

Global Polishing Platen Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Polishing Platen market size is expected to reach \$ 1551 million by 2032, rising at a market growth of 9.4% CAGR during the forecast period (2026-2032).

A Polishing Platen is a critical mechanical component used in Chemical Mechanical Planarization (CMP) equipment in semiconductor manufacturing. It serves as the mounting platform for the polishing pad and provides stable, controlled rotational motion through a precision drive system. During the polishing process, the platen works in conjunction with the wafer, applied pressure, and slurry to achieve material removal and global planarization of the wafer surface. The polishing platen is typically designed with high flatness, rigidity, and integrated temperature control to ensure process uniformity and stability. In 2025, global Polishing Platen production reached approximately 20,256 units, with an average global market price of around US\$ 40,000 per unit. Annual production capacity is 22,500 units. Gross Profit Margin: 25%. The Polishing Platen occupies a critical position in the CMP (Chemical Mechanical Polishing) ecosystem. Upstream, the industry relies on high-quality metals, precision machining, and surface treatment materials to manufacture durable and flat platens. Midstream, companies design and assemble CMP machines, integrating platens with motion control systems, polishing pads, and slurry delivery. Downstream, semiconductor fabs and precision optics manufacturers utilize these platens to achieve uniform planarization, high surface quality, and repeatable manufacturing processes. The industry chain is highly interdependent, with technological expertise concentrated among a few specialized equipment and material suppliers. The Polishing Platen is both a technical and strategic component of the CMP ecosystem. Its precision directly affects yield and device performance, making it a high-value part despite its relatively small size. As semiconductor fabs scale up and new materials such as SiC and GaN gain adoption, demand for high-quality platens will grow steadily. Investing in improved materials,

surface engineering, and long-life designs could provide a competitive edge for manufacturers, especially in the context of rising domestic CMP capabilities in China and other regions.

This report studies the global Polishing Platen production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Polishing Platen 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 Polishing Platen that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Polishing Platen total production and demand, 2021-2032, (Units)

Global Polishing Platen total production value, 2021-2032, (USD Million)

Global Polishing Platen production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Polishing Platen consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Polishing Platen domestic production, consumption, key domestic manufacturers and share

Global Polishing Platen production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Polishing Platen production by Size, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Polishing Platen production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Polishing Platen 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, Ebara Corporation, Tokyo Seimitsu, Okamoto Machine Tool Works, Revasum, ACCRETECH, KC Tech, 3M Company, DuPont, CMC Materials, 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 Polishing Platen 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 Size, 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 Polishing Platen Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Polishing Platen Market, Segmentation by Size:

200mm Wafer Platen

300mm Wafer Platen

450mm Wafer Platen

Global Polishing Platen Market, Segmentation by Structural Design:

Monolithic Platen

Segmented Platen

Hollow Platen

Reinforced Platen

Global Polishing Platen Market, Segmentation by Temperature Control Method:

Non-temperature-controlled Platen

Integrated Cooling Platen

Heated Platen

Heating & Cooling Integrated Platen

Global Polishing Platen Market, Segmentation by Application:

Semiconductor

Optical

Advanced Materials

Others

Companies Profiled:

Applied Materials

Ebara Corporation

Tokyo Seimitsu

Okamoto Machine Tool Works

Revasum

ACCRETECH

KC Tech

3M Company

DuPont

CMC Materials

Fujiibo

JSR Corporation

Hwatsing Technology

SKC

ACM Research

SIZONE Electronic Technology

Beijing Jingyi Jingwei Technology

Beijing TSD Semiconductor

Key Questions Answered:

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

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