

# Global Active Optically Pumped Semiconductor Lasers Market Growth 2024-2030

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## Abstracts

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Active Optically Pumped Semiconductor Lasers combine the most important advantages of semiconductor and thin-disk lasers. They are used primarily as near infrared devices in laser cooling and spectroscopy, but have also been explored for applications such as telecommunications.

The global Active Optically Pumped Semiconductor Lasers market size is projected to grow from US\$ million in 2023 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Active Optically Pumped Semiconductor Lasers Industry Forecast" looks at past sales and reviews total world Active Optically Pumped Semiconductor Lasers sales in 2023, providing a comprehensive analysis by region and market sector of projected Active Optically Pumped Semiconductor Lasers sales for 2024 through 2030. With Active Optically Pumped Semiconductor Lasers sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Active Optically Pumped Semiconductor Lasers industry.

This Insight Report provides a comprehensive analysis of the global Active Optically Pumped Semiconductor Lasers 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 Active Optically Pumped Semiconductor Lasers portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better

understand these firms' unique position in an accelerating global Active Optically Pumped Semiconductor Lasers market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Active Optically Pumped Semiconductor Lasers 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 Active Optically Pumped Semiconductor Lasers.

The global market for semiconductor was estimated at US\$ 579 billion in the year 2022, is projected to US\$ 790 billion by 2029, growing at a CAGR of 6% during the forecast period. Although some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.76%, Sensor with 16.31%, and Logic with 14.46% growth, Memory declined with 12.64% year over year. The microprocessor (MPU) and microcontroller (MCU) segments will experience stagnant growth due to weak shipments and investment in notebooks, computers, and standard desktops. In the current market scenario, the growing popularity of IoT-based electronics is stimulating the need for powerful processors and controllers. Hybrid MPUs and MCUs provide real-time embedded processing and control for the topmost IoT-based applications, resulting in significant market growth. The Analog IC segment is expected to grow gradually, while demand from the networking and communications industries is limited. Few of the emerging trends in the growing demand for Analog integrated circuits include signal conversion, automotive-specific Analog applications, and power management. They drive the growing demand for discrete power devices.

This report presents a comprehensive overview, market shares, and growth opportunities of Active Optically Pumped Semiconductor Lasers market by product type, application, key manufacturers and key regions and countries.

#### Segmentation by type

976 nm

980 nm

1480 nm

Others

Segmentation by application

Metal Processing

Medical

Communication

Laboratory

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.

II-VI

Furukawa Electric

Anritsu

Lumentum

3SP Technologies

Gooch & Housego

DoGain Laser Technology

Sunboon

Lumics

Oxxius

Thorlabs

Holmarc Opto-Mechatronics

InnoLas

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Active Optically Pumped Semiconductor Lasers market?

What factors are driving Active Optically Pumped Semiconductor Lasers market growth, globally and by region?

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

How do Active Optically Pumped Semiconductor Lasers market opportunities vary by end market size?

How does Active Optically Pumped Semiconductor Lasers break out type, application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

#### 2.1 World Market Overview

- 2.1.1 Global Active Optically Pumped Semiconductor Lasers Annual Sales 2019-2030
- 2.1.2 World Current & Future Analysis for Active Optically Pumped Semiconductor Lasers by Geographic Region, 2019, 2023 & 2030
- 2.1.3 World Current & Future Analysis for Active Optically Pumped Semiconductor Lasers by Country/Region, 2019, 2023 & 2030

#### 2.2 Active Optically Pumped Semiconductor Lasers Segment by Type

- 2.2.1 976 nm
- 2.2.2 980 nm
- 2.2.3 1480 nm
- 2.2.4 Others

#### 2.3 Active Optically Pumped Semiconductor Lasers Sales by Type

- 2.3.1 Global Active Optically Pumped Semiconductor Lasers Sales Market Share by Type (2019-2024)
- 2.3.2 Global Active Optically Pumped Semiconductor Lasers Revenue and Market Share by Type (2019-2024)
- 2.3.3 Global Active Optically Pumped Semiconductor Lasers Sale Price by Type (2019-2024)

#### 2.4 Active Optically Pumped Semiconductor Lasers Segment by Application

- 2.4.1 Metal Processing
- 2.4.2 Medical
- 2.4.3 Communication
- 2.4.4 Laboratory

