

# Global Plasma Strip Chamber Market Growth 2026-2032

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## Abstracts

The global Plasma Strip Chamber market size is predicted to grow from US\$ 191 million in 2025 to US\$ 301 million in 2032; it is expected to grow at a CAGR of 6.7% from 2026 to 2032.

In 2025, global production capacity for plasma strip chambers is approximately 3,400 units, with actual shipments around 3,150 units. The average selling price is about US\$ 62,000 per chamber, depending on wafer size (200mm/300mm), RF power configuration (single/dual frequency), process type (downstream plasma or direct plasma), and throughput capability. Gross margins typically range from 35% to 50%, driven by plasma uniformity control, chamber material engineering, RF matching networks, and advanced endpoint detection systems. A plasma strip chamber is a semiconductor process module used to remove photoresist or polymer residues after etching or ion implantation. The chamber generates plasma—commonly oxygen-based or fluorine-based—to chemically react with organic materials and convert them into volatile byproducts for evacuation. It is widely used in front-end wafer fabrication and advanced packaging processes, especially in logic and memory manufacturing.

Upstream includes RF generators, matching networks, vacuum pumps, mass flow controllers (MFCs), and chamber materials (quartz, anodized aluminum).

Representative suppliers include Lam Research, Applied Materials, and Tokyo Electron. Midstream consists of chamber fabrication, plasma source integration, process calibration, and system assembly. Downstream customers are wafer fabrication plants, advanced packaging facilities, and OSAT providers.

The plasma strip chamber market closely tracks advanced node semiconductor production and multi-patterning processes. As feature sizes shrink below 10 nm,

photoresist thickness and material complexity increase, raising the demand for highly selective, low-damage stripping solutions.

Downstream plasma systems are gaining popularity due to reduced ion bombardment and lower substrate damage, especially for sensitive low-k dielectrics. Environmental regulations are also driving innovation toward reduced greenhouse gas emissions and improved exhaust abatement systems.

Asia-Pacific dominates demand due to concentrated semiconductor manufacturing capacity. Over the next five years, expansion of advanced logic, memory, and advanced packaging is expected to sustain high single- to low double-digit growth in this segment.

LP Information, Inc. (LPI) ' newest research report, the "Plasma Strip Chamber Industry Forecast" looks at past sales and reviews total world Plasma Strip Chamber sales in 2025, providing a comprehensive analysis by region and market sector of projected Plasma Strip Chamber sales for 2026 through 2032. With Plasma Strip Chamber sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Plasma Strip Chamber industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Plasma Strip Chamber 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 Plasma Strip Chamber.

This report presents a comprehensive overview, market shares, and growth opportunities of Plasma Strip Chamber market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Low-temp (

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