

Global Gallium Nitride Wafer CMP Equipment Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G5B88E45D52DEN.html>

Date: January 2026

Pages: 134

Price: US\$ 4,480.00 (Single User License)

ID: G5B88E45D52DEN

Abstracts

The global Gallium Nitride Wafer CMP Equipment market size is expected to reach \$ 353 million by 2032, rising at a market growth of 8.9% CAGR during the forecast period (2026-2032).

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 studies the global Gallium Nitride Wafer CMP Equipment production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Gallium Nitride Wafer CMP Equipment and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Gallium Nitride Wafer CMP Equipment that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Gallium Nitride Wafer CMP Equipment total production and demand, 2021-2032, (Units)

Global Gallium Nitride Wafer CMP Equipment total production value, 2021-2032, (USD Million)

Global Gallium Nitride Wafer CMP Equipment production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Gallium Nitride Wafer CMP Equipment consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Gallium Nitride Wafer CMP Equipment domestic production, consumption, key domestic manufacturers and share

Global Gallium Nitride Wafer CMP Equipment production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Gallium Nitride Wafer CMP Equipment production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Gallium Nitride Wafer CMP Equipment production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Gallium Nitride Wafer CMP 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 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Gallium Nitride Wafer CMP 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 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Gallium Nitride Wafer CMP Equipment Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Gallium Nitride Wafer CMP Equipment Market, Segmentation by Type:

Single-Side GaN CMP Equipment

Double-Side GaN CMP Equipment

Global Gallium Nitride Wafer CMP Equipment Market, Segmentation by Wafer Size:

100 mm GaN CMP Equipment

150 mm GaN CMP Equipment

200 mm GaN CMP Equipment

Others

Global Gallium Nitride Wafer CMP Equipment Market, Segmentation by Application:

Power Semiconductor Devices

RF & Microwave Devices

LED & Laser Devices

Advanced Packaging

Others

Companies Profiled:

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

Key Questions Answered:

1. How big is the global Gallium Nitride Wafer CMP Equipment market?
2. What is the demand of the global Gallium Nitride Wafer CMP Equipment market?
3. What is the year over year growth of the global Gallium Nitride Wafer CMP Equipment market?
4. What is the production and production value of the global Gallium Nitride Wafer CMP Equipment market?
5. Who are the key producers in the global Gallium Nitride Wafer CMP Equipment market?
6. What are the growth factors driving the market demand?

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