#### 2.5 Active Optically Pumped Semiconductor Lasers Sales by Application

2.5.1 Global Active Optically Pumped Semiconductor Lasers Sale Market Share by Application (2019-2024)

2.5.2 Global Active Optically Pumped Semiconductor Lasers Revenue and Market Share by Application (2019-2024)

2.5.3 Global Active Optically Pumped Semiconductor Lasers Sale Price by Application (2019-2024)

### **3 GLOBAL ACTIVE OPTICALLY PUMPED SEMICONDUCTOR LASERS BY COMPANY**

3.1 Global Active Optically Pumped Semiconductor Lasers Breakdown Data by Company

3.1.1 Global Active Optically Pumped Semiconductor Lasers Annual Sales by Company (2019-2024)

3.1.2 Global Active Optically Pumped Semiconductor Lasers Sales Market Share by Company (2019-2024)

3.2 Global Active Optically Pumped Semiconductor Lasers Annual Revenue by Company (2019-2024)

3.2.1 Global Active Optically Pumped Semiconductor Lasers Revenue by Company (2019-2024)

3.2.2 Global Active Optically Pumped Semiconductor Lasers Revenue Market Share by Company (2019-2024)

3.3 Global Active Optically Pumped Semiconductor Lasers Sale Price by Company

3.4 Key Manufacturers Active Optically Pumped Semiconductor Lasers Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Active Optically Pumped Semiconductor Lasers Product Location Distribution

3.4.2 Players Active Optically Pumped Semiconductor Lasers Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

### **4 WORLD HISTORIC REVIEW FOR ACTIVE OPTICALLY PUMPED SEMICONDUCTOR LASERS BY GEOGRAPHIC REGION**

4.1 World Historic Active Optically Pumped Semiconductor Lasers Market Size by Geographic Region (2019-2024)

- 4.1.1 Global Active Optically Pumped Semiconductor Lasers Annual Sales by Geographic Region (2019-2024)
- 4.1.2 Global Active Optically Pumped Semiconductor Lasers Annual Revenue by Geographic Region (2019-2024)
- 4.2 World Historic Active Optically Pumped Semiconductor Lasers Market Size by Country/Region (2019-2024)
  - 4.2.1 Global Active Optically Pumped Semiconductor Lasers Annual Sales by Country/Region (2019-2024)
  - 4.2.2 Global Active Optically Pumped Semiconductor Lasers Annual Revenue by Country/Region (2019-2024)
- 4.3 Americas Active Optically Pumped Semiconductor Lasers Sales Growth
- 4.4 APAC Active Optically Pumped Semiconductor Lasers Sales Growth
- 4.5 Europe Active Optically Pumped Semiconductor Lasers Sales Growth
- 4.6 Middle East & Africa Active Optically Pumped Semiconductor Lasers Sales Growth

## **5 AMERICAS**

- 5.1 Americas Active Optically Pumped Semiconductor Lasers Sales by Country
  - 5.1.1 Americas Active Optically Pumped Semiconductor Lasers Sales by Country (2019-2024)
  - 5.1.2 Americas Active Optically Pumped Semiconductor Lasers Revenue by Country (2019-2024)
- 5.2 Americas Active Optically Pumped Semiconductor Lasers Sales by Type
- 5.3 Americas Active Optically Pumped Semiconductor Lasers Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

## **6 APAC**

- 6.1 APAC Active Optically Pumped Semiconductor Lasers Sales by Region
  - 6.1.1 APAC Active Optically Pumped Semiconductor Lasers Sales by Region (2019-2024)
  - 6.1.2 APAC Active Optically Pumped Semiconductor Lasers Revenue by Region (2019-2024)
- 6.2 APAC Active Optically Pumped Semiconductor Lasers Sales by Type
- 6.3 APAC Active Optically Pumped Semiconductor Lasers Sales by Application
- 6.4 China



- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

## **7 EUROPE**

- 7.1 Europe Active Optically Pumped Semiconductor Lasers by Country
  - 7.1.1 Europe Active Optically Pumped Semiconductor Lasers Sales by Country (2019-2024)
  - 7.1.2 Europe Active Optically Pumped Semiconductor Lasers Revenue by Country (2019-2024)
- 7.2 Europe Active Optically Pumped Semiconductor Lasers Sales by Type
- 7.3 Europe Active Optically Pumped Semiconductor Lasers Sales by Application
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

