

## Focuslight Honored by 2023 Laser Focus World Innovators Awards

August 2, 2023

Laser Focus World's 2023 Innovator Awards for the laser and optoelectronics industry have been announced on August 1st, 2023. Focuslight's SP17 & SP18 -- High-Power Diode Laser Side Pumped Modules were recognized among the best by the 2023 Laser Focus World Innovators Awards and won a Bronze award.

### SP17 & SP18 -- High-Power Diode Laser Side Pumped Modules

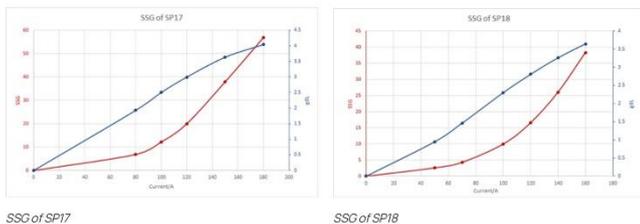


Laser Focus World Innovator Awards 2022 Bronze Award

Utilizing Focuslight's advanced high-power diode lasers as the core component, and employing unique optical design, water flow design, and the ASE (Amplified Spontaneous Emission) effect control method, SP17 & SP18 achieve high-peak-power, high gain, and high uniformity of fluorescence distribution. As the gain increases, the high-peak-power pumping module will generate a serious ASE effect if no corresponding measures are taken, which results in gain saturation and in the end, prevents the module from a high SSG value. SP17 and SP18 side pumped modules take effective measures to inhibit the ASE effect.

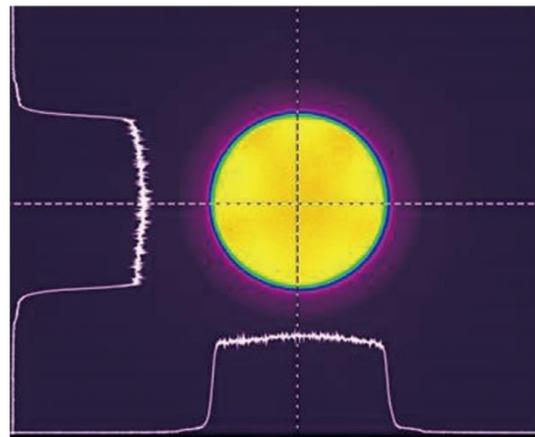
### Focuslight's SP17 & SP18 -- High-Power Diode Laser Side Pumped Modules

#### 1. High peak power and small signal gain (SSG)



SP18 peak power: 5kW, SSG > 30; SP17 peak power: 30kW, SSG > 55. Focuslight's SP17 and SP18 side-pumped modules take effective measures to inhibit the ASE effect and provide reliable gain modules for high-energy solid-state lasers.

#### 2. Better uniformity of fluorescence distribution



Test Results for Fluorescence Distribution

Utilizing the unique optical field homogenization technology of Focuslight makes the high uniformity of fluorescence distribution of SP17 & SP18 exceed 90%, which in the end, restrains the thermal effect of the side pumped module and provides a high-quality line beam for DPSSL.

#### 3. Laser Focus World Innovator Awards



Laser Focus World's Innovators Awards is judged by an esteemed and experienced panel of judges from the optics and photonics community to recognize the companies who made breakthroughs and innovative contributions

within the past year in lasers, optics, photonics, technology, products, systems, and applications. Laser Focus World was published in 1965, and it has become the most trusted global resource for engineers, researchers, scientists, and technical professionals by providing comprehensive coverage of photonics technologies, applications, and markets.

## About Focuslight

Focuslight is a fast-growing company that develops and manufactures high-power diode laser components and materials (photon generation), laser optics (photon control), photonic application modules, assemblies, and sub-systems (photonics application solutions) with a focus on automotive, pan-semiconductor, and medical & health application solutions. With our extensive engineering expertise and know-how, Focuslight is dedicated to providing customers with well-matched comprehensive solutions that enable our customers' success in their own businesses. In December 2021, Focuslight announced the IPO on the Shanghai Stock Exchange (Ticker Symbol: 688167). [Focuslight - Never Stop Exploring \(www.focuslight.com\)](http://www.focuslight.com)