

# Global SiC Wafer Defect Inspection System Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global SiC Wafer Defect Inspection System market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

SiC Wafer Defect Inspection System is a device used in the semiconductor industry to detect and analyze silicon carbide (SiC) wafer defects. SiC wafers are used to produce high power and high temperature electronic devices such as power electronics and radio frequency (RF) devices. Defect inspection systems utilize advanced imaging techniques such as optical microscopy, scanning electron microscopy (SEM), and atomic force microscopy (AFM) to identify and characterize defects on wafer surfaces. These defects may include particles, scratches, pits, cracks and other imperfections that may affect the performance and reliability of electronic devices. The system typically includes software that analyzes the captured images and provides quantitative data on the size, shape and distribution of defects on the wafer. This information is critical for quality control and process optimization during SiC device fabrication. By using defect inspection systems, manufacturers can identify and resolve potential issues early in the production process, reducing yield loss and improving the overall quality of SiC wafers and their manufacturing equipment.

This report studies the global SiC Wafer Defect Inspection System production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for SiC Wafer Defect Inspection System, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of SiC Wafer Defect Inspection

System that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global SiC Wafer Defect Inspection System total production and demand, 2018-2029, (Units)

Global SiC Wafer Defect Inspection System total production value, 2018-2029, (USD Million)

Global SiC Wafer Defect Inspection System production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global SiC Wafer Defect Inspection System consumption by region & country, CAGR, 2018-2029 & (Units)

U.S. VS China: SiC Wafer Defect Inspection System domestic production, consumption, key domestic manufacturers and share

Global SiC Wafer Defect Inspection System production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Units)

Global SiC Wafer Defect Inspection System production by Sensitivity, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global SiC Wafer Defect Inspection System production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units).

This reports profiles key players in the global SiC Wafer Defect Inspection System market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Lasertec, KLA Corporation, Nanotronics, Tokyo Electron, Hitachi, Intego GmbH, Visiontec, YGK Corporation and LAZIN Co, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices

used in analyzing the World SiC Wafer Defect Inspection System market.

#### Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K USD/Unit) by manufacturer, by Sensitivity, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

#### Global SiC Wafer Defect Inspection System Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global SiC Wafer Defect Inspection System Market, Segmentation by Sensitivity

Below 0.1 $\mu$ m

0.1-10 $\mu$ m

#### Global SiC Wafer Defect Inspection System Market, Segmentation by Application

6 Inch Wafer

8 Inch Wafer

12 Inch Wafer

Others

#### Companies Profiled:

Lasertec

KLA Corporation

Nanotronics

Tokyo Electron

Hitachi

Intego GmbH

Visiontec

YGK Corporation

LAZIN Co

Angkun Vision

#### Key Questions Answered

1. How big is the global SiC Wafer Defect Inspection System market?
2. What is the demand of the global SiC Wafer Defect Inspection System market?
3. What is the year over year growth of the global SiC Wafer Defect Inspection System market?

4. What is the production and production value of the global SiC Wafer Defect Inspection System market?
5. Who are the key producers in the global SiC Wafer Defect Inspection System market?
6. What are the growth factors driving the market demand?

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