- 8.1 Middle East & Africa Active Optically Pumped Semiconductor Lasers by Country
  - 8.1.1 Middle East & Africa Active Optically Pumped Semiconductor Lasers Sales by Country (2019-2024)
  - 8.1.2 Middle East & Africa Active Optically Pumped Semiconductor Lasers Revenue by Country (2019-2024)
- 8.2 Middle East & Africa Active Optically Pumped Semiconductor Lasers Sales by Type
- 8.3 Middle East & Africa Active Optically Pumped Semiconductor Lasers Sales by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Active Optically Pumped Semiconductor Lasers
- 10.3 Manufacturing Process Analysis of Active Optically Pumped Semiconductor Lasers
- 10.4 Industry Chain Structure of Active Optically Pumped Semiconductor Lasers

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Active Optically Pumped Semiconductor Lasers Distributors
- 11.3 Active Optically Pumped Semiconductor Lasers Customer

## **12 WORLD FORECAST REVIEW FOR ACTIVE OPTICALLY PUMPED SEMICONDUCTOR LASERS BY GEOGRAPHIC REGION**

- 12.1 Global Active Optically Pumped Semiconductor Lasers Market Size Forecast by Region
  - 12.1.1 Global Active Optically Pumped Semiconductor Lasers Forecast by Region (2025-2030)
  - 12.1.2 Global Active Optically Pumped Semiconductor Lasers Annual Revenue Forecast by Region (2025-2030)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Active Optically Pumped Semiconductor Lasers Forecast by Type
- 12.7 Global Active Optically Pumped Semiconductor Lasers Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

## 13.1 II-VI

### 13.1.1 II-VI Company Information

### 13.1.2 II-VI Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

### 13.1.3 II-VI Active Optically Pumped Semiconductor Lasers Sales, Revenue, Price and Gross Margin (2019-2024)

### 13.1.4 II-VI Main Business Overview

### 13.1.5 II-VI Latest Developments

## 13.2 Furukawa Electric

### 13.2.1 Furukawa Electric Company Information

### 13.2.2 Furukawa Electric Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

### 13.2.3 Furukawa Electric Active Optically Pumped Semiconductor Lasers Sales, Revenue, Price and Gross Margin (2019-2024)

### 13.2.4 Furukawa Electric Main Business Overview

### 13.2.5 Furukawa Electric Latest Developments

## 13.3 Anritsu

### 13.3.1 Anritsu Company Information

### 13.3.2 Anritsu Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

### 13.3.3 Anritsu Active Optically Pumped Semiconductor Lasers Sales, Revenue, Price and Gross Margin (2019-2024)

### 13.3.4 Anritsu Main Business Overview

### 13.3.5 Anritsu Latest Developments

## 13.4 Lumentum

### 13.4.1 Lumentum Company Information

### 13.4.2 Lumentum Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

### 13.4.3 Lumentum Active Optically Pumped Semiconductor Lasers Sales, Revenue, Price and Gross Margin (2019-2024)

### 13.4.4 Lumentum Main Business Overview

### 13.4.5 Lumentum Latest Developments

## 13.5 3SP Technologies

### 13.5.1 3SP Technologies Company Information

### 13.5.2 3SP Technologies Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

### 13.5.3 3SP Technologies Active Optically Pumped Semiconductor Lasers Sales, Revenue, Price and Gross Margin (2019-2024)

### 13.5.4 3SP Technologies Main Business Overview

- 13.5.5 3SP Technologies Latest Developments
- 13.6 Gooch & Housego
  - 13.6.1 Gooch & Housego Company Information
  - 13.6.2 Gooch & Housego Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications
  - 13.6.3 Gooch & Housego Active Optically Pumped Semiconductor Lasers Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.6.4 Gooch & Housego Main Business Overview
  - 13.6.5 Gooch & Housego Latest Developments
- 13.7 DoGain Laser Technology
  - 13.7.1 DoGain Laser Technology Company Information
  - 13.7.2 DoGain Laser Technology Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications
  - 13.7.3 DoGain Laser Technology Active Optically Pumped Semiconductor Lasers Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.7.4 DoGain Laser Technology Main Business Overview
  - 13.7.5 DoGain Laser Technology Latest Developments
- 13.8 Sunboon
  - 13.8.1 Sunboon Company Information
  - 13.8.2 Sunboon Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications
  - 13.8.3 Sunboon Active Optically Pumped Semiconductor Lasers Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.8.4 Sunboon Main Business Overview
  - 13.8.5 Sunboon Latest Developments
- 13.9 Lumics
  - 13.9.1 Lumics Company Information
  - 13.9.2 Lumics Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications
  - 13.9.3 Lumics Active Optically Pumped Semiconductor Lasers Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.9.4 Lumics Main Business Overview
  - 13.9.5 Lumics Latest Developments
- 13.10 Oxxius
  - 13.10.1 Oxxius Company Information
  - 13.10.2 Oxxius Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications
  - 13.10.3 Oxxius Active Optically Pumped Semiconductor Lasers Sales, Revenue, Price and Gross Margin (2019-2024)

