

Global Gallium Nitride Wafer CMP Equipment Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Gallium Nitride Wafer CMP Equipment market size was valued at US\$ 194 million in 2025 and is forecast to a readjusted size of US\$ 353 million by 2032 with a CAGR of 8.9% during review period.

In 2025, the global annual production capacity of Gallium Nitride Wafer CMP Equipment reached approximately 500 units, while actual production was about 420 units. The global average market price was approximately USD 450,000 per unit. Gross profit margins of major manufacturers ranged between 30% and 50%. Gallium Nitride Wafer CMP (Chemical Mechanical Polishing) Equipment is specialized machinery used for planarizing and polishing GaN wafers to achieve ultra-flat surfaces, essential for high-performance optoelectronic and power semiconductor applications. These systems combine chemical etching and mechanical polishing to remove surface irregularities and defects while maintaining wafer integrity.

The upstream of GaN wafer CMP equipment includes high-purity chemicals, polishing pads, slurry components, precision motors, and CNC control modules, which determine polishing uniformity and efficiency. Midstream consists of equipment manufacturers primarily located in Japan, the US, and China, responsible for system integration, automation, and quality control. Downstream applications are in semiconductor foundries, optoelectronic device producers, and power electronics manufacturers. End customers focus on flatness, defect control, repeatability, and process compatibility with GaN-based devices.

The market for Gallium Nitride wafer CMP equipment is expanding due to the rising demand for high-performance power devices and optoelectronic applications. GaN

wafers require precise planarization to ensure device reliability and efficiency, driving investments in advanced CMP systems. Automation and process repeatability are critical for maintaining yield and throughput. Regional supply chain localization, especially in Asia, is enhancing equipment accessibility and support. Overall, the market is expected to grow steadily as GaN adoption increases in 5G, electric vehicles, and next-generation power electronics.

This report is a detailed and comprehensive analysis for global Gallium Nitride Wafer CMP Equipment 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 Gallium Nitride Wafer CMP Equipment market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Gallium Nitride Wafer CMP Equipment market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Gallium Nitride Wafer CMP Equipment market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Gallium Nitride Wafer CMP Equipment market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K 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 Gallium Nitride Wafer CMP Equipment
- 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 Gallium Nitride Wafer CMP Equipment 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 Applied Materials Inc., Ebara Technologies Inc., DISCO Corporation, Revasum Inc., Tokyo Seimitsu, Okamoto Machine Tool Works, Lapmaster Wolters GmbH, Dream Launch, KingTech, ENGIS, etc.

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

Market Segmentation

Gallium Nitride Wafer CMP Equipment 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 segment by Type

Single-Side GaN CMP Equipment

Double-Side GaN CMP Equipment

Market segment by Wafer Size

100 mm GaN CMP Equipment

150 mm GaN CMP Equipment

200 mm GaN CMP Equipment

Others

Market segment by Application

Power Semiconductor Devices

RF & Microwave Devices

LED & Laser Devices

Advanced Packaging

Others

Major players covered

Applied Materials Inc.

Ebara Technologies Inc.

DISCO Corporation

Revasum Inc.

Tokyo Seimitsu

Okamoto Machine Tool Works

Lapmaster Wolters GmbH

Dream Launch

KingTech

ENGIS

Galaxy Technology

Suzhou Fangda

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 Gallium Nitride Wafer CMP Equipment product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Gallium Nitride Wafer CMP Equipment, with price, sales quantity, revenue, and global market share of Gallium Nitride Wafer CMP Equipment from 2021 to 2026.

Chapter 3, the Gallium Nitride Wafer CMP Equipment competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Gallium Nitride Wafer CMP Equipment 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 Gallium Nitride Wafer CMP Equipment 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 Gallium Nitride Wafer CMP Equipment.

Chapter 14 and 15, to describe Gallium Nitride Wafer CMP Equipment sales channel, distributors, customers, research findings and conclusion.

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