

Global Semiconductor Inspection and Measurement Equipment Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Semiconductor Inspection and Measurement Equipment market size is expected to reach \$ 17600 million by 2029, rising at a market growth of 4.7% CAGR during the forecast period (2023-2029).

Global key players of semiconductor inspection and measurement equipment include KLA Corporation, Applied Materials, Hitachi High-Technologies, ASML and Onto Innovation. The top five players hold a share over 75%. North America is the largest producer of Semiconductor Inspection and Measurement Equipment. In terms of product type, Defect Inspection Equipment is the largest segment, occupied for a share of 64%, and in terms of application, Wafer has a share about 84 percent.

Semiconductor Inspection and Measurement Equipment are important for the management of the semiconductor manufacturing process. There are 400 to 600 steps in the overall manufacturing process of semiconductor wafers, which are undertaken in the course of one to two months. If any defects occur early on in the process, all the work undertaken in the subsequent time-consuming steps will be wasted. The main segment in the report includes mask inspection, film inspection, optical inspection, wafer defect inspection, macro defect inspection and image wafer inspection, etc.

This report studies the global Semiconductor Inspection and Measurement Equipment production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Semiconductor Inspection and Measurement Equipment, 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 Semiconductor Inspection and Measurement Equipment that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Semiconductor Inspection and Measurement Equipment total production and demand, 2018-2029, (Units)

Global Semiconductor Inspection and Measurement Equipment total production value, 2018-2029, (USD Million)

Global Semiconductor Inspection and Measurement Equipment production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Semiconductor Inspection and Measurement Equipment consumption by region & country, CAGR, 2018-2029 & (Units)

U.S. VS China: Semiconductor Inspection and Measurement Equipment domestic production, consumption, key domestic manufacturers and share

Global Semiconductor Inspection and Measurement Equipment production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Units)

Global Semiconductor Inspection and Measurement Equipment production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Semiconductor Inspection and Measurement Equipment production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units).

This reports profiles key players in the global Semiconductor Inspection and Measurement Equipment 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 KLA Corporation, Applied Materials, Hitachi High-Technologies, ASML, Onto Innovation, Lasertec, SCREEN Semiconductor Solutions, ZEISS and Camtek, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Semiconductor Inspection and Measurement Equipment market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K US\$/Unit) by manufacturer, by Type, 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 Semiconductor Inspection and Measurement Equipment Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Semiconductor Inspection and Measurement Equipment Market, Segmentation by Type

Defect Inspection Equipment

Metrology Equipment

Global Semiconductor Inspection and Measurement Equipment Market, Segmentation by Application

Wafer

Mask/Film

Companies Profiled:

KLA Corporation

Applied Materials

Hitachi High-Technologies

ASML

Onto Innovation

Lasertec

SCREEN Semiconductor Solutions

ZEISS

Camtek

Skyverse

Toray Engineering

RSIC

Precision Measurement

Microtronic

Unity Semiconductor SAS

SMEE

TZTEK?Muetec?

DJEL

Key Questions Answered

1. How big is the global Semiconductor Inspection and Measurement Equipment market?
2. What is the demand of the global Semiconductor Inspection and Measurement Equipment market?
3. What is the year over year growth of the global Semiconductor Inspection and Measurement Equipment market?
4. What is the production and production value of the global Semiconductor Inspection and Measurement Equipment market?
5. Who are the key producers in the global Semiconductor Inspection and Measurement Equipment market?

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