- 13.10.4 Oxixus Main Business Overview
- 13.10.5 Oxixus Latest Developments
- 13.11 Thorlabs
  - 13.11.1 Thorlabs Company Information
  - 13.11.2 Thorlabs Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications
  - 13.11.3 Thorlabs Active Optically Pumped Semiconductor Lasers Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.11.4 Thorlabs Main Business Overview
  - 13.11.5 Thorlabs Latest Developments
- 13.12 Holmarc Opto-Mechatronics
  - 13.12.1 Holmarc Opto-Mechatronics Company Information
  - 13.12.2 Holmarc Opto-Mechatronics Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications
  - 13.12.3 Holmarc Opto-Mechatronics Active Optically Pumped Semiconductor Lasers Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.12.4 Holmarc Opto-Mechatronics Main Business Overview
  - 13.12.5 Holmarc Opto-Mechatronics Latest Developments
- 13.13 InnoLas
  - 13.13.1 InnoLas Company Information
  - 13.13.2 InnoLas Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications
  - 13.13.3 InnoLas Active Optically Pumped Semiconductor Lasers Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.13.4 InnoLas Main Business Overview
  - 13.13.5 InnoLas Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. Active Optically Pumped Semiconductor Lasers Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Active Optically Pumped Semiconductor Lasers Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of 976 nm

Table 4. Major Players of 980 nm

Table 5. Major Players of 1480 nm

Table 6. Major Players of Others

Table 7. Global Active Optically Pumped Semiconductor Lasers Sales by Type (2019-2024) & (K Units)

Table 8. Global Active Optically Pumped Semiconductor Lasers Sales Market Share by Type (2019-2024)

Table 9. Global Active Optically Pumped Semiconductor Lasers Revenue by Type (2019-2024) & (\$ million)

Table 10. Global Active Optically Pumped Semiconductor Lasers Revenue Market Share by Type (2019-2024)

Table 11. Global Active Optically Pumped Semiconductor Lasers Sale Price by Type (2019-2024) & (US\$/Unit)

Table 12. Global Active Optically Pumped Semiconductor Lasers Sales by Application (2019-2024) & (K Units)

Table 13. Global Active Optically Pumped Semiconductor Lasers Sales Market Share by Application (2019-2024)

Table 14. Global Active Optically Pumped Semiconductor Lasers Revenue by Application (2019-2024)

Table 15. Global Active Optically Pumped Semiconductor Lasers Revenue Market Share by Application (2019-2024)

Table 16. Global Active Optically Pumped Semiconductor Lasers Sale Price by Application (2019-2024) & (US\$/Unit)

Table 17. Global Active Optically Pumped Semiconductor Lasers Sales by Company (2019-2024) & (K Units)

Table 18. Global Active Optically Pumped Semiconductor Lasers Sales Market Share by Company (2019-2024)

Table 19. Global Active Optically Pumped Semiconductor Lasers Revenue by Company (2019-2024) (\$ Millions)

Table 20. Global Active Optically Pumped Semiconductor Lasers Revenue Market



Share by Company (2019-2024)

Table 21. Global Active Optically Pumped Semiconductor Lasers Sale Price by Company (2019-2024) & (US\$/Unit)

Table 22. Key Manufacturers Active Optically Pumped Semiconductor Lasers Producing Area Distribution and Sales Area

Table 23. Players Active Optically Pumped Semiconductor Lasers Products Offered

Table 24. Active Optically Pumped Semiconductor Lasers Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 25. New Products and Potential Entrants

Table 26. Mergers & Acquisitions, Expansion

Table 27. Global Active Optically Pumped Semiconductor Lasers Sales by Geographic Region (2019-2024) & (K Units)

