. Tokyo Electron Device Basic Information, Manufacturing Base and Competitors
Table 91. Tokyo Electron Device Major Business
Table 92. Tokyo Electron Device SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 93. Tokyo Electron Device SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

+357 96 030922
info@marketpublishers.com

Table 94. Tokyo Electron Device Recent Developments/Updates
Table 95. ITES Basic Information, Manufacturing Base and Competitors
Table 96. ITES Major Business
Table 97. ITES SiC Basal-Plane-Dislocation Inspection System Product and Services
Table 98. ITES SiC Basal-Plane-Dislocation Inspection System Sales Quantity (Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 99. ITES Recent Developments/Updates
Table 100. Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Manufacturer (2021-2026) & (Units)
Table 101. Global SiC Basal-Plane-Dislocation Inspection System Revenue by Manufacturer (2021-2026) & (USD Million)
Table 102. Global SiC Basal-Plane-Dislocation Inspection System Average Price by Manufacturer (2021-2026) & (US$/Unit)
Table 103. Market Position of Manufacturers in SiC Basal-Plane-Dislocation Inspection System, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025
Table 104. Head Office and SiC Basal-Plane-Dislocation Inspection System Production Site of Key Manufacturer
Table 105. SiC Basal-Plane-Dislocation Inspection System Market: Company Product Type Footprint
Table 106. SiC Basal-Plane-Dislocation Inspection System Market: Company Product Application Footprint
Table 107. SiC Basal-Plane-Dislocation Inspection System New Market Entrants and Barriers to Market Entry
Table 108. SiC Basal-Plane-Dislocation Inspection System Mergers, Acquisition, Agreements, and Collaborations
Table 109. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR
Table 110. Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Region (2021-2026) & (Units)
Table 111. Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Region (2027-2032) & (Units)
Table 112. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Region (2021-2026) & (USD Million)
Table 113. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Region (2027-2032) & (USD Million)
Table 114. Global SiC Basal-Plane-Dislocation Inspection System Average Price by Region (2021-2026) & (US$/Unit)
Table 115. Global SiC Basal-Plane-Dislocation Inspection System Average Price by

+357 96 030922
info@marketpublishers.com

Region (2027-2032) & (US$/Unit)
Table 116. Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2021-2026) & (Units)
Table 117. Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2027-2032) & (Units)
Table 118. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Type (2021-2026) & (USD Million)
Table 119. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Type (2027-2032) & (USD Million)
Table 120. Global SiC Basal-Plane-Dislocation Inspection System Average Price by Type (2021-2026) & (US$/Unit)
Table 121. Global SiC Basal-Plane-Dislocation Inspection System Average Price by Type (2027-2032) & (US$/Unit)
Table 122. Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2021-2026) & (Units)
Table 123. Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2027-2032) & (Units)
Table 124. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Application (2021-2026) & (USD Million)
Table 125. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Application (2027-2032) & (USD Million)
Table 126. Global SiC Basal-Plane-Dislocation Inspection System Average Price by Application (2021-2026) & (US$/Unit)
Table 127. Global SiC Basal-Plane-Dislocation Inspection System Average Price by Application (2027-2032) & (US$/Unit)
Table 128. North America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2021-2026) & (Units)
Table 129. North America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2027-2032) & (Units)
Table 130. North America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2021-2026) & (Units)
Table 131. North America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2027-2032) & (Units)
Table 132. North America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Country (2021-2026) & (Units)
Table 133. North America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Country (2027-2032) & (Units)
Table 134. North America SiC Basal-Plane-Dislocation Inspection System Consumption Value by Country (2021-2026) & (USD Million)

+357 96 030922
info@marketpublishers.com

Table 135. North America SiC Basal-Plane-Dislocation Inspection System Consumption Value by Country (2027-2032) & (USD Million)
Table 136. Europe SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2021-2026) & (Units)
Table 137. Europe SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2027-2032) & (Units)
Table 138. Europe SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2021-2026) & (Units)
Table 139. Europe SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2027-2032) & (Units)
Table 140. Europe SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Country (2021-2026) & (Units)
Table 141. Europe SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Country (2027-2032) & (Units)
Table 142. Europe SiC Basal-Plane-Dislocation Inspection System Consumption Value by Country (2021-2026) & (USD Million)
Table 143. Europe SiC Basal-Plane-Dislocation Inspection System Consumption Value by Country (2027-2032) & (USD Million)
Table 144. Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2021-2026) & (Units)
Table 145. Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2027-2032) & (Units)
Table 146. Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2021-2026) & (Units)
Table 147. Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2027-2032) & (Units)
Table 148. Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Region (2021-2026) & (Units)
Table 149. Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Region (2027-2032) & (Units)
Table 150. Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Consumption Value by Region (2021-2026) & (USD Million)
Table 151. Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Consumption Value by Region (2027-2032) & (USD Million)
Table 152. South America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2021-2026) & (Units)
Table 153. South America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2027-2032) & (Units)
Table 154. South America SiC Basal-Plane-Dislocation Inspection System Sales

