

Global Air-cooled Laser Market Research Report 2026(Status and Outlook)

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Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on Air-cooled Laser competitive dynamics, regional economic interdependencies, and supply chain reconfigurations. Air-cooled laser is a laser that uses air flow to dissipate heat. It removes the heat generated by the laser through an internal or external air circulation system, thereby maintaining a stable operating temperature of the laser. As a laser device that can achieve heat dissipation without a water cooling system, air-cooled lasers are widely used in laser marking, welding, cutting, beauty treatment and other fields due to their compact structure, convenient maintenance and low cost. With the continuous improvement of industrial automation and the growing demand for miniaturized and highly integrated laser systems, the penetration rate of air-cooled lasers in industries such as consumer electronics, medical beauty, and precision manufacturing continues to increase, and they are especially favored by small and medium-sized enterprises and emerging markets. In addition, its advantages in energy saving and reducing operating costs are also in line with the current industrial trend of green manufacturing and energy conservation and environmental protection. However, air-cooled lasers still face some obvious challenges, such as limited heat dissipation capacity in high-power applications, which makes it impossible to operate stably in heavy industry or complex working conditions for a long time; at the same time, the air-cooling system is more sensitive to the external ambient temperature, and its performance is easily affected in high temperature or high dust environments. In addition, with the increase in market participants, product homogeneity is prominent, and price competition is fierce, which puts pressure on the profit margins of enterprises. In high-demand fields such as medical and communications, increasingly stringent regulations and technical certification thresholds have also put forward higher requirements on the R&D

capabilities and quality management systems of air-cooled laser manufacturers. These factors jointly influence the competitive landscape and future development path of the air-cooled laser market.

The global Air-cooled Laser market size was estimated at USD 1204.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 8.20% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Air-cooled Laser market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Air-cooled Laser market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Air-cooled Laser market.

Global Air-cooled Laser Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can

significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

Coherent
IPG Photonics
Laserline
TRUMPF
Photonics Industries International. Inc.
Reci Laser
Lumentum Operations LLC
CNTEC
Maxphotonics
Gztech Laser
GW Laser Tech
Epilog Laser
Sakar Technology
JPT
Raycus

Market Segmentation (by Type)

UV Laser
Continuous Fiber Laser
Other

Market Segmentation (by Application)

Industrial
Electronics and Semiconductors
Medical
Others

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 Air-cooled Laser Market
Overview of the regional outlook of the Air-cooled Laser Market:

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 Air-cooled Laser 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 shares the main producing countries of Air-cooled Laser, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 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 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

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 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

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of Air-cooled Laser

1.2 Key Market Segments

1.2.1 Air-cooled Laser Segment by Type

1.2.2 Air-cooled Laser 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 AIR-COOLED LASER MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global Air-cooled Laser Market Size (M USD) Estimates and Forecasts (2020-2035)

2.1.2 Global Air-cooled Laser Sales Estimates and Forecasts (2020-2035)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 AIR-COOLED LASER MARKET COMPETITIVE LANDSCAPE

3.1 Company Assessment Quadrant

3.2 Global Air-cooled Laser Product Life Cycle

3.3 Global Air-cooled Laser Sales by Manufacturers (2020-2025)

3.4 Global Air-cooled Laser Revenue Market Share by Manufacturers (2020-2025)

3.5 Air-cooled Laser Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Air-cooled Laser Average Price by Manufacturers (2020-2025)

3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types

3.8 Air-cooled Laser Market Competitive Situation and Trends

3.8.1 Air-cooled Laser Market Concentration Rate

3.8.2 Global 5 and 10 Largest Air-cooled Laser Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 AIR-COOLED LASER INDUSTRY CHAIN ANALYSIS

- 4.1 Air-cooled Laser 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 AIR-COOLED LASER MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global Air-cooled Laser Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to Air-cooled Laser Market
- 5.7 ESG Ratings of Leading Companies