Table 28. Global Active Optically Pumped Semiconductor Lasers Sales Market Share Geographic Region (2019-2024)

Table 29. Global Active Optically Pumped Semiconductor Lasers Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 30. Global Active Optically Pumped Semiconductor Lasers Revenue Market Share by Geographic Region (2019-2024)

Table 31. Global Active Optically Pumped Semiconductor Lasers Sales by Country/Region (2019-2024) & (K Units)

Table 32. Global Active Optically Pumped Semiconductor Lasers Sales Market Share by Country/Region (2019-2024)

Table 33. Global Active Optically Pumped Semiconductor Lasers Revenue by Country/Region (2019-2024) & (\$ millions)

Table 34. Global Active Optically Pumped Semiconductor Lasers Revenue Market Share by Country/Region (2019-2024)

Table 35. Americas Active Optically Pumped Semiconductor Lasers Sales by Country (2019-2024) & (K Units)

Table 36. Americas Active Optically Pumped Semiconductor Lasers Sales Market Share by Country (2019-2024)

Table 37. Americas Active Optically Pumped Semiconductor Lasers Revenue by Country (2019-2024) & (\$ Millions)

Table 38. Americas Active Optically Pumped Semiconductor Lasers Revenue Market Share by Country (2019-2024)

Table 39. Americas Active Optically Pumped Semiconductor Lasers Sales by Type (2019-2024) & (K Units)

Table 40. Americas Active Optically Pumped Semiconductor Lasers Sales by Application (2019-2024) & (K Units)

Table 41. APAC Active Optically Pumped Semiconductor Lasers Sales by Region

(2019-2024) & (K Units)

Table 42. APAC Active Optically Pumped Semiconductor Lasers Sales Market Share by Region (2019-2024)

Table 43. APAC Active Optically Pumped Semiconductor Lasers Revenue by Region (2019-2024) & (\$ Millions)

Table 44. APAC Active Optically Pumped Semiconductor Lasers Revenue Market Share by Region (2019-2024)

Table 45. APAC Active Optically Pumped Semiconductor Lasers Sales by Type (2019-2024) & (K Units)

Table 46. APAC Active Optically Pumped Semiconductor Lasers Sales by Application (2019-2024) & (K Units)

Table 47. Europe Active Optically Pumped Semiconductor Lasers Sales by Country (2019-2024) & (K Units)

Table 48. Europe Active Optically Pumped Semiconductor Lasers Sales Market Share by Country (2019-2024)

Table 49. Europe Active Optically Pumped Semiconductor Lasers Revenue by Country (2019-2024) & (\$ Millions)

Table 50. Europe Active Optically Pumped Semiconductor Lasers Revenue Market Share by Country (2019-2024)

Table 51. Europe Active Optically Pumped Semiconductor Lasers Sales by Type (2019-2024) & (K Units)

Table 52. Europe Active Optically Pumped Semiconductor Lasers Sales by Application (2019-2024) & (K Units)

Table 53. Middle East & Africa Active Optically Pumped Semiconductor Lasers Sales by Country (2019-2024) & (K Units)

Table 54. Middle East & Africa Active Optically Pumped Semiconductor Lasers Sales Market Share by Country (2019-2024)

Table 55. Middle East & Africa Active Optically Pumped Semiconductor Lasers Revenue by Country (2019-2024) & (\$ Millions)

Table 56. Middle East & Africa Active Optically Pumped Semiconductor Lasers Revenue Market Share by Country (2019-2024)

Table 57. Middle East & Africa Active Optically Pumped Semiconductor Lasers Sales by Type (2019-2024) & (K Units)

Table 58. Middle East & Africa Active Optically Pumped Semiconductor Lasers Sales by Application (2019-2024) & (K Units)

Table 59. Key Market Drivers & Growth Opportunities of Active Optically Pumped Semiconductor Lasers

Table 60. Key Market Challenges & Risks of Active Optically Pumped Semiconductor Lasers



