

Global Infrared Semiconductor Laser Market Growth 2023-2029

<https://marketpublishers.com/r/G9D1B4714FE2EN.html>

Date: June 2023

Pages: 125

Price: US\$ 3,660.00 (Single User License)

ID: G9D1B4714FE2EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

The global Infrared Semiconductor Laser market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for Infrared Semiconductor Laser is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for Infrared Semiconductor Laser is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for Infrared Semiconductor Laser is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Infrared Semiconductor Laser players cover Daylight, CrystaLaser, IPG Photonics, M Squared Lasers, Coherent, EKSPLA, Northrop Grumman, Genia Photonics and Block Engineering, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

The infrared band is between visible light and microwaves. Covering approximately 0.7 microns to 1 mm, spanning five orders of magnitude. The biggest advantage of infrared semiconductor lasers in the field of lighting is that lasers have extremely high luminous efficiency and luminous intensity. The photoelectric conversion efficiency of semiconductor lasers can reach up to 80%, which greatly reduces energy consumption and increases lighting distance.

LPI (LP Information)' newest research report, the “Infrared Semiconductor Laser Industry Forecast” looks at past sales and reviews total world Infrared Semiconductor Laser sales in 2022, providing a comprehensive analysis by region and market sector of projected Infrared Semiconductor Laser sales for 2023 through 2029. With Infrared Semiconductor Laser sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Infrared Semiconductor Laser industry.

This Insight Report provides a comprehensive analysis of the global Infrared Semiconductor Laser landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Infrared Semiconductor Laser portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Infrared Semiconductor Laser market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Infrared Semiconductor Laser and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Infrared Semiconductor Laser.

This report presents a comprehensive overview, market shares, and growth opportunities of Infrared Semiconductor Laser market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

Near Infrared

Mid-Far Infrared

Segmentation by application

Spectral Analysis

Communication

Biological Engineering

Photoelectric Detection

Medical

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Daylight

CrystaLaser

IPG Photonics

M Squared Lasers

Coherent

EKSPLA

Northrop Grumman

Genia Photonics

Block Engineering

NKT Photonics

H?BNER Photonics

Quantum Composers

CNI

Le Verre Fluor?

Ams-OSRAM

Leukos

SOLAR Laser Systems

Optromix

Innovative Photonic Solutions

Mitsubishi Electric

Shenzhen Fuzhe Technology

Shanghai Color-Measure Photonics Tec

Changchun New Industries OPTOELECTRONICS Tech

Changchun Leishi Photo-Electric Technology

Changchun Lairui Photoelectric Technology

Beijing Time Kono Technology

BWT Beijing

Xi'an Laize Electronic Technology

Changchun Ocean Optical Instrument

Shanghai Runmang Photoelectric Technology

Sony

Nichia

QSI

Sharp

ROHM

Ushio

Osram

TOPTICA Photonics

Huaguang Photoelectric

Panasonic

Hamamatsu

Newport Corp

Egismos Technology

Arima Lasers

Finisar

Key Questions Addressed in this Report

What is the 10-year outlook for the global Infrared Semiconductor Laser market?

What factors are driving Infrared Semiconductor Laser market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Infrared Semiconductor Laser market opportunities vary by end market size?

How does Infrared Semiconductor Laser break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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