

Global OLED Laser Equipment Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GE1AFCC4CD4BEN.html>

Date: July 2026

Pages: 136

Price: US\$ 4,480.00 (Single User License)

ID: GE1AFCC4CD4BEN

Abstracts

The global OLED Laser Equipment market size is expected to reach \$ 1915 million by 2032, rising at a market growth of 6.0% CAGR during the forecast period (2026-2032).

OLED Laser Equipment refers to specialized laser processing equipment used in OLED display panel manufacturing, processing, and repair. It mainly includes excimer laser annealing equipment, laser lift-off equipment, laser cutting equipment, laser drilling equipment, and laser repair equipment. These systems enable high-precision and low-thermal-impact processing for LTPS backplane formation, flexible substrate separation, panel cutting, micro-hole drilling, and defect repair, making them critical tools for flexible OLED, foldable displays, automotive OLED, and Micro OLED production. In 2025, global OLED Laser Equipment production reached approximately 6725 Units, with an average global market price of around 183 k USD/Unit. The production capacity for OLED Laser Equipment in 2025 was approximately 7000 Units. The typical gross profit margin for OLED Laser Equipment between 20% and 40%.

The OLED Laser Equipment market is mainly driven by the growing demand for flexible OLED, foldable displays, smartphones, automotive displays, AR/VR devices, and high-end IT display panels. As OLED panels move toward higher resolution, thinner structures, flexibility, and larger sizes, panel manufacturers increasingly rely on ELA, LLO, laser cutting, and laser repair equipment to improve yield and process accuracy. Asia-Pacific remains the major demand region, supported by the strong concentration of display panel supply chains in China, South Korea, Japan, and Taiwan. Future competition will focus on processing precision, yield improvement, equipment stability, production-line automation, and compatibility with next-generation OLED and Micro OLED processes. Growth in related laser lift-off and laser annealing equipment markets also reflects continued demand from flexible display and advanced electronics

manufacturing.

This report studies the global OLED Laser Equipment production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for OLED Laser Equipment 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 OLED Laser Equipment that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global OLED Laser Equipment total production and demand, 2021-2032, (Units)

Global OLED Laser Equipment total production value, 2021-2032, (USD Million)

Global OLED Laser Equipment production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global OLED Laser Equipment consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: OLED Laser Equipment domestic production, consumption, key domestic manufacturers and share

Global OLED Laser Equipment production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global OLED Laser Equipment production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global OLED Laser Equipment production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global OLED Laser Equipment 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 AP Systems, Synustech, Philoptics, DISCO Corporation, EO Technics, Coherent, JSW Aktina System, Optopia, Charm Engineering, Lasertec, 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 OLED Laser Equipment market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K 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 OLED Laser Equipment Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global OLED Laser Equipment Market, Segmentation by Type:

Laser Annealing Equipment

Laser Lift-Off Equipment

Laser Cutting Equipment

Global OLED Laser Equipment Market, Segmentation by Panel Type:

Rigid Substrate Laser Equipment

Flexible Substrate Laser Equipment

Global OLED Laser Equipment Market, Segmentation by Laser Source:

Excimer Laser Equipment

Solid-state Laser Equipment

UV Laser Equipment

Global OLED Laser Equipment Market, Segmentation by Application:

Smartphone Display Panels

Tablet and Laptop Display Panels

TV and Large-size OLED Displays

Automotive Displays

Others

Companies Profiled:

AP Systems

Synustech

Philoptics

DISCO Corporation

EO Technics

Coherent

JSW Aktina System

Optopia

Charm Engineering

Lasertec

Wuhan DR Laser Technology

Maxwell Technologies

Strong Laser Advanced Equipment

Han's Laser

Jiangsu Yawei Machine Tool

Sichuan Keyun Laser Technology

Shenzhen Dongying Laser Equipment

Semishare Co., Ltd.

Delphi Laser

Key Questions Answered:

1. How big is the global OLED Laser Equipment market?
2. What is the demand of the global OLED Laser Equipment market?
3. What is the year over year growth of the global OLED Laser Equipment market?
4. What is the production and production value of the global OLED Laser Equipment market?
5. Who are the key producers in the global OLED Laser Equipment market?
6. What are the growth factors driving the market demand?

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