

Global Wafer Hidden Crack Detection Machine Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Wafer Hidden Crack Detection Machine market size was valued at US\$ 616 million in 2024 and is forecast to a readjusted size of USD 925 million by 2031 with a CAGR of 6.1% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Wafer hidden crack detection machine is a high-precision automated inspection equipment specially used to detect micro-cracks on the surface and inside of wafers. It uses optical imaging and advanced algorithms to detect tiny cracks that are difficult to observe with the naked eye. The equipment is characterized by its fast detection speed, high resolution and low false alarm rate. It can perform non-destructive detection without touching the wafer, ensuring the integrity of the wafer during the detection process. Compared with traditional manual inspection methods, wafer crack detection equipment has significant advantages in accuracy, efficiency and reliability. It can greatly improve production efficiency and product yield, reduce subsequent process problems caused by cracks, thereby reducing production costs. costs and enhance the market competitiveness of enterprises.

This report is a detailed and comprehensive analysis for global Wafer Hidden Crack Detection Machine 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 market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Wafer Hidden Crack Detection Machine market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global Wafer Hidden Crack Detection Machine market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global Wafer Hidden Crack Detection Machine market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global Wafer Hidden Crack Detection Machine market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit), 2020-2025

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 Wafer Hidden Crack Detection Machine
- 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 Wafer Hidden Crack Detection Machine 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 Intego GmbH, Onto Innovation, Micro Engineering, Dou Yee Enterprises, CE-Mat, TORAY, Bruker, Zhejiang Xinhui Equipment Technology, Shenzhen Glint Vision, SUZHOU LAILX NEW ENERGY TECHNOLOGY, etc.

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

Market Segmentation

Wafer Hidden Crack Detection Machine market is split by Type and by Application. For the period 2020-2031, 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 segment by Type

Optical Testing

Acoustic Testing

Electromagnetic Testing

Market segment by Application

8 Inch Wafer

12 Inch Wafer

Others

Major players covered

Intego GmbH

Onto Innovation

Micro Engineering

Dou Yee Enterprises

CE-Mat

TORAY

Bruker

Zhejiang Xinhui Equipment Technology

Shenzhen Glint Vision

SUZHOU LAILX NEW ENERGY TECHNOLOGY

Anhui Boyi Laser Technology

YAYATECH

PIQS Intelligent (Shenzhen)

Wuxi Machine Vision Creation

Zhenjiang Solead Technology

Suzhou TZTEK Technology

Henergy Solar (Beijing)

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)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Wafer Hidden Crack Detection Machine product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Wafer Hidden Crack Detection Machine,

with price, sales quantity, revenue, and global market share of Wafer Hidden Crack Detection Machine from 2020 to 2025.

Chapter 3, the Wafer Hidden Crack Detection Machine competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Wafer Hidden Crack Detection Machine breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Wafer Hidden Crack Detection Machine market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Wafer Hidden Crack Detection Machine.

Chapter 14 and 15, to describe Wafer Hidden Crack Detection Machine sales channel, distributors, customers, research findings and conclusion.

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