

# Global High Precision Exposure Machine for FPC Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global High Precision Exposure Machine for FPC market size is expected to reach \$ 580 million by 2032, rising at a market growth of 12.3% CAGR during the forecast period (2026-2032).

In 2025, global production of high precision exposure machines for FPC reached approximately 1,060 units, with an average selling price of around USD 238,500 per unit. High precision exposure machines for FPC are critical photolithography tools specifically designed for fine-line manufacturing of flexible printed circuits. They are primarily used to accurately transfer high-resolution circuit patterns from photomasks onto photoresist-coated flexible substrates. These machines typically feature sub-micron alignment capability, high-uniformity exposure systems, and highly stable motion control platforms, enabling them to meet stringent requirements for ultra-fine line widths, high-density interconnects, and multilayer flexible circuit structures, making them core equipment in advanced FPC manufacturing processes.

Currently, the market for high precision exposure machines for FPC is experiencing steady expansion, driven mainly by growing demand for high-reliability flexible circuits in high-end consumer electronics, wearables, and automotive electronics. From a market perspective, this segment features significant technical barriers, requiring advanced capabilities in optical system design, precision mechanical structures, and coordinated software algorithms, with customers primarily being medium-to-large FPC manufacturers possessing advanced process capabilities. In terms of trends, the industry is moving toward higher alignment accuracy, improved exposure uniformity, and greater automation, while emphasizing stability and consistency under complex flexible substrate conditions. Market perspectives suggest that as FPC penetration increases in high-density, miniaturized, and high-reliability applications, demand for high precision exposure machines will continue to grow, with core competitiveness centered on precision retention, yield performance, and long-term operational stability.

This report studies the global High Precision Exposure Machine for FPC production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High Precision Exposure Machine for FPC 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 High Precision Exposure Machine for FPC that contribute to its increasing demand across many markets.

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

Global High Precision Exposure Machine for FPC total production and demand, 2021-2032, (Units)

Global High Precision Exposure Machine for FPC total production value, 2021-2032, (USD Million)

Global High Precision Exposure Machine for FPC production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global High Precision Exposure Machine for FPC consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: High Precision Exposure Machine for FPC domestic production, consumption, key domestic manufacturers and share

Global High Precision Exposure Machine for FPC production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global High Precision Exposure Machine for FPC production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global High Precision Exposure Machine for FPC production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global High Precision Exposure Machine for FPC 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 Accutech, TAIWAN KONG KING CO., LTD., SEIWA OPTICAL, Altix, McLantis Technology, SEIMYUNG VACTRON, KLA Corporation, San-Ei Giken, Japan Science Engineering, ORC MANUFACTURING, 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 High Precision Exposure Machine for FPC market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (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 High Precision Exposure Machine for FPC Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global High Precision Exposure Machine for FPC Market, Segmentation by Type:

Fully Automatic

Semi Automatic

Global High Precision Exposure Machine for FPC Market, Segmentation by Light Source Type:

UV Lamp Exposure Machine

LED UV Exposure Machine

Global High Precision Exposure Machine for FPC Market, Segmentation by Substrate Size:

Mini FPC Exposure Machine

Medium FPC Exposure Machine

Large FPC Exposure Machine

Global High Precision Exposure Machine for FPC Market, Segmentation by Application:

FPC Manufacturers

Electronic Equipment Manufacturers

Automotive Electronics Manufacturing

Others

**Companies Profiled:**

Accutech

TAIWAN KONG KING CO., LTD.

SEIWA OPTICAL

Altix

McLantis Technology

SEIMYUNG VACTRON

KLA Corporation

San-Ei Giken

Japan Science Engineering

ORC MANUFACTURING

Toray Engineering

GROUP UP Industrial

Adtec Engineering

U-GREAT

Zheng Kai Electrical Technology

GIS Tech

**Key Questions Answered:**

1. How big is the global High Precision Exposure Machine for FPC market?
2. What is the demand of the global High Precision Exposure Machine for FPC market?
3. What is the year over year growth of the global High Precision Exposure Machine for FPC market?
4. What is the production and production value of the global High Precision Exposure Machine for FPC market?
5. Who are the key producers in the global High Precision Exposure Machine for FPC market?
6. What are the growth factors driving the market demand?

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