AdValue Photonics
Innovative & Reliable

*- Innovations in Fiber Lasers & Amplifiers -*

Jan, 2026

# Introducing Picosecond UV Laser (AP-355P)

AdValue Photonics introduces the **AP-355P**, a high-performance **355 nm picosecond UV laser** designed for precision micromachining applications requiring excellent edge quality, minimal thermal damage, and long-term stability.

With **<15 ps pulse duration**, **up to 30 W average power** (scalable to higher power), and **excellent beam quality ($M^2$ < 1.3)**, the AP-355P enables clean, repeatable processing of glass, ceramics, semiconductors, and other advanced materials.

The AP-355P combines high optical performance with a **rugged industrial design**, making it suitable for both R&D and production environments. Features such as **flexible burst-mode operation**, **pulse-on-demand**, and **real-time monitoring and data logging** provide users with the process control and traceability required in modern manufacturing.

**Key applications** include semiconductor processing, medical device fabrication, glass and ceramic cutting and drilling, precision micromachining, and