

Global SLM Lasers Market Research Report 2024(Status and Outlook)

<https://marketpublishers.com/r/G2916678A167EN.html>

Date: December 2024

Pages: 156

Price: US\$ 2,800.00 (Single User License)

ID: G2916678A167EN

Abstracts

Report Overview

SLM (Selective Laser Melting) lasers are a critical component in additive manufacturing processes, particularly in the production of complex metal parts. These lasers use high-powered beams to selectively melt and fuse metallic powders layer by layer, enabling the creation of intricate and customized components. The market for SLM lasers is positioned at the intersection of advanced manufacturing and technology, catering to industries such as aerospace, automotive, healthcare, and more.

As of 2023, the global market size for SLM lasers stands at approximately \$290 million. This market is expected to grow at a projected CAGR of 12.45% from 2024 to 2032. Several key factors are driving this growth, including the increasing adoption of additive manufacturing technologies across industries, the demand for lightweight and durable components, and the drive towards more sustainable manufacturing processes.

One prominent trend in the SLM laser market is the shift towards multi-laser systems. Manufacturers are increasingly integrating multiple lasers into a single system to enhance productivity and efficiency. This trend is driven by the need for faster production speeds and the ability to work on larger parts. For example, companies like EOS and Concept Laser have introduced machines with multiple lasers to meet the growing demand for high-volume production.

Another notable trend is the focus on material innovation. As industries seek to expand the range of materials that can be processed using SLM technology, there is a growing emphasis on developing new metal powders with enhanced properties. For instance, the introduction of new alloys like titanium aluminide and nickel-based superalloys is

opening up opportunities for applications in aerospace and healthcare where lightweight and high-strength materials are crucial.

Furthermore, the market is witnessing a rise in the adoption of in-situ process monitoring and control systems. Real-time monitoring of the printing process allows for quality assurance, defect detection, and optimization of parameters, leading to higher efficiency and reliability in production. Companies like Renishaw and SLM Solutions are at the forefront of integrating such monitoring systems into their SLM machines.

In terms of regional market distribution, leading markets for SLM lasers include North America, Europe, and Asia Pacific. North America dominates due to the presence of a mature aerospace and automotive industry, coupled with significant investments in research and development. Europe follows closely, driven by advancements in healthcare and aerospace sectors. Asia Pacific is experiencing rapid growth, supported by increasing industrialization and the adoption of additive manufacturing in countries like China and Japan.

Despite the promising growth prospects, the SLM laser market faces challenges such as high initial investment costs, limited scalability for mass production, and the need for skilled operators. Overcoming these challenges will require continued innovation in machine design, material development, and process optimization to make SLM technology more accessible and cost-effective for a wider range of applications.

In conclusion, the market for SLM lasers is poised for significant growth driven by technological advancements, material innovations, and increasing adoption across industries. Companies that focus on enhancing productivity, expanding material capabilities, and addressing market challenges will be well-positioned to capitalize on the opportunities presented by the evolving landscape of additive manufacturing.

This report provides a deep insight into the global SLM Lasers market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global SLM Lasers Market, this report introduces in detail the market share, market

performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the SLM Lasers market in any manner.

Global SLM Lasers Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

IPG Photonics

NKT Photonics

H?BNER PHOTONICS

Lumibird

TOPTICA

Optromix

ALPHALAS

IxBlue

NP Photonics

Connet Laser Technology

Coherent (Ondax)

CrystaLaser

Focusing Optics

MPB Communications

Thorlabs

Market Segmentation (by Type)

Single Wavelength Fiber Laser

Single Wavelength Diode Laser

Single Wavelength Solid State Laser

Market Segmentation (by Application)

Lidar

Optical Communication

Laser Weapon

High-precision Spectral Measuring Instrument

Laser Medical Device

Other

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-

Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the SLM Lasers Market

Overview of the regional outlook of the SLM Lasers Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the SLM Lasers Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of SLM Lasers

