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Global 976 nm High Power Fiber Laser Chip Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global 976 nm High Power Fiber Laser Chip market size is expected to reach $ 1705 million by 2032, rising at a market growth of 11.3% CAGR during the forecast period (2026-2032).

In 2025, global 976 nm High Power Fiber Laser Chip production reached approximately 20.53 million units, with an average global market price of around US$38 per unit.

The gross profit margin of major companies in the industry is between 30% ? 50%.

In 2025, the global production capacity of 976 nm High Power Fiber Laser Chip was approximately 27.37 million units.

976 nm High Power Fiber Laser Chip is a semiconductor laser chip used as a pump source for high-power fiber lasers. It provides efficient optical output, stable wavelength performance, and high reliability, supporting industrial cutting, welding, marking, medical devices, and scientific laser systems.

The industrial chain includes upstream semiconductor wafers, epitaxy materials, electrodes, coatings, substrates, and packaging materials. Midstream covers epitaxy growth, chip fabrication, facet coating, testing, packaging, and burn-in. Downstream applications mainly include fiber laser modules, industrial laser equipment, medical lasers, communications, and research instruments.

This report studies the global 976 nm High Power Fiber Laser Chip production, demand, key manufacturers, and key regions.

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This report is a detailed and comprehensive analysis of the world market for 976 nm High Power Fiber Laser Chip and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of 976 nm High Power Fiber Laser Chip that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global 976 nm High Power Fiber Laser Chip total production and demand, 2021-2032, (K Units)
Global 976 nm High Power Fiber Laser Chip total production value, 2021-2032, (USD Million)
Global 976 nm High Power Fiber Laser Chip production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)
Global 976 nm High Power Fiber Laser Chip consumption by region & country, CAGR, 2021-2032 & (K Units)
U.S. VS China: 976 nm High Power Fiber Laser Chip domestic production, consumption, key domestic manufacturers and share
Global 976 nm High Power Fiber Laser Chip production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)
Global 976 nm High Power Fiber Laser Chip production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)
Global 976 nm High Power Fiber Laser Chip production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global 976 nm High Power Fiber Laser Chip market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include II-VI Incorporated, Lumentum, nLight, IPG, Coherent, Dilas, Jenoptic, Osram, NeoPhotonics, Broadcom, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World 976 nm High Power Fiber Laser Chip market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$

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Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global 976 nm High Power Fiber Laser Chip Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global 976 nm High Power Fiber Laser Chip Market, Segmentation by Type:

Single Emitter Laser Chip

Multi-emitter Laser Chip

Laser Diode Array Chip

Global 976 nm High Power Fiber Laser Chip Market, Segmentation by Packaging Type:

Bare Die Laser Chip

C-mount Laser Chip

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Bar-mounted Laser Chip

Global 976 nm High Power Fiber Laser Chip Market, Segmentation by Output Power Per Chip:

Low Power Chip (?10W)

Medium Power Chip (10?50W)

High Power Chip (?50W)

Global 976 nm High Power Fiber Laser Chip Market, Segmentation by Application:

Industrial Laser Processing

Medical Laser Equipment

Scientific Research Equipment

Other

Companies Profiled:

II-VI Incorporated

Lumentum

nLight

IPG

Coherent

Dilas

Jenoptic

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Osram

NeoPhotonics

Broadcom

Raybow Opto

Suzhou Everbright Photonics

Wuhan Bright Diode Laser Technologies

Yuanjie Semiconductor Technology

Key Questions Answered:
1. How big is the global 976 nm High Power Fiber Laser Chip market?
2. What is the demand of the global 976 nm High Power Fiber Laser Chip market?
3. What is the year over year growth of the global 976 nm High Power Fiber Laser Chip market?
4. What is the production and production value of the global 976 nm High Power Fiber Laser Chip market?
5. Who are the key producers in the global 976 nm High Power Fiber Laser Chip market?
6. What are the growth factors driving the market demand?

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