

# Global Fluorescence Lifetime Imaging (FLIM) System and Components Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Fluorescence Lifetime Imaging (FLIM) System and Components market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Fluorescence-lifetime imaging microscopy or FLIM is an imaging technique for producing an image based on the differences in the exponential decay rate of the fluorescence from a fluorescent sample. It can be used as an imaging technique in confocal microscopy, two-photon excitation microscopy, and multiphoton tomography. The lifetime of the fluorophore signal, rather than its intensity, is used to create the image in FLIM. This has the advantage of minimizing the effect of photon scattering in thick layers of sample. In the report, the information about the fluorescence-lifetime imaging microscopy is the new microscopy with FLIM software.

This report studies the global Fluorescence Lifetime Imaging (FLIM) System and Components production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Fluorescence Lifetime Imaging (FLIM) System and Components, 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 Fluorescence Lifetime Imaging (FLIM) System and Components that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Fluorescence Lifetime Imaging (FLIM) System and Components total production and demand, 2018-2029, (K Units)

Global Fluorescence Lifetime Imaging (FLIM) System and Components total production value, 2018-2029, (USD Million)

Global Fluorescence Lifetime Imaging (FLIM) System and Components production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Fluorescence Lifetime Imaging (FLIM) System and Components consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Fluorescence Lifetime Imaging (FLIM) System and Components domestic production, consumption, key domestic manufacturers and share

Global Fluorescence Lifetime Imaging (FLIM) System and Components production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Fluorescence Lifetime Imaging (FLIM) System and Components production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Fluorescence Lifetime Imaging (FLIM) System and Components production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Fluorescence Lifetime Imaging (FLIM) System and Components 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 Leica, Olympus, Zeiss, Becker & Hickl, HORIBA, PicoQuant, Bruker, Nikon and Lambert, 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 Fluorescence Lifetime Imaging (FLIM) System and Components market

## Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/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 Fluorescence Lifetime Imaging (FLIM) System and Components Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Fluorescence Lifetime Imaging (FLIM) System and Components Market, Segmentation by Type

Time-domain FLIM

Frequency-domain FLIM

## Global Fluorescence Lifetime Imaging (FLIM) System and Components Market, Segmentation by Application

Biology & Medical

Academic Institutes

Chemical Industry

#### Companies Profiled:

Leica

Olympus

Zeiss

Becker & Hickl

HORIBA

PicoQuant

Bruker

Nikon

Lambert

Jenlab

#### Key Questions Answered

1. How big is the global Fluorescence Lifetime Imaging (FLIM) System and Components market?
2. What is the demand of the global Fluorescence Lifetime Imaging (FLIM) System and Components market?
3. What is the year over year growth of the global Fluorescence Lifetime Imaging (FLIM)

System and Components market?

4. What is the production and production value of the global Fluorescence Lifetime Imaging (FLIM) System and Components market?

5. Who are the key producers in the global Fluorescence Lifetime Imaging (FLIM) System and Components market?

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

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