

# Global Excimer Laser Annealing (ELA) Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Excimer Laser Annealing (ELA) market size is expected to reach \$ 196.1 million by 2029, rising at a market growth of 8.8% CAGR during the forecast period (2023-2029).

Global 3 largest manufacturers of Excimer Laser Annealing (ELA) are Coherent, JSW Aktina System and AP Systems, which make up about 94%. Among them, Coherent is the leader with about 41% market share.

North America is the largest market, with a share about 37%, followed by South Korea and Japan, with the share about 26% and 28%. In terms of product type, 308 nm Wavelength occupy the largest share of the total market, about 53%. And in terms of product application, the largest application is Smartphone, followed by TV.

Excimer Laser Annealing (ELA) is the key process parameter in Low Temperate Silicon (LTPS) layer manufacturing: ELA determines many important final parameters of the layer and finally of the device: crystallinity, mobility, etc.

The Excimer Laser Annealing (ELA) system converts amorphous silicon film on a glass substrate into a polycrystalline silicon one. The low-temperature polycrystalline silicon is generally used in the TFT (Thin Flat Transistor) of the high-resolution panels. ELA System is essential for the production of high-resolution panels, such as smartphones, automobile monitor and portable gaming devices.

This report studies the global Excimer Laser Annealing (ELA) production, demand, key manufacturers, and key regions.



This report is a detailed and comprehensive analysis of the world market for Excimer Laser Annealing (ELA), and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Excimer Laser Annealing (ELA) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Excimer Laser Annealing (ELA) total production and demand, 2018-2029, (Units)

Global Excimer Laser Annealing (ELA) total production value, 2018-2029, (USD Million)

Global Excimer Laser Annealing (ELA) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Excimer Laser Annealing (ELA) consumption by region & country, CAGR, 2018-2029 & (Units)

U.S. VS China: Excimer Laser Annealing (ELA) domestic production, consumption, key domestic manufacturers and share

Global Excimer Laser Annealing (ELA) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Units)

Global Excimer Laser Annealing (ELA) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Excimer Laser Annealing (ELA) production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units).

This reports profiles key players in the global Excimer Laser Annealing (ELA) 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 Coherent, AP Systems, JSW Aktina System and Dukin, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.



Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Excimer Laser Annealing (ELA) 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 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Excimer Laser Annealing (ELA) Market, By Region:

United States China Europe Japan South Korea ASEAN India Rest of World

#### Global Excimer Laser Annealing (ELA) Market, Segmentation by Type

308 nm Wavelength

248 nm Wavelength

Others



Global Excimer Laser Annealing (ELA) Market, Segmentation by Application

Smartphone

OLED TV

Notebook and Tablet

Automobile

Others

**Companies Profiled:** 

Coherent

**AP Systems** 

JSW Aktina System

Dukin

Key Questions Answered

1. How big is the global Excimer Laser Annealing (ELA) market?

2. What is the demand of the global Excimer Laser Annealing (ELA) market?

3. What is the year over year growth of the global Excimer Laser Annealing (ELA) market?

4. What is the production and production value of the global Excimer Laser Annealing (ELA) market?

5. Who are the key producers in the global Excimer Laser Annealing (ELA) market?

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



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