1.2 Key Market Segments

1.2.1 SLM Lasers Segment by Type

1.2.2 SLM Lasers Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 SLM LASERS MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global SLM Lasers Market Size (M USD) Estimates and Forecasts (2019-2032)

2.1.2 Global SLM Lasers Sales Estimates and Forecasts (2019-2032)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

2.4 Macroeconomic Analysis

3 SLM LASERS MARKET COMPETITIVE LANDSCAPE

3.1 Global SLM Lasers Sales by Manufacturers (2019-2024)

3.2 Global SLM Lasers Revenue Market Share by Manufacturers (2019-2024)

3.3 SLM Lasers Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.4 Global SLM Lasers Average Price by Manufacturers (2019-2024)

3.5 Manufacturers SLM Lasers Sales Sites, Area Served, Product Type

3.6 SLM Lasers Market Competitive Situation and Trends

3.6.1 SLM Lasers Market Concentration Rate

3.6.2 Global 5 and 10 Largest SLM Lasers Players Market Share by Revenue

3.6.3 Mergers & Acquisitions, Expansion

4 SLM LASERS INDUSTRY CHAIN ANALYSIS

4.1 SLM Lasers Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF SLM LASERS MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Market Restraints

5.5 Industry News

5.5.1 New Product Developments

5.5.2 Mergers & Acquisitions

5.5.3 Expansions

5.5.4 Collaboration/Supply Contracts

5.6 Industry Policies

6 SLM LASERS MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global SLM Lasers Sales Market Share by Type (2019-2024)

6.3 Global SLM Lasers Market Size Market Share by Type (2019-2024)

6.4 Global SLM Lasers Price by Type (2019-2024)

7 SLM LASERS MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global SLM Lasers Market Sales by Application (2019-2024)

7.3 Global SLM Lasers Market Size (M USD) by Application (2019-2024)

7.4 Global SLM Lasers Sales Growth Rate by Application (2019-2024)

8 SLM LASERS MARKET SALES BY REGION

8.1 Global SLM Lasers Sales by Region

8.1.1 Global SLM Lasers Sales by Region

8.1.2 Global SLM Lasers Sales Market Share by Region

8.2 Global SLM Lasers Market Size by Region

8.2.1 Global SLM Lasers Market Size by Region

8.2.2 Global SLM Lasers Market Size Market Share by Region

8.3 North America

8.3.1 North America SLM Lasers Sales by Country

8.3.2 North America SLM Lasers Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe SLM Lasers Sales by Country

8.4.2 Europe SLM Lasers Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Russia Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific SLM Lasers Sales by Region

