

Global PCB Cleaner Market Growth 2026-2032

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Abstracts

The global PCB Cleaner market size is predicted to grow from US\$ 141 million in 2025 to US\$ 249 million in 2032; it is expected to grow at a CAGR of 9.2% from 2026 to 2032.

Flux is a material commonly used in the soldering process to facilitate solder flow and enhance solder joint quality. However, once soldering is complete, flux residues remaining on PCB components can lead to various issues, such as corrosion, short circuits, and reduced circuit reliability. To prevent these problems, a flux removal process is required to eliminate residual flux from the PCB components. Flux removal typically necessitates the use of specially formulated cleaning agents designed to dissolve and remove these residues. Depending on the type of flux used and the specific cleaning requirements, PCB cleaner may be water-based, solvent-based. In addition to removing flux residues, PCB cleaner can also eliminate other contaminants and byproducts such as solder splatter, dust, and other debris that may have accumulated during the manufacturing process.

The global PCB cleaner market size is driven by demand from the 5G sector, automotive electronics, and advanced packaging. The market is segmented by product type into solvent-based, water-based, and others; among these, solvent-based cleaners continue to dominate the consumer electronics sector due to their high cleaning efficiency, while environmental regulations (such as the EU's REACH regulation) are accelerating the penetration of water-based products in medical and automotive PCB applications. In terms of regional landscape, the Asia-Pacific region specifically China and South Korea accounts for 60% of global demand. Major manufacturers such as Kyzen, ITW, Kao, and Zestron dominate the high-end market, whereas Chinese enterprises lead the large-scale, mid-to-low-end market segments. Domestic firms including VTR, Changxian New Materials, and Tongfang Technology are steadily increasing their localization rates within the consumer electronics and industrial PCB

sectors, leveraging their advantages in cost-effectiveness and localized services. Application areas continue to expand in tandem with the upgrading of the electronics industry, exhibiting a structural pattern characterized by 'consumer electronics dominance, explosive growth in automotive electronics, and breakthroughs in high-end sectors.' Consumer electronics remains the largest application sector, accounting for 27.28% of the global market and covering products such as mobile phones, laptops, and smart wearables. Demand in this sector is concentrated on high-volume, high-efficiency, and low-cost water-based and semi-aqueous cleaning agents, which are tailored to meet the cleaning requirements of HDI boards and multi-layer PCBs; the core requirements here are the absence of visual defects and minimal ionic residue.

The industry's development faces a simultaneous interplay of multiple drivers and obstacles, creating a dynamic landscape characterized by a two-way tug-of-war. The core driving factors primarily encompass four key aspects: First, the electronics industry's transition toward lead-free and high-density technologies?specifically the widespread adoption of micro-via, thin-profile, and multi-layer PCBs?has rendered traditional cleaning methods inadequate, thereby compelling technological iterations in cleaning agents. Second, the ever-increasing product reliability requirements in sectors such as automotive electronics, semiconductors, and AI servers are driving a shift from traditional 'no-clean' processes toward mandatory cleaning protocols, thereby stimulating demand for high-end cleaning agents. Third, increasingly stringent global environmental regulations?such as RoHS, REACH, and China's GB38508 standard?are restricting the use of high-VOC and toxic solvents, thereby driving the transition toward greener products. Fourth, the advancement of localization within China's electronics manufacturing sector, coupled with global industrial relocation trends, has triggered a surge in domestic demand for PCB cleaners, presenting significant growth opportunities for local enterprises. Conversely, the core obstacles to industry development are concentrated across three primary dimensions: technology, cost, and market dynamics.

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

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for PCB Cleaner 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 PCB Cleaner.

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

Segmentation by Type:

Solvent Based

Water Based

Others

Segmentation by Application:

Consumer Electronic

Automotive Electronic

Communication

Semiconductor

Industrial

Others

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.

Kyzen

ITW (Techspray & Chemtronics)

Kao

Zestron

Inventec Performance Chemicals

MacDermid Alpha

Vantage

Arakawa Chemical Industries

3M

Florachem

Shenzhen Tongfang

Vital New Material

Kolb Cleaning Technology

Microcare

MG Chemicals

Changxian Keji

ACL Staticide

Key Questions Addressed in this Report

What is the 10-year outlook for the global PCB Cleaner market?

What factors are driving PCB Cleaner market growth, globally and by region?

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

How do PCB Cleaner market opportunities vary by end market size?

How does PCB Cleaner break out by Type, by Application?

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