6 AIR-COOLED LASER MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Air-cooled Laser Sales Market Share by Type (2020-2025)
- 6.3 Global Air-cooled Laser Market Size by Type (2020-2025)
- 6.4 Global Air-cooled Laser Price by Type (2020-2025)

7 AIR-COOLED LASER MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Air-cooled Laser Market Sales by Application (2020-2025)
- 7.3 Global Air-cooled Laser Market Size (M USD) by Application (2020-2025)

7.4 Global Air-cooled Laser Sales Growth Rate by Application (2020-2025)

8 AIR-COOLED LASER MARKET SALES BY REGION

8.1 Global Air-cooled Laser Sales by Region

8.1.1 Global Air-cooled Laser Sales by Region

8.1.2 Global Air-cooled Laser Sales Market Share by Region

8.2 Global Air-cooled Laser Market Size by Region

8.2.1 Global Air-cooled Laser Market Size by Region

8.2.2 Global Air-cooled Laser Market Size by Region

8.3 North America

8.3.1 North America Air-cooled Laser Sales by Country

8.3.2 North America Air-cooled Laser 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 Air-cooled Laser Sales by Country

8.4.2 Europe Air-cooled Laser 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 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific Air-cooled Laser Sales by Region

8.5.2 Asia Pacific Air-cooled Laser Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America Air-cooled Laser Sales by Country

8.6.2 South America Air-cooled Laser Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

- 8.7.1 Middle East and Africa Air-cooled Laser Sales by Region
- 8.7.2 Middle East and Africa Air-cooled Laser Market Size by Region
- 8.7.3 Saudi Arabia Market Overview
- 8.7.4 UAE Market Overview
- 8.7.5 Egypt Market Overview
- 8.7.6 Nigeria Market Overview
- 8.7.7 South Africa Market Overview

9 AIR-COOLED LASER MARKET PRODUCTION BY REGION

- 9.1 Global Production of Air-cooled Laser by Region(2020-2025)
- 9.2 Global Air-cooled Laser Revenue Market Share by Region (2020-2025)
- 9.3 Global Air-cooled Laser Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America Air-cooled Laser Production
 - 9.4.1 North America Air-cooled Laser Production Growth Rate (2020-2025)
 - 9.4.2 North America Air-cooled Laser Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe Air-cooled Laser Production
 - 9.5.1 Europe Air-cooled Laser Production Growth Rate (2020-2025)
 - 9.5.2 Europe Air-cooled Laser Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan Air-cooled Laser Production (2020-2025)
 - 9.6.1 Japan Air-cooled Laser Production Growth Rate (2020-2025)
 - 9.6.2 Japan Air-cooled Laser Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China Air-cooled Laser Production (2020-2025)
 - 9.7.1 China Air-cooled Laser Production Growth Rate (2020-2025)
 - 9.7.2 China Air-cooled Laser Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

- 10.1 Coherent
 - 10.1.1 Coherent Basic Information
 - 10.1.2 Coherent Air-cooled Laser Product Overview
 - 10.1.3 Coherent Air-cooled Laser Product Market Performance
 - 10.1.4 Coherent Business Overview
 - 10.1.5 Coherent SWOT Analysis
 - 10.1.6 Coherent Recent Developments