8.5.2 China

8.5.3 Japan

8.5.4 South Korea

8.5.5 India

8.5.6 Southeast Asia

8.6 Asia Pacific

8.6.1 Asia Pacific SLM Lasers Market Size by Region

8.6.2 Asia Pacific SLM Lasers Market Size by Region

8.6.3 China

8.6.4 Japan

8.6.5 South Korea

8.6.6 India

8.6.7 Southeast Asia

8.7 South America

8.7.1 South America SLM Lasers Sales by Country

8.7.2 South America SLM Lasers Market Size by Country

8.7.3 Brazil

8.7.4 Argentina

8.7.5 Columbia

8.8 Middle East and Africa

8.8.1 Middle East and Africa SLM Lasers Sales by Region

8.8.2 Middle East and Africa SLM Lasers Market Size by Region

8.8.3 Saudi Arabia

- 8.8.4 UAE
- 8.8.5 Egypt
- 8.8.6 Nigeria
- 8.8.7 South Africa

9 SLM LASERS MARKET PRODUCTION BY REGION

- 9.1 Global Production of SLM Lasers by Region (2019-2024)
- 9.2 Global SLM Lasers Revenue Market Share by Region (2019-2024)
- 9.3 Global SLM Lasers Production, Revenue, Price and Gross Margin (2019-2024)
- 9.4 North America SLM Lasers Production
 - 9.4.1 North America SLM Lasers Production Growth Rate (2019-2024)
 - 9.4.2 North America SLM Lasers Production, Revenue, Price and Gross Margin (2019-2024)
- 9.5 Europe SLM Lasers Production
 - 9.5.1 Europe SLM Lasers Production Growth Rate (2019-2024)
 - 9.5.2 Europe SLM Lasers Production, Revenue, Price and Gross Margin (2019-2024)
- 9.6 Japan SLM Lasers Production (2019-2024)
 - 9.6.1 Japan SLM Lasers Production Growth Rate (2019-2024)
 - 9.6.2 Japan SLM Lasers Production, Revenue, Price and Gross Margin (2019-2024)
- 9.7 China SLM Lasers Production (2019-2024)
 - 9.7.1 China SLM Lasers Production Growth Rate (2019-2024)
 - 9.7.2 China SLM Lasers Production, Revenue, Price and Gross Margin (2019-2024)

10 KEY COMPANIES PROFILE

- 10.1 IPG Photonics
 - 10.1.1 IPG Photonics SLM Lasers Basic Information
 - 10.1.2 IPG Photonics SLM Lasers Product Overview
 - 10.1.3 IPG Photonics SLM Lasers Product Market Performance
 - 10.1.4 IPG Photonics Business Overview
 - 10.1.5 IPG Photonics SLM Lasers SWOT Analysis
 - 10.1.6 IPG Photonics Recent Developments
- 10.2 NKT Photonics
 - 10.2.1 NKT Photonics SLM Lasers Basic Information
 - 10.2.2 NKT Photonics SLM Lasers Product Overview
 - 10.2.3 NKT Photonics SLM Lasers Product Market Performance
 - 10.2.4 NKT Photonics Business Overview
 - 10.2.5 NKT Photonics SLM Lasers SWOT Analysis

