

# Global Solder Paste Inspection (SPI) System Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Solder Paste Inspection (SPI) System market size is expected to reach \$ 610 million by 2032, rising at a market growth of 8.1% CAGR during the forecast period (2026-2032).

Solder paste inspection (SPI) is a critical process in the electronics manufacturing industry, ensuring the quality and reliability of printed circuit boards (PCBs) before they proceed to the soldering stage. Solder paste inspection is a process used in the assembly of electronic circuit boards. It involves checking the solder paste deposits on PCBs for volume, area, height, and misalignment before the components are placed and reflow soldering is performed. This inspection is typically carried out using automated optical inspection (AOI) systems or 3D inspection technologies. Solder Paste Inspection is a pivotal step in the PCB Assembly Process, especially in industries where precision and reliability are non-negotiable. It not only enhances the quality of the final product but also serves as a cost-saving measure by reducing the need for rework. As electronics continue to evolve and miniaturize, the role of SPI in maintaining manufacturing standards becomes even more significant.

In 2024, global sales of solder paste inspection (SPI) system reached 7,220 units, with an average price of US\$44,000 per unit.

The solder paste inspection (SPI) system market is in a stage of rapid development, driven by the increasing demand for high precision and high reliability in the electronics manufacturing industry. With the rise of emerging markets such as smartphones, automotive electronics, and IoT devices, manufacturers are paying more and more attention to the quality of solder paste printing, which has led to the continuous expansion of the application scope of SPI systems. Currently, many companies are

adopting advanced inspection technologies such as 3D imaging and automated analysis to improve production efficiency and reduce defect rates. Looking to the future, with the continuous advancement of technology and the improvement of industry standards, SPI systems are expected to be used in a wider range of fields, and the market prospects are broad.

Global key players of Solder Paste Inspection (SPI) System include Koh Young, Test Research, Inc (TRI), Sinic-Tek Vision Technology, CKD Corporation, Nordson Corporation, etc. The top five players hold a share about 61%. Asia-Pacific is the world's largest market for Solder Paste Inspection (SPI) System and holds a share about 54%, followed by Americas and Europe, with share about 25% and 17%, separately. In terms of product type, In-line SPI is the largest segment, accounting for a share about 92%. In terms of application, Consumer Electronics is the largest field with a share about 29 percent.

This report studies the global Solder Paste Inspection (SPI) System production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Solder Paste Inspection (SPI) System 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 Solder Paste Inspection (SPI) System that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Solder Paste Inspection (SPI) System total production and demand, 2021-2032, (Units)

Global Solder Paste Inspection (SPI) System total production value, 2021-2032, (USD Million)

Global Solder Paste Inspection (SPI) System production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Solder Paste Inspection (SPI) System consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Solder Paste Inspection (SPI) System domestic production, consumption, key domestic manufacturers and share

Global Solder Paste Inspection (SPI) System production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Solder Paste Inspection (SPI) System production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Solder Paste Inspection (SPI) System production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Solder Paste Inspection (SPI) System 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 Koh Young, Test Research, Inc (TRI), Sinic-Tek Vision Technology, CKD Corporation, Nordson Corporation, SAKI Corporation, Shenzhen JT Automation Equipment, Viscom AG, Mycronic (VI TECHNOLOGY), MIRTEC CO., LTD., 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 Solder Paste Inspection (SPI) System market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K USD/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 Solder Paste Inspection (SPI) System Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Solder Paste Inspection (SPI) System Market, Segmentation by Type:

In-line SPI

Off-line SPI

#### Global Solder Paste Inspection (SPI) System Market, Segmentation by Application:

Automotive Electronics

Consumer Electronics

Industrial

Semiconductor

Others

#### Companies Profiled:

Koh Young

Test Research, Inc (TRI)

Sinic-Tek Vision Technology

CKD Corporation

Nordson Corporation

SAKI Corporation

Shenzhen JT Automation Equipment

Viscom AG

Mycronic (Vi TECHNOLOGY)

MIRTEC CO., LTD.

PARMI Corp

Shenzhen ZhenHuaXing

Pemtron

ASC International

ViTrox

JUTZE Intelligence Technology

Jet Technology

Caltex Scientific

MEK Marantz Electronics

Shenzhen Chonvo Intelligence

### **Key Questions Answered:**

1. How big is the global Solder Paste Inspection (SPI) System market?
2. What is the demand of the global Solder Paste Inspection (SPI) System market?
3. What is the year over year growth of the global Solder Paste Inspection (SPI) System market?
4. What is the production and production value of the global Solder Paste Inspection (SPI) System market?
5. Who are the key producers in the global Solder Paste Inspection (SPI) System market?
6. What are the growth factors driving the market demand?

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