10.2 IPG Photonics

10.2.1 IPG Photonics Basic Information

10.2.2 IPG Photonics Air-cooled Laser Product Overview

10.2.3 IPG Photonics Air-cooled Laser Product Market Performance

10.2.4 IPG Photonics Business Overview

10.2.5 IPG Photonics SWOT Analysis

10.2.6 IPG Photonics Recent Developments

10.3 Laserline

10.3.1 Laserline Basic Information

10.3.2 Laserline Air-cooled Laser Product Overview

10.3.3 Laserline Air-cooled Laser Product Market Performance

10.3.4 Laserline Business Overview

10.3.5 Laserline SWOT Analysis

10.3.6 Laserline Recent Developments

10.4 TRUMPF

10.4.1 TRUMPF Basic Information

10.4.2 TRUMPF Air-cooled Laser Product Overview

10.4.3 TRUMPF Air-cooled Laser Product Market Performance

10.4.4 TRUMPF Business Overview

10.4.5 TRUMPF Recent Developments

10.5 Photonics Industries International. Inc.

10.5.1 Photonics Industries International. Inc. Basic Information

10.5.2 Photonics Industries International. Inc. Air-cooled Laser Product Overview

10.5.3 Photonics Industries International. Inc. Air-cooled Laser Product Market

Performance

10.5.4 Photonics Industries International. Inc. Business Overview

10.5.5 Photonics Industries International. Inc. Recent Developments

10.6 Reci Laser

10.6.1 Reci Laser Basic Information

10.6.2 Reci Laser Air-cooled Laser Product Overview

10.6.3 Reci Laser Air-cooled Laser Product Market Performance

10.6.4 Reci Laser Business Overview

10.6.5 Reci Laser Recent Developments

10.7 Lumentum Operations LLC

10.7.1 Lumentum Operations LLC Basic Information

10.7.2 Lumentum Operations LLC Air-cooled Laser Product Overview

10.7.3 Lumentum Operations LLC Air-cooled Laser Product Market Performance

10.7.4 Lumentum Operations LLC Business Overview

10.7.5 Lumentum Operations LLC Recent Developments

10.8 CNTEC

- 10.8.1 CNTEC Basic Information
- 10.8.2 CNTEC Air-cooled Laser Product Overview
- 10.8.3 CNTEC Air-cooled Laser Product Market Performance
- 10.8.4 CNTEC Business Overview
- 10.8.5 CNTEC Recent Developments

10.9 Maxphotonics

- 10.9.1 Maxphotonics Basic Information
- 10.9.2 Maxphotonics Air-cooled Laser Product Overview
- 10.9.3 Maxphotonics Air-cooled Laser Product Market Performance
- 10.9.4 Maxphotonics Business Overview
- 10.9.5 Maxphotonics Recent Developments

10.10 Gztech Laser

- 10.10.1 Gztech Laser Basic Information
- 10.10.2 Gztech Laser Air-cooled Laser Product Overview
- 10.10.3 Gztech Laser Air-cooled Laser Product Market Performance
- 10.10.4 Gztech Laser Business Overview
- 10.10.5 Gztech Laser Recent Developments

10.11 GW Laser Tech

- 10.11.1 GW Laser Tech Basic Information
- 10.11.2 GW Laser Tech Air-cooled Laser Product Overview
- 10.11.3 GW Laser Tech Air-cooled Laser Product Market Performance
- 10.11.4 GW Laser Tech Business Overview
- 10.11.5 GW Laser Tech Recent Developments

10.12 Epilog Laser

- 10.12.1 Epilog Laser Basic Information
- 10.12.2 Epilog Laser Air-cooled Laser Product Overview
- 10.12.3 Epilog Laser Air-cooled Laser Product Market Performance
- 10.12.4 Epilog Laser Business Overview
- 10.12.5 Epilog Laser Recent Developments

10.13 Sakar Technology

- 10.13.1 Sakar Technology Basic Information
- 10.13.2 Sakar Technology Air-cooled Laser Product Overview
- 10.13.3 Sakar Technology Air-cooled Laser Product Market Performance
- 10.13.4 Sakar Technology Business Overview
- 10.13.5 Sakar Technology Recent Developments