- Table 61. Key Industry Trends of Active Optically Pumped Semiconductor Lasers
- Table 62. Active Optically Pumped Semiconductor Lasers Raw Material
- Table 63. Key Suppliers of Raw Materials
- Table 64. Active Optically Pumped Semiconductor Lasers Distributors List
- Table 65. Active Optically Pumped Semiconductor Lasers Customer List
- Table 66. Global Active Optically Pumped Semiconductor Lasers Sales Forecast by Region (2025-2030) & (K Units)
- Table 67. Global Active Optically Pumped Semiconductor Lasers Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 68. Americas Active Optically Pumped Semiconductor Lasers Sales Forecast by Country (2025-2030) & (K Units)
- Table 69. Americas Active Optically Pumped Semiconductor Lasers Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 70. APAC Active Optically Pumped Semiconductor Lasers Sales Forecast by Region (2025-2030) & (K Units)
- Table 71. APAC Active Optically Pumped Semiconductor Lasers Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 72. Europe Active Optically Pumped Semiconductor Lasers Sales Forecast by Country (2025-2030) & (K Units)
- Table 73. Europe Active Optically Pumped Semiconductor Lasers Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 74. Middle East & Africa Active Optically Pumped Semiconductor Lasers Sales Forecast by Country (2025-2030) & (K Units)
- Table 75. Middle East & Africa Active Optically Pumped Semiconductor Lasers Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 76. Global Active Optically Pumped Semiconductor Lasers Sales Forecast by Type (2025-2030) & (K Units)
- Table 77. Global Active Optically Pumped Semiconductor Lasers Revenue Forecast by Type (2025-2030) & (\$ Millions)
- Table 78. Global Active Optically Pumped Semiconductor Lasers Sales Forecast by Application (2025-2030) & (K Units)
- Table 79. Global Active Optically Pumped Semiconductor Lasers Revenue Forecast by Application (2025-2030) & (\$ Millions)
- Table 80. II-VI Basic Information, Active Optically Pumped Semiconductor Lasers Manufacturing Base, Sales Area and Its Competitors
- Table 81. II-VI Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications
- Table 82. II-VI Active Optically Pumped Semiconductor Lasers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 83. II-VI Main Business

Table 84. II-VI Latest Developments

Table 85. Furukawa Electric Basic Information, Active Optically Pumped Semiconductor Lasers Manufacturing Base, Sales Area and Its Competitors

Table 86. Furukawa Electric Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

Table 87. Furukawa Electric Active Optically Pumped Semiconductor Lasers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 88. Furukawa Electric Main Business

Table 89. Furukawa Electric Latest Developments

Table 90. Anritsu Basic Information, Active Optically Pumped Semiconductor Lasers Manufacturing Base, Sales Area and Its Competitors

Table 91. Anritsu Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

Table 92. Anritsu Active Optically Pumped Semiconductor Lasers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 93. Anritsu Main Business

Table 94. Anritsu Latest Developments

Table 95. Lumentum Basic Information, Active Optically Pumped Semiconductor Lasers Manufacturing Base, Sales Area and Its Competitors

Table 96. Lumentum Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

Table 97. Lumentum Active Optically Pumped Semiconductor Lasers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 98. Lumentum Main Business

Table 99. Lumentum Latest Developments

Table 100. 3SP Technologies Basic Information, Active Optically Pumped Semiconductor Lasers Manufacturing Base, Sales Area and Its Competitors

Table 101. 3SP Technologies Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

Table 102. 3SP Technologies Active Optically Pumped Semiconductor Lasers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 103. 3SP Technologies Main Business

Table 104. 3SP Technologies Latest Developments

Table 105. Gooch & Housego Basic Information, Active Optically Pumped Semiconductor Lasers Manufacturing Base, Sales Area and Its Competitors

Table 106. Gooch & Housego Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

Table 107. Gooch & Housego Active Optically Pumped Semiconductor Lasers Sales (K

Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 108. Gooch & Housego Main Business

Table 109. Gooch & Housego Latest Developments

Table 110. DoGain Laser Technology Basic Information, Active Optically Pumped Semiconductor Lasers Manufacturing Base, Sales Area and Its Competitors

Table 111. DoGain Laser Technology Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

Table 112. DoGain Laser Technology Active Optically Pumped Semiconductor Lasers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 113. DoGain Laser Technology Main Business

Table 114. DoGain Laser Technology Latest Developments

Table 115. Sunboon Basic Information, Active Optically Pumped Semiconductor Lasers Manufacturing Base, Sales Area and Its Competitors

Table 116. Sunboon Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

Table 117. Sunboon Active Optically Pumped Semiconductor Lasers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 118. Sunboon Main Business

Table 119. Sunboon Latest Developments

Table 120. Lumics Basic Information, Active Optically Pumped Semiconductor Lasers Manufacturing Base, Sales Area and Its Competitors