+357 96 030922
info@marketpublishers.com

Quantity by Application (2021-2026) & (Units)
Table 155. South America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2027-2032) & (Units)
Table 156. South America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Country (2021-2026) & (Units)
Table 157. South America SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Country (2027-2032) & (Units)
Table 158. South America SiC Basal-Plane-Dislocation Inspection System Consumption Value by Country (2021-2026) & (USD Million)
Table 159. South America SiC Basal-Plane-Dislocation Inspection System Consumption Value by Country (2027-2032) & (USD Million)
Table 160. Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2021-2026) & (Units)
Table 161. Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Type (2027-2032) & (Units)
Table 162. Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2021-2026) & (Units)
Table 163. Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Application (2027-2032) & (Units)
Table 164. Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Country (2021-2026) & (Units)
Table 165. Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Sales Quantity by Country (2027-2032) & (Units)
Table 166. Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Consumption Value by Country (2021-2026) & (USD Million)
Table 167. Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Consumption Value by Country (2027-2032) & (USD Million)
Table 168. SiC Basal-Plane-Dislocation Inspection System Raw Material
Table 169. Key Manufacturers of SiC Basal-Plane-Dislocation Inspection System Raw Materials
Table 170. SiC Basal-Plane-Dislocation Inspection System Typical Distributors
Table 171. SiC Basal-Plane-Dislocation Inspection System Typical Customers

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1. SiC Basal-Plane-Dislocation Inspection System Picture
Figure 2. Global SiC Basal-Plane-Dislocation Inspection System Revenue by Type, (USD Million), 2021 & 2025 & 2032
Figure 3. Global SiC Basal-Plane-Dislocation Inspection System Revenue Market Share by Type in 2025
Figure 4. Photoluminescence Inspection Examples
Figure 5. X-ray Topography Examples
Figure 6. Etch-Reveal Optical Inspection Examples
Figure 7. Electron-based Inspection Examples
Figure 8. Others Examples
Figure 9. Global SiC Basal-Plane-Dislocation Inspection System Revenue by Primary Inspection Function, (USD Million), 2021 & 2025 & 2032
Figure 10. Global SiC Basal-Plane-Dislocation Inspection System Revenue Market Share by Primary Inspection Function in 2025
Figure 11. BPD Detection Examples
Figure 12. BPD Classification Examples
Figure 13. BPD Mapping Examples
Figure 14. BPD Density Quantification Examples
Figure 15. Others Examples
Figure 16. Global SiC Basal-Plane-Dislocation Inspection System Revenue by Wafer Size Support, (USD Million), 2021 & 2025 & 2032
Figure 17. Global SiC Basal-Plane-Dislocation Inspection System Revenue Market Share by Wafer Size Support in 2025
Figure 18. Up to 100 mm Examples
Figure 19. 150 mm Class Examples
Figure 20. 200 mm Class Examples
Figure 21. 300 mm-capable Examples
Figure 22. Others Examples
Figure 23. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
Figure 24. Global SiC Basal-Plane-Dislocation Inspection System Revenue Market Share by Application in 2025
Figure 25. Substrate R&D Examples
Figure 26. Substrate Outgoing QC Examples
Figure 27. Incoming Wafer QC Examples