10.14 JPT

- 10.14.1 JPT Basic Information
- 10.14.2 JPT Air-cooled Laser Product Overview

10.14.3 JPT Air-cooled Laser Product Market Performance

10.14.4 JPT Business Overview

10.14.5 JPT Recent Developments

10.15 Raycus

10.15.1 Raycus Basic Information

10.15.2 Raycus Air-cooled Laser Product Overview

10.15.3 Raycus Air-cooled Laser Product Market Performance

10.15.4 Raycus Business Overview

10.15.5 Raycus Recent Developments

11 AIR-COOLED LASER MARKET FORECAST BY REGION

11.1 Global Air-cooled Laser Market Size Forecast

11.2 Global Air-cooled Laser Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Air-cooled Laser Market Size Forecast by Country

11.2.3 Asia Pacific Air-cooled Laser Market Size Forecast by Region

11.2.4 South America Air-cooled Laser Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Air-cooled Laser by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

12.1 Global Air-cooled Laser Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of Air-cooled Laser by Type (2026-2035)

12.1.2 Global Air-cooled Laser Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of Air-cooled Laser by Type (2026-2035)

12.2 Global Air-cooled Laser Market Forecast by Application (2026-2035)

12.2.1 Global Air-cooled Laser Sales (K Units) Forecast by Application

12.2.2 Global Air-cooled Laser Market Size (M USD) Forecast by Application
(2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type
Table 2. Introduction of the Application
Table 3. Global Air-cooled Laser Market Size by Type (M USD)
Table 4. Global Air-cooled Laser Market Size by Application
Table 5. Air-cooled Laser Market Size Comparison by Region (M USD)
Table 6. Global Air-cooled Laser Sales (K Units) by Manufacturers (2020-2025)
Table 7. Global Air-cooled Laser Sales Market Share by Manufacturers (2020-2025)
Table 8. Global Air-cooled Laser Revenue (M USD) by Manufacturers (2020-2025)
Table 9. Global Air-cooled Laser Revenue Share by Manufacturers (2020-2025)
Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Air-cooled Laser as of 2025)
Table 11. Global Market Air-cooled Laser Average Price (USD/Unit) of Key Manufacturers (2020-2025)
Table 12. Manufacturers? Manufacturing Sites, Areas Served
Table 13. Manufacturers? Product Type
Table 14. Global Air-cooled Laser Manufacturers Market Concentration Ratio (CR5 and HHI)
Table 15. Mergers & Acquisitions, Expansion Plans
Table 16. Market Overview of Key Raw Materials
Table 17. Midstream Market Analysis
Table 18. Downstream Customer Analysis
Table 19. Key Development Trends
Table 20. Driving Factors
Table 21. Air-cooled Laser Market Challenges
Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026
Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027
Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026
Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries
Table 26. Global Air-cooled Laser Sales by Type (K Units)
Table 27. Global Air-cooled Laser Market Size by Type (M USD)
Table 28. Global Air-cooled Laser Sales (K Units) by Type (2020-2025)
Table 29. Global Air-cooled Laser Sales Market Share by Type (2020-2025)
Table 30. Global Air-cooled Laser Market Size (M USD) by Type (2020-2025)
Table 31. Global Air-cooled Laser Market Share by Type (2020-2025)

