

# Global GaN Inspection and Metrology Equipment Market Growth 2024-2030

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## Abstracts

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Gallium nitride (GaN) is used as the wide band gap material for next generation power semiconductors and high frequency devices. The GaN wafer inspection market is expected to grow significantly, driven by advancements in inspection technologies and the increasing demand for high-performance GaN-based devices. Innovations in automated inspection systems, AI, and machine learning will further enhance the efficiency and accuracy of wafer inspections, reducing manufacturing costs and improving yield rates.

The global GaN Inspection and Metrology Equipment market size is projected to grow from US\$ 438 million in 2024 to US\$ 1270 million in 2030; it is expected to grow at a CAGR of 19.4% from 2024 to 2030.

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

This Insight Report provides a comprehensive analysis of the global GaN Inspection and Metrology 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 GaN Inspection and Metrology Equipment portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global GaN Inspection and Metrology Equipment market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for GaN Inspection and Metrology 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 GaN Inspection and Metrology Equipment.

United States market for GaN Inspection and Metrology 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 GaN Inspection and Metrology 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 GaN Inspection and Metrology 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 GaN Inspection and Metrology Equipment players cover KLA Corporation, Lasertec, Nanotronics, TASMITECH, Inc. (Toray Engineering), Bruker, 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 GaN Inspection and Metrology Equipment market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

**GaN Defect Inspection Equipment**

## GaN Metrology Equipment

### Segmentation by Application:

GaN RF

GaN Power

HB GaN LED

### 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.

KLA Corporation

Lasertec

Nanotronics

TASMIT, Inc. (Toray Engineering)

Bruker

LAZIN CO.,LTD

EtaMax

Screen

Tokyo Electron Ltd. (TEL)

confoviz GmbH

Angkun Vision (Beijing) Technology

Shenzhen Glint Vision

Hitachi High-Tech

Onto Innovation

## Key Questions Addressed in this Report

What is the 10-year outlook for the global GaN Inspection and Metrology Equipment market?

What factors are driving GaN Inspection and Metrology Equipment market growth, globally and by region?

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

How do GaN Inspection and Metrology Equipment market opportunities vary by end market size?

How does GaN Inspection and Metrology Equipment break out by Type, by Application?

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