

# Global Fully Automatic Double-Sided Exposure Machine Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Fully Automatic Double-Sided Exposure Machine market size is expected to reach \$ 594 million by 2032, rising at a market growth of 9.3% CAGR during the forecast period (2026-2032).

In 2025, global production of fully automatic double-sided exposure machines reached approximately 1,420 units, with an average selling price of around USD 215,800 per unit. Fully automatic double-sided exposure machines are critical equipment used in the manufacturing of printed circuit boards (PCBs), flexible printed circuits (FPCs), and high-precision substrates, enabling synchronized or sequential high-accuracy exposure on both sides of the substrate. Through stable light sources, dual-sided optical systems, and high-precision alignment mechanisms, these machines accurately transfer circuit or pattern images from photomasks onto photoresist layers on both sides of the material, significantly improving alignment accuracy and pattern consistency. Typically equipped with automated loading/unloading, flipping or synchronized clamping mechanisms, intelligent alignment, and centralized control systems, they are indispensable core tools in the production of high-density interconnect (HDI) and high-reliability circuit boards. Currently, the market for fully automatic double-sided exposure machines is experiencing steady growth, driven primarily by increasing requirements for high-precision double-sided processing in HDI boards, multilayer boards, and advanced FPC manufacturing. From a market perspective, this segment features high technical barriers, with strong demands on optical system stability, mechanical precision, and coordinated software algorithms, and customers are mainly medium-to-high-end PCB manufacturers with large-scale production capabilities. In terms of trends, the industry is moving toward higher alignment accuracy, greater automation, and stronger process compatibility, while emphasizing stable performance and yield across varying board thicknesses and complex circuit structures. Market perspectives suggest that as a key

process node in double-sided and multilayer circuit fabrication, the growth of fully automatic double-sided exposure machines is closely tied to the trends of miniaturization and higher interconnect density in electronic products, with precision, reliability, and long-term operational stability forming the core competitive factors. This report studies the global Fully Automatic Double-Sided Exposure Machine production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Fully Automatic Double-Sided Exposure Machine 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 Fully Automatic Double-Sided Exposure Machine that contribute to its increasing demand across many markets.

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

Global Fully Automatic Double-Sided Exposure Machine total production and demand, 2021-2032, (Units)

Global Fully Automatic Double-Sided Exposure Machine total production value, 2021-2032, (USD Million)

Global Fully Automatic Double-Sided Exposure Machine production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Fully Automatic Double-Sided Exposure Machine consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Fully Automatic Double-Sided Exposure Machine domestic production, consumption, key domestic manufacturers and share

Global Fully Automatic Double-Sided Exposure Machine production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Fully Automatic Double-Sided Exposure Machine production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Fully Automatic Double-Sided Exposure Machine production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Fully Automatic Double-Sided Exposure Machine 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 Fully Automatic Double-Sided Exposure Machine market

**Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (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 Fully Automatic Double-Sided Exposure Machine Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Fully Automatic Double-Sided Exposure Machine Market, Segmentation by Type:

Flat Exposure Machine

Roll-to-Roll Exposure Machine

Global Fully Automatic Double-Sided Exposure Machine Market, Segmentation by Light Source Type:

UV Lamp Exposure Machine

## LED UV Exposure Machine

Global Fully Automatic Double-Sided Exposure Machine Market, Segmentation by Substrate Size:

Mini FPC Exposure Machine

Medium FPC Exposure Machine

Large FPC Exposure Machine

Global Fully Automatic Double-Sided Exposure Machine Market, Segmentation by Application:

Semiconductor Device

PCB

LCD

Microelectronics 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

Veeco Instruments Inc.

Meyer Burger Technology AG

Nikon Corporation

Canon

**Key Questions Answered:**

1. How big is the global Fully Automatic Double-Sided Exposure Machine market?
2. What is the demand of the global Fully Automatic Double-Sided Exposure Machine market?
3. What is the year over year growth of the global Fully Automatic Double-Sided Exposure Machine market?
4. What is the production and production value of the global Fully Automatic Double-

Sided Exposure Machine market?

5. Who are the key producers in the global Fully Automatic Double-Sided Exposure Machine market?

6. What are the growth factors driving the market demand?

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