Table 32. Global Air-cooled Laser Price (USD/Unit) by Type (2020-2025)
Table 33. Global Air-cooled Laser Sales (K Units) by Application
Table 34. Global Air-cooled Laser Market Size by Application
Table 35. Global Air-cooled Laser Sales by Application (2020-2025) & (K Units)
Table 36. Global Air-cooled Laser Sales Market Share by Application (2020-2025)
Table 37. Global Air-cooled Laser Market Size by Application (2020-2025) & (M USD)
Table 38. Global Air-cooled Laser Market Share by Application (2020-2025)
Table 39. Global Air-cooled Laser Sales Growth Rate by Application (2020-2025)
Table 40. Global Air-cooled Laser Sales by Region (2020-2025) & (K Units)
Table 41. Global Air-cooled Laser Sales Market Share by Region (2020-2025)
Table 42. Global Air-cooled Laser Market Size by Region (2020-2025) & (M USD)
Table 43. Global Air-cooled Laser Market Size by Region (2020-2025)
Table 44. North America Air-cooled Laser Sales by Country (2020-2025) & (K Units)
Table 45. North America Air-cooled Laser Market Size by Country (2020-2025) & (M USD)
Table 46. Europe Air-cooled Laser Sales by Country (2020-2025) & (K Units)
Table 47. Europe Air-cooled Laser Market Size by Country (2020-2025) & (M USD)
Table 48. Asia Pacific Air-cooled Laser Sales by Region (2020-2025) & (K Units)
Table 49. Asia Pacific Air-cooled Laser Market Size by Region (2020-2025) & (M USD)
Table 50. South America Air-cooled Laser Sales by Country (2020-2025) & (K Units)
Table 51. South America Air-cooled Laser Market Size by Country (2020-2025) & (M USD)
Table 52. Middle East and Africa Air-cooled Laser Sales by Region (2020-2025) & (K Units)
Table 53. Middle East and Africa Air-cooled Laser Market Size by Region (2020-2025) & (M USD)
Table 54. Global Air-cooled Laser Production (K Units) by Region(2020-2025)
Table 55. Global Air-cooled Laser Revenue (US\$ Million) by Region (2020-2025)
Table 56. Global Air-cooled Laser Revenue Market Share by Region (2020-2025)
Table 57. Global Air-cooled Laser Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 58. North America Air-cooled Laser Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 59. Europe Air-cooled Laser Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 60. Japan Air-cooled Laser Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 61. China Air-cooled Laser Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 62. Coherent Basic Information
Table 63. Coherent Air-cooled Laser Product Overview
Table 64. Coherent Air-cooled Laser Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 65. Coherent Business Overview
Table 66. Coherent SWOT Analysis
Table 67. Coherent Recent Developments
Table 68. IPG Photonics Basic Information
Table 69. IPG Photonics Air-cooled Laser Product Overview
Table 70. IPG Photonics Air-cooled Laser Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 71. IPG Photonics Business Overview
Table 72. IPG Photonics SWOT Analysis
Table 73. IPG Photonics Recent Developments
Table 74. Laserline Basic Information
Table 75. Laserline Air-cooled Laser Product Overview
Table 76. Laserline Air-cooled Laser Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 77. Laserline Business Overview
Table 78. Laserline SWOT Analysis
Table 79. Laserline Recent Developments
Table 80. TRUMPF Basic Information
Table 81. TRUMPF Air-cooled Laser Product Overview
Table 82. TRUMPF Air-cooled Laser Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 83. TRUMPF Business Overview
Table 84. TRUMPF Recent Developments
Table 85. Photonics Industries International. Inc. Basic Information
Table 86. Photonics Industries International. Inc. Air-cooled Laser Product Overview
Table 87. Photonics Industries International. Inc. Air-cooled Laser Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 88. Photonics Industries International. Inc. Business Overview
Table 89. Photonics Industries International. Inc. Recent Developments
Table 90. Reci Laser Basic Information
Table 91. Reci Laser Air-cooled Laser Product Overview
Table 92. Reci Laser Air-cooled Laser Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 93. Reci Laser Business Overview
Table 94. Reci Laser Recent Developments

