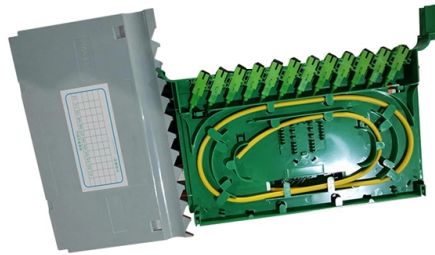


Ipg single-mode fiber



Overview

IPG single-mode fiber lasers are defined by smaller spot sizes, better beam qualities, and higher powers. Higher beam qualities enable faster process speed, increased quality, and reduced heat input for. From single-mode fiber lasers to multi-kilowatt industrial systems, IPG delivers the broadest portfolio of fiber laser sources and integrated processing solutions trusted by manufacturers in 100+ countries. From fiber laser sources and beam delivery optics to complete turnkey processing systems. IPG's YLR-SM Series represents a break-through generation of diode pumped single mode CW Ytterbium fiber lasers of near infrared spectral range ($\sim 1070\text{nm}$) with a unique combination of high power, ideal beam quality, fiber delivery, high wall-plug efficiency, compactness and reliability. These. Fiber laser and amplifier manufacturer IPG Photonics (Oxford, MA) announced successful test of its new 10 kW single-mode fiber laser, a world record in a production laser, with applications in remote cutting and welding as well as directed energy.



Article Content

Jun 27, 2025

IPG fiber laser system□Laser

Through a sales partnership with IPG Photonics Japan Co., Ltd., we sell laser processing equipment using IPG fiber laser oscillators as the source.

Apr 19, 2026

Continuous wave laser

GLR Series is a family of single-mode, single-frequency continuous wave (CW) green fiber lasers with output powers up to 100 W. Based on highly efficient and

Mar 23, 2026

IPG Photonics

IPG's YLS and YLR series fiber lasers deliver continuous-wave output from 500W to 120kW with wall-plug efficiency exceeding 50%. These single-module and multi-module configurations serve as the

Nov 24, 2025

The Widest Power Range of Single-Mode Industrial Lasers.

IPG single-mode fiber lasers are defined by smaller spot sizes, better beam qualities, and higher powers. By achieving the highest power densities available, IPG industrial single-mode fiber lasers

Nov 24, 2025

GLPN-500-QCW

The GLPN-500-QCW from IPG Photonics is a green single-mode fiber laser that operates at a wavelength of 532 nm. It delivers an output power of 500 W while

Dec 09, 2025

Single-Mode & Low Order Mode CW Lasers

High Brightness Industrial Design IPG single-mode and low order mode CW fiber YLS-SMx laser sources offer up to 30 kW of continuous power in a low order, low divergence beam to deliver the

Nov 21, 2025

IPG Photonics offers world's first 10 kW single-mode production laser

Fiber laser and amplifier manufacturer IPG Photonics (Oxford, MA) announced successful test of its new 10 kW single-mode fiber laser, a world record in a production laser, with applications in

Aug 10, 2025

Linearly Polarized & Single-Frequency Fiber Lasers

Linearly polarized fiber lasers emit light with a single preferred direction of oscillation, known as polarization. This stable, linearly polarized output makes these lasers valuable for applications where

Aug 23, 2025

Dual-Mode Fiber Lasers

Developed specifically to increase the speed of 3D metal printing, dual-mode fiber lasers combine single-mode and multi-mode outputs into a single fiber. Rapid optical switching allows users to swap

Aug 29, 2025

Fiber Lasers, Amplifiers, Diode & Hybrid Lasers

IPG Photonics is the world leader in fiber lasers. From industrial to scientific applications, we offer a wide variety of power, wavelengths, and pulse durations.

Jun 27, 2025

IPG Photonics

IPG opened a manufacturing and research facility in Berlin to develop the transmitter. A year later, IPG opened a facility near Frankfurt. In 1996, IPG launched industrial-quality, diffraction-limited

Jul 26, 2025

Single Mode Fiber Lasers

IPG's Single Mode Fiber Lasers Advantages IPG's YLR-SM Series represents a breakthrough generation of diode pumped single mode CW Ytterbium fiber lasers of near infrared spectral range

Nov 23, 2025

10 kW single mode production laser successfully tested

IPG Photonics Corporation announced the successful test of its new ten kilowatt single-mode fiber laser, a world record in a production laser.

Jan 15, 2026

Single-Mode-Faserlaser

Durch das Erreichen der höchsten verfügbaren Leistungsdichten erzielen IPGs industrielle Single-Mode-Faserlaser schnellere Bearbeitungsgeschwindigkeiten und bessere Ergebnisse in einem breiten

Mar 10, 2026

IPGP Q4 2025 Earnings Report on 2/12/2026

IPG Photonics announced their Q4 2025 earnings on 2/12/2026. View IPGP's earnings results, press release, and conference call transcript at MarketBeat.

Jun 06, 2026

IPG Photonics YLR-200-SM-EOS Single Mode Fiber Laser

High-power single-mode continuous wave fiber laser system delivering 200W optical output through fiber-coupled beam delivery for precision material processing applications.

Nov 28, 2025

Single Mode Fiber Lasers

IPG single mode fiber lasers can be quickly integrated into a variety of different work stations including robots, cartesian co-ordinate systems and high speed scanners.

Oct 20, 2025

Fiber Lasers: Continuing to Power Growth

Industrial fiber lasers, such as this single-mode fiber laser configuration utilizing single-emitter diodes, have two stages characterized by a power combiner (Stage

Oct 31, 2025

Single-Emitter Fiber-Pigtailed Packaged Diodes

Packaged single-emitter diodes with high power and excellent reliability. Ideal for fiber amplifiers, laser pumping, material processing, and solid-state laser pumping applications. Customize your

May 21, 2026

Single-Mode & Low-Order-Mode-CW-Laser

IPG Single-Mode- und Low-Order-Mode-CW-Faser-YLS-SMx-Laserquellen bieten bis zu 30 kW Dauerleistung in einem Strahl niedriger Ordnung und geringer Divergenz, um die höchsten Energien

Mar 18, 2026

Industrial CW Fiber Lasers

IPG industrial fiber lasers are synonymous with ease of use, simplicity of integration, zero maintenance, compactness, record energy efficiency and reliability enabling the highest productivity at the lowest

May 02, 2026

IPG Photonics Corporation

IPG Photonics is the world's leading provider of high power fiber lasers and fiber amplifiers that are revolutionizing performance and utility in a remarkable array of

Feb 23, 2026

IPG Photonics Launches New Dual-Beam Laser with the Highest Single-Mode ...

Continuing to expand the industry's widest range of dual-beam fiber lasers, IPG will introduce a new Adjustable Mode Beam (AMB) laser source capable of achieving 3 kW single-mode laser beam in

Sep 02, 2025

GLPN-100-M

IPG Photonics introduces a cost-effective industrial-grade OEM modular version of the popular high power, single-mode green fiber laser with 100 W maximum output power. IPG's GLPN-100-M utilizes

Contact Us

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