10.2.6 NKT Photonics Recent Developments

10.3 H?BNER PHOTONICS

10.3.1 H?BNER PHOTONICS SLM Lasers Basic Information

10.3.2 H?BNER PHOTONICS SLM Lasers Product Overview

10.3.3 H?BNER PHOTONICS SLM Lasers Product Market Performance

10.3.4 H?BNER PHOTONICS SLM Lasers SWOT Analysis

10.3.5 H?BNER PHOTONICS Business Overview

10.3.6 H?BNER PHOTONICS Recent Developments

10.4 Lumibird

10.4.1 Lumibird SLM Lasers Basic Information

10.4.2 Lumibird SLM Lasers Product Overview

10.4.3 Lumibird SLM Lasers Product Market Performance

10.4.4 Lumibird Business Overview

10.4.5 Lumibird Recent Developments

10.5 TOPTICA

10.5.1 TOPTICA SLM Lasers Basic Information

10.5.2 TOPTICA SLM Lasers Product Overview

10.5.3 TOPTICA SLM Lasers Product Market Performance

10.5.4 TOPTICA Business Overview

10.5.5 TOPTICA Recent Developments

10.6 Optromix

10.6.1 Optromix SLM Lasers Basic Information

10.6.2 Optromix SLM Lasers Product Overview

10.6.3 Optromix SLM Lasers Product Market Performance

10.6.4 Optromix Business Overview

10.6.5 Optromix Recent Developments

10.7 ALPHALAS

10.7.1 ALPHALAS SLM Lasers Basic Information

10.7.2 ALPHALAS SLM Lasers Product Overview

10.7.3 ALPHALAS SLM Lasers Product Market Performance

10.7.4 ALPHALAS Business Overview

10.7.5 ALPHALAS Recent Developments

10.8 IxBlue

10.8.1 IxBlue SLM Lasers Basic Information

10.8.2 IxBlue SLM Lasers Product Overview

10.8.3 IxBlue SLM Lasers Product Market Performance

10.8.4 IxBlue Business Overview

10.8.5 IxBlue Recent Developments

10.9 NP Photonics

- 10.9.1 NP Photonics SLM Lasers Basic Information
- 10.9.2 NP Photonics SLM Lasers Product Overview
- 10.9.3 NP Photonics SLM Lasers Product Market Performance
- 10.9.4 NP Photonics Business Overview
- 10.9.5 NP Photonics Recent Developments
- 10.10 Connet Laser Technology
 - 10.10.1 Connet Laser Technology SLM Lasers Basic Information
 - 10.10.2 Connet Laser Technology SLM Lasers Product Overview
 - 10.10.3 Connet Laser Technology SLM Lasers Product Market Performance
 - 10.10.4 Connet Laser Technology Business Overview
 - 10.10.5 Connet Laser Technology Recent Developments
- 10.11 Coherent (Ondax)
 - 10.11.1 Coherent (Ondax) SLM Lasers Basic Information
 - 10.11.2 Coherent (Ondax) SLM Lasers Product Overview
 - 10.11.3 Coherent (Ondax) SLM Lasers Product Market Performance
 - 10.11.4 Coherent (Ondax) Business Overview
 - 10.11.5 Coherent (Ondax) Recent Developments
- 10.12 CrystaLaser
 - 10.12.1 CrystaLaser SLM Lasers Basic Information
 - 10.12.2 CrystaLaser SLM Lasers Product Overview
 - 10.12.3 CrystaLaser SLM Lasers Product Market Performance
 - 10.12.4 CrystaLaser Business Overview
 - 10.12.5 CrystaLaser Recent Developments
- 10.13 Focusing Optics
 - 10.13.1 Focusing Optics SLM Lasers Basic Information
 - 10.13.2 Focusing Optics SLM Lasers Product Overview
 - 10.13.3 Focusing Optics SLM Lasers Product Market Performance
 - 10.13.4 Focusing Optics Business Overview
 - 10.13.5 Focusing Optics Recent Developments
- 10.14 MPB Communications
 - 10.14.1 MPB Communications SLM Lasers Basic Information
 - 10.14.2 MPB Communications SLM Lasers Product Overview
 - 10.14.3 MPB Communications SLM Lasers Product Market Performance
 - 10.14.4 MPB Communications Business Overview
 - 10.14.5 MPB Communications Recent Developments
- 10.15 Thorlabs
 - 10.15.1 Thorlabs SLM Lasers Basic Information
 - 10.15.2 Thorlabs SLM Lasers Product Overview
 - 10.15.3 Thorlabs SLM Lasers Product Market Performance

10.15.4 Thorlabs Business Overview

10.15.5 Thorlabs Recent Developments

11 SLM LASERS MARKET FORECAST BY REGION

11.1 Global SLM Lasers Market Size Forecast

11.2 Global SLM Lasers Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe SLM Lasers Market Size Forecast by Country

11.2.3 Asia Pacific SLM Lasers Market Size Forecast by Region

11.2.4 South America SLM Lasers Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of SLM Lasers by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)

12.1 Global SLM Lasers Market Forecast by Type (2025-2032)

12.1.1 Global Forecasted Sales of SLM Lasers by Type (2025-2032)

12.1.2 Global SLM Lasers Market Size Forecast by Type (2025-2032)

12.1.3 Global Forecasted Price of SLM Lasers by Type (2025-2032)

12.2 Global SLM Lasers Market Forecast by Application (2025-2032)

12.2.1 Global SLM Lasers Sales (K Units) Forecast by Application

12.2.2 Global SLM Lasers Market Size (M USD) Forecast by Application (2025-2032)

13 CONCLUSION AND KEY FINDINGS

I would like to order

Product name: Global SLM Lasers Market Research Report 2024(Status and Outlook)

Product link: <https://marketpublishers.com/r/G2916678A167EN.html>

Price: US\$ 2,800.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G2916678A167EN.html>