Table 95. Lumentum Operations LLC Basic Information
Table 96. Lumentum Operations LLC Air-cooled Laser Product Overview
Table 97. Lumentum Operations LLC Air-cooled Laser Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 98. Lumentum Operations LLC Business Overview
Table 99. Lumentum Operations LLC Recent Developments
Table 100. CNTEC Basic Information
Table 101. CNTEC Air-cooled Laser Product Overview
Table 102. CNTEC Air-cooled Laser Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 103. CNTEC Business Overview
Table 104. CNTEC Recent Developments
Table 105. Maxphotonics Basic Information
Table 106. Maxphotonics Air-cooled Laser Product Overview
Table 107. Maxphotonics Air-cooled Laser Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 108. Maxphotonics Business Overview
Table 109. Maxphotonics Recent Developments
Table 110. Gztech Laser Basic Information
Table 111. Gztech Laser Air-cooled Laser Product Overview
Table 112. Gztech Laser Air-cooled Laser Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 113. Gztech Laser Business Overview
Table 114. Gztech Laser Recent Developments
Table 115. GW Laser Tech Basic Information
Table 116. GW Laser Tech Air-cooled Laser Product Overview
Table 117. GW Laser Tech Air-cooled Laser Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 118. GW Laser Tech Business Overview
Table 119. GW Laser Tech Recent Developments
Table 120. Epilog Laser Basic Information
Table 121. Epilog Laser Air-cooled Laser Product Overview
Table 122. Epilog Laser Air-cooled Laser Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 123. Epilog Laser Business Overview
Table 124. Epilog Laser Recent Developments
Table 125. Sakar Technology Basic Information
Table 126. Sakar Technology Air-cooled Laser Product Overview
Table 127. Sakar Technology Air-cooled Laser Sales (K Units), Revenue (M USD),

Price (USD/Unit) and Gross Margin (2020-2025)

Table 128. Sakar Technology Business Overview

Table 129. Sakar Technology Recent Developments

Table 130. JPT Basic Information

Table 131. JPT Air-cooled Laser Product Overview

Table 132. JPT Air-cooled Laser Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 133. JPT Business Overview

Table 134. JPT Recent Developments

Table 135. Raycus Basic Information

Table 136. Raycus Air-cooled Laser Product Overview

Table 137. Raycus Air-cooled Laser Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 138. Raycus Business Overview

Table 139. Raycus Recent Developments

Table 140. Global Air-cooled Laser Sales Forecast by Region (2026-2035) & (K Units)

Table 141. Global Air-cooled Laser Market Size Forecast by Region (2026-2035) & (M USD)

Table 142. North America Air-cooled Laser Sales Forecast by Country (2026-2035) & (K Units)

Table 143. North America Air-cooled Laser Market Size Forecast by Country (2026-2035) & (M USD)

Table 144. Europe Air-cooled Laser Sales Forecast by Country (2026-2035) & (K Units)

Table 145. Europe Air-cooled Laser Market Size Forecast by Country (2026-2035) & (M USD)

Table 146. Asia Pacific Air-cooled Laser Sales Forecast by Region (2026-2035) & (K Units)

Table 147. Asia Pacific Air-cooled Laser Market Size Forecast by Region (2026-2035) & (M USD)

Table 148. South America Air-cooled Laser Sales Forecast by Country (2026-2035) & (K Units)

Table 149. South America Air-cooled Laser Market Size Forecast by Country (2026-2035) & (M USD)

Table 150. Middle East and Africa Air-cooled Laser Sales Forecast by Country (2026-2035) & (Units)

Table 151. Middle East and Africa Air-cooled Laser Market Size Forecast by Country (2026-2035) & (M USD)

Table 152. Global Air-cooled Laser Sales Forecast by Type (2026-2035) & (K Units)

Table 153. Global Air-cooled Laser Market Size Forecast by Type (2026-2035) & (M

USD)

Table 154. Global Air-cooled Laser Price Forecast by Type (2026-2035) & (USD/Unit)

Table 155. Global Air-cooled Laser Sales (K Units) Forecast by Application (2026-2035)