+357 96 030922
info@marketpublishers.com

Figure 28. Others Examples
Figure 29. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value, (USD Million): 2021 & 2025 & 2032
Figure 30. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value and Forecast (2021-2032) & (USD Million)
Figure 31. Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity (2021-2032) & (Units)
Figure 32. Global SiC Basal-Plane-Dislocation Inspection System Price (2021-2032) & (US$/Unit)
Figure 33. Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Manufacturer in 2025
Figure 34. Global SiC Basal-Plane-Dislocation Inspection System Revenue Market Share by Manufacturer in 2025
Figure 35. Producer Shipments of SiC Basal-Plane-Dislocation Inspection System by Manufacturer Sales ($MM) and Market Share (%): 2025
Figure 36. Top 3 SiC Basal-Plane-Dislocation Inspection System Manufacturer (Revenue) Market Share in 2025
Figure 37. Top 6 SiC Basal-Plane-Dislocation Inspection System Manufacturer (Revenue) Market Share in 2025
Figure 38. Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Region (2021-2032)
Figure 39. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value Market Share by Region (2021-2032)
Figure 40. North America SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 41. Europe SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 42. Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 43. South America SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 44. Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 45. Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Type (2021-2032)
Figure 46. Global SiC Basal-Plane-Dislocation Inspection System Consumption Value Market Share by Type (2021-2032)
Figure 47. Global SiC Basal-Plane-Dislocation Inspection System Average Price by Type (2021-2032) & (US$/Unit)

+357 96 030922
info@marketpublishers.com

Figure 48. Global SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Application (2021-2032)
Figure 49. Global SiC Basal-Plane-Dislocation Inspection System Revenue Market Share by Application (2021-2032)
Figure 50. Global SiC Basal-Plane-Dislocation Inspection System Average Price by Application (2021-2032) & (US$/Unit)
Figure 51. North America SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Type (2021-2032)
Figure 52. North America SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Application (2021-2032)
Figure 53. North America SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Country (2021-2032)
Figure 54. North America SiC Basal-Plane-Dislocation Inspection System Consumption Value Market Share by Country (2021-2032)
Figure 55. United States SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 56. Canada SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 57. Mexico SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 58. Europe SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Type (2021-2032)
Figure 59. Europe SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Application (2021-2032)
Figure 60. Europe SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Country (2021-2032)
Figure 61. Europe SiC Basal-Plane-Dislocation Inspection System Consumption Value Market Share by Country (2021-2032)
Figure 62. Germany SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 63. France SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 64. United Kingdom SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 65. Russia SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 66. Italy SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 67. Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Sales Quantity

+357 96 030922
info@marketpublishers.com

Market Share by Type (2021-2032)
Figure 68. Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Application (2021-2032)
Figure 69. Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Region (2021-2032)
Figure 70. Asia-Pacific SiC Basal-Plane-Dislocation Inspection System Consumption Value Market Share by Region (2021-2032)
Figure 71. China SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 72. Japan SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 73. South Korea SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 74. India SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 75. Southeast Asia SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 76. Australia SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 77. South America SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Type (2021-2032)
Figure 78. South America SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Application (2021-2032)
Figure 79. South America SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Country (2021-2032)
Figure 80. South America SiC Basal-Plane-Dislocation Inspection System Consumption Value Market Share by Country (2021-2032)
Figure 81. Brazil SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 82. Argentina SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 83. Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Type (2021-2032)
Figure 84. Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Application (2021-2032)
Figure 85. Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Sales Quantity Market Share by Country (2021-2032)
Figure 86. Middle East & Africa SiC Basal-Plane-Dislocation Inspection System Consumption Value Market Share by Country (2021-2032)

+357 96 030922
info@marketpublishers.com

Figure 87. Turkey SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 88. Egypt SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 89. Saudi Arabia SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 90. South Africa SiC Basal-Plane-Dislocation Inspection System Consumption Value (2021-2032) & (USD Million)
Figure 91. SiC Basal-Plane-Dislocation Inspection System Market Drivers
Figure 92. SiC Basal-Plane-Dislocation Inspection System Market Restraints
Figure 93. SiC Basal-Plane-Dislocation Inspection System Market Trends
Figure 94. Porters Five Forces Analysis
Figure 95. Manufacturing Cost Structure Analysis of SiC Basal-Plane-Dislocation Inspection System in 2025
Figure 96. Manufacturing Process Analysis of SiC Basal-Plane-Dislocation Inspection System
Figure 97. SiC Basal-Plane-Dislocation Inspection System Industrial Chain
Figure 98. Sales Channel: Direct to End-User vs Distributors
Figure 99. Direct Channel Pros & Cons
Figure 100. Indirect Channel Pros & Cons
Figure 101. Methodology
Figure 102. Research Process and Data Source

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global SiC Basal-Plane-Dislocation Inspection System Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: https://marketpublishers.com/r/G4211F157A90EN.html

Price: US$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G4211F157A90EN.html