Table 121. Lumics Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

Table 122. Lumics Active Optically Pumped Semiconductor Lasers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 123. Lumics Main Business

Table 124. Lumics Latest Developments

Table 125. Oxxius Basic Information, Active Optically Pumped Semiconductor Lasers Manufacturing Base, Sales Area and Its Competitors

Table 126. Oxxius Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

Table 127. Oxxius Active Optically Pumped Semiconductor Lasers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 128. Oxxius Main Business

Table 129. Oxxius Latest Developments

Table 130. Thorlabs Basic Information, Active Optically Pumped Semiconductor Lasers Manufacturing Base, Sales Area and Its Competitors

Table 131. Thorlabs Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

Table 132. Thorlabs Active Optically Pumped Semiconductor Lasers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 133. Thorlabs Main Business

Table 134. Thorlabs Latest Developments

Table 135. Holmarc Opto-Mechatronics Basic Information, Active Optically Pumped Semiconductor Lasers Manufacturing Base, Sales Area and Its Competitors

Table 136. Holmarc Opto-Mechatronics Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

Table 137. Holmarc Opto-Mechatronics Active Optically Pumped Semiconductor Lasers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 138. Holmarc Opto-Mechatronics Main Business

Table 139. Holmarc Opto-Mechatronics Latest Developments

Table 140. InnoLas Basic Information, Active Optically Pumped Semiconductor Lasers Manufacturing Base, Sales Area and Its Competitors

Table 141. InnoLas Active Optically Pumped Semiconductor Lasers Product Portfolios and Specifications

Table 142. InnoLas Active Optically Pumped Semiconductor Lasers Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 143. InnoLas Main Business

Table 144. InnoLas Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Active Optically Pumped Semiconductor Lasers
- Figure 2. Active Optically Pumped Semiconductor Lasers Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Active Optically Pumped Semiconductor Lasers Sales Growth Rate 2019-2030 (K Units)
- Figure 7. Global Active Optically Pumped Semiconductor Lasers Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. Active Optically Pumped Semiconductor Lasers Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of 976 nm
- Figure 10. Product Picture of 980 nm
- Figure 11. Product Picture of 1480 nm
- Figure 12. Product Picture of Others
- Figure 13. Global Active Optically Pumped Semiconductor Lasers Sales Market Share by Type in 2023
- Figure 14. Global Active Optically Pumped Semiconductor Lasers Revenue Market Share by Type (2019-2024)
- Figure 15. Active Optically Pumped Semiconductor Lasers Consumed in Metal Processing
- Figure 16. Global Active Optically Pumped Semiconductor Lasers Market: Metal Processing (2019-2024) & (K Units)
- Figure 17. Active Optically Pumped Semiconductor Lasers Consumed in Medical
- Figure 18. Global Active Optically Pumped Semiconductor Lasers Market: Medical (2019-2024) & (K Units)
- Figure 19. Active Optically Pumped Semiconductor Lasers Consumed in Communication
- Figure 20. Global Active Optically Pumped Semiconductor Lasers Market: Communication (2019-2024) & (K Units)
- Figure 21. Active Optically Pumped Semiconductor Lasers Consumed in Laboratory
- Figure 22. Global Active Optically Pumped Semiconductor Lasers Market: Laboratory (2019-2024) & (K Units)
- Figure 23. Global Active Optically Pumped Semiconductor Lasers Sales Market Share by Application (2023)



Figure 24. Global Active Optically Pumped Semiconductor Lasers Revenue Market Share by Application in 2023

Figure 25. Active Optically Pumped Semiconductor Lasers Sales Market by Company in 2023 (K Units)

Figure 26. Global Active Optically Pumped Semiconductor Lasers Sales Market Share by Company in 2023

Figure 27. Active Optically Pumped Semiconductor Lasers Revenue Market by Company in 2023 (\$ Million)

Figure 28. Global Active Optically Pumped Semiconductor Lasers Revenue Market Share by Company in 2023

Figure 29. Global Active Optically Pumped Semiconductor Lasers Sales Market Share by Geographic Region (2019-2024)

Figure 30. Global Active Optically Pumped Semiconductor Lasers Revenue Market Share by Geographic Region in 2023

Figure 31. Americas Active Optically Pumped Semiconductor Lasers Sales 2019-2024 (K Units)