Table 156. Global Air-cooled Laser Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Air-cooled Laser
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Air-cooled Laser Market Size (M USD), 2025-2035
- Figure 5. Global Air-cooled Laser Market Size (M USD) (2020-2035)
- Figure 6. Global Air-cooled Laser Sales (K Units) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Air-cooled Laser Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Air-cooled Laser Product Life Cycle
- Figure 13. Air-cooled Laser Sales Share by Manufacturers in 2025
- Figure 14. Global Air-cooled Laser Revenue Share by Manufacturers in 2025
- Figure 15. Air-cooled Laser Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Air-cooled Laser Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Air-cooled Laser Revenue in 2025
- Figure 18. Industry Chain Map of Air-cooled Laser
- Figure 19. Global Air-cooled Laser Market PEST Analysis
- Figure 20. Global Air-cooled Laser Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Air-cooled Laser Market Share by Type
- Figure 27. Sales Market Share of Air-cooled Laser by Type (2020-2025)
- Figure 28. Sales Market Share of Air-cooled Laser by Type in 2025
- Figure 29. Market Share of Air-cooled Laser by Type (2020-2025)
- Figure 30. Market Share of Air-cooled Laser by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global Air-cooled Laser Market Share by Application

- Figure 33. Global Air-cooled Laser Sales Market Share by Application (2020-2025)
- Figure 34. Global Air-cooled Laser Sales Market Share by Application in 2025
- Figure 35. Global Air-cooled Laser Market Share by Application (2020-2025)
- Figure 36. Global Air-cooled Laser Market Share by Application in 2025
- Figure 37. Global Air-cooled Laser Sales Growth Rate by Application (2020-2025)
- Figure 38. Global Air-cooled Laser Sales Market Share by Region (2020-2025)
- Figure 39. Global Air-cooled Laser Market Size by Region (2020-2025)
- Figure 40. North America Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)
- Figure 41. North America Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)
- Figure 42. North America Air-cooled Laser Sales Market Share by Country in 2024
- Figure 43. North America Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America Air-cooled Laser Market Size by Country in 2024
- Figure 45. U.S. Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)
- Figure 46. U.S. Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada Air-cooled Laser Sales (K Units) and Growth Rate (2020-2025)
- Figure 48. Canada Air-cooled Laser Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico Air-cooled Laser Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico Air-cooled Laser Market Size (Units) and Growth Rate (2020-2025)
- Figure 51. Europe Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)
- Figure 52. Europe Air-cooled Laser Sales Market Share by Country in 2024
- Figure 53. Europe Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 54. Europe Air-cooled Laser Market Size by Country in 2024
- Figure 55. Germany Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)
- Figure 56. Germany Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 57. France Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)
- Figure 58. France Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 59. U.K. Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)
- Figure 60. U.K. Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 61. Italy Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)
- Figure 62. Italy Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 63. Spain Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)
- Figure 64. Spain Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M

USD)

Figure 65. Asia Pacific Air-cooled Laser Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Air-cooled Laser Sales Market Share by Region in 2024

Figure 67. Asia Pacific Air-cooled Laser Market Size by Region in 2024

Figure 68. China Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Air-cooled Laser Sales and Growth Rate (K Units)

Figure 79. South America Air-cooled Laser Sales Market Share by Country in 2024

Figure 80. South America Air-cooled Laser Market Size and Growth Rate (M USD)

Figure 81. South America Air-cooled Laser Market Size by Country in 2024

Figure 82. Brazil Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Air-cooled Laser Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Air-cooled Laser Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Air-cooled Laser Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Air-cooled Laser Market Size by Region in 2024

Figure 92. Saudi Arabia Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Air-cooled Laser Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Air-cooled Laser Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Air-cooled Laser Production Market Share by Region (2020-2025)

Figure 103. North America Air-cooled Laser Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Air-cooled Laser Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Air-cooled Laser Production (K Units) Growth Rate (2020-2025)

Figure 106. China Air-cooled Laser Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Air-cooled Laser Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global Air-cooled Laser Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Air-cooled Laser Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global Air-cooled Laser Market Share Forecast by Type (2026-2035)

Figure 111. Global Air-cooled Laser Sales Forecast by Application (2026-2035)

Figure 112. Global Air-cooled Laser Market Share Forecast by Application (2026-2035)

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