

# Global Ring Spot Fiber Laser Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Ring Spot Fiber Laser market size was valued at US\$ 98 million in 2025 and is forecast to a readjusted size of US\$ 196 million by 2032 with a CAGR of 10.4% during review period.

In 2025, global Ring Spot Fiber Laser production reached approximately 1.2k units, with an average global market price of around US\$800k per unit.

A ring-spot fiber laser (often implemented as core-plus-ring dual-beam or adjustable ring-mode technology) is an industrial fiber laser that delivers a bright central core beam surrounded by a concentric annular ring beam through a single output, with independently adjustable power/modulation between the beams. This enables tighter control of melt-pool dynamics and heat distribution, improving process stability and reducing spatter/defects—especially for reflective metals (Cu/Al) and high-speed welding—compared with a single Gaussian spot.

Upstream includes pump laser diodes, Yb-doped active/specialty fibers, combiners/isolators, high-power coated optics, ring-beam shaping and delivery (e.g., core-and-ring transmission/light-cable concepts), power electronics & controls, and thermal management. Representative upstream/technology players include Lumentum (fiber-laser pumping diodes), nLIGHT/LIEKKI (ytterbium-doped fibers), and ring/dual-beam industrial platforms from Coherent (ARM), IPG Photonics (AMB), and TRUMPF (BrightLine Weld/Mode). Downstream, these sources are integrated into welding heads/scan systems and robotic workcells, ultimately serving e-mobility and battery manufacturing (tabs/busbars, Cu/Al joining, hairpin motors), automotive and components, electronics/precision metals, and medical devices.

This report is a detailed and comprehensive analysis for global Ring Spot Fiber Laser market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Ring Spot Fiber Laser market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Ring Spot Fiber Laser market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Ring Spot Fiber Laser market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Ring Spot Fiber Laser market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2021-2026

### **The Primary Objectives in This Report Are:**

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Ring Spot Fiber Laser
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Ring Spot Fiber Laser market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Precitec, IPG Photonics, Holo/Or, Japan Unix, Amada Weld Tech, ABICOR BINZEL, Scansonic, Huaqin Laser, Han's Laser, United Winners Laser, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## **Market Segmentation**

Ring Spot Fiber Laser market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Center Beam

Circular Beam

### Market segment by Cooling Method

Air-cooled

Water-cooled

### Market segment by Application

Lithium Batteries

Mechanical Equipment

Automotive

Aerospace

Marine

Others

## Major players covered

Precitec

IPG Photonics

Holo/Or

Japan Unix

Amada Weld Tech

ABICOR BINZEL

Scansonic

Huaqin Laser

Han's Laser

United Winners Laser

WSX Laser

Shenzhen BCX Laser

Feibo Laser

Whlaser

Yiweixin Laser

## Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Ring Spot Fiber Laser product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Ring Spot Fiber Laser, with price, sales quantity, revenue, and global market share of Ring Spot Fiber Laser from 2021 to 2026.

Chapter 3, the Ring Spot Fiber Laser competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Ring Spot Fiber Laser breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Ring Spot Fiber Laser market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Ring Spot Fiber Laser.

Chapter 14 and 15, to describe Ring Spot Fiber Laser sales channel, distributors, customers, research findings and conclusion.

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