Figure 32. Americas Active Optically Pumped Semiconductor Lasers Revenue 2019-2024 (\$ Millions)

Figure 33. APAC Active Optically Pumped Semiconductor Lasers Sales 2019-2024 (K Units)

Figure 34. APAC Active Optically Pumped Semiconductor Lasers Revenue 2019-2024 (\$ Millions)

Figure 35. Europe Active Optically Pumped Semiconductor Lasers Sales 2019-2024 (K Units)

Figure 36. Europe Active Optically Pumped Semiconductor Lasers Revenue 2019-2024 (\$ Millions)

Figure 37. Middle East & Africa Active Optically Pumped Semiconductor Lasers Sales 2019-2024 (K Units)

Figure 38. Middle East & Africa Active Optically Pumped Semiconductor Lasers Revenue 2019-2024 (\$ Millions)

Figure 39. Americas Active Optically Pumped Semiconductor Lasers Sales Market Share by Country in 2023

Figure 40. Americas Active Optically Pumped Semiconductor Lasers Revenue Market Share by Country in 2023

Figure 41. Americas Active Optically Pumped Semiconductor Lasers Sales Market Share by Type (2019-2024)

Figure 42. Americas Active Optically Pumped Semiconductor Lasers Sales Market Share by Application (2019-2024)

Figure 43. United States Active Optically Pumped Semiconductor Lasers Revenue

Growth 2019-2024 (\$ Millions)

Figure 44. Canada Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 45. Mexico Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 46. Brazil Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 47. APAC Active Optically Pumped Semiconductor Lasers Sales Market Share by Region in 2023

Figure 48. APAC Active Optically Pumped Semiconductor Lasers Revenue Market Share by Regions in 2023

Figure 49. APAC Active Optically Pumped Semiconductor Lasers Sales Market Share by Type (2019-2024)

Figure 50. APAC Active Optically Pumped Semiconductor Lasers Sales Market Share by Application (2019-2024)

Figure 51. China Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 52. Japan Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 53. South Korea Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 54. Southeast Asia Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 55. India Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 56. Australia Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 57. China Taiwan Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 58. Europe Active Optically Pumped Semiconductor Lasers Sales Market Share by Country in 2023

Figure 59. Europe Active Optically Pumped Semiconductor Lasers Revenue Market Share by Country in 2023

Figure 60. Europe Active Optically Pumped Semiconductor Lasers Sales Market Share by Type (2019-2024)

Figure 61. Europe Active Optically Pumped Semiconductor Lasers Sales Market Share by Application (2019-2024)

Figure 62. Germany Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 63. France Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 64. UK Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 65. Italy Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 66. Russia Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 67. Middle East & Africa Active Optically Pumped Semiconductor Lasers Sales Market Share by Country in 2023

Figure 68. Middle East & Africa Active Optically Pumped Semiconductor Lasers Revenue Market Share by Country in 2023

Figure 69. Middle East & Africa Active Optically Pumped Semiconductor Lasers Sales Market Share by Type (2019-2024)

Figure 70. Middle East & Africa Active Optically Pumped Semiconductor Lasers Sales Market Share by Application (2019-2024)

Figure 71. Egypt Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 72. South Africa Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 73. Israel Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 74. Turkey Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 75. GCC Country Active Optically Pumped Semiconductor Lasers Revenue Growth 2019-2024 (\$ Millions)

Figure 76. Manufacturing Cost Structure Analysis of Active Optically Pumped Semiconductor Lasers in 2023

Figure 77. Manufacturing Process Analysis of Active Optically Pumped Semiconductor Lasers

Figure 78. Industry Chain Structure of Active Optically Pumped Semiconductor Lasers

Figure 79. Channels of Distribution

Figure 80. Global Active Optically Pumped Semiconductor Lasers Sales Market Forecast by Region (2025-2030)

Figure 81. Global Active Optically Pumped Semiconductor Lasers Revenue Market Share Forecast by Region (2025-2030)

Figure 82. Global Active Optically Pumped Semiconductor Lasers Sales Market Share Forecast by Type (2025-2030)

Figure 83. Global Active Optically Pumped Semiconductor Lasers Revenue Market



Share Forecast by Type (2025-2030)

Figure 84. Global Active Optically Pumped Semiconductor Lasers Sales Market Share Forecast by Application (2025-2030)

Figure 85. Global Active Optically Pumped Semiconductor Lasers Revenue Market Share Forecast by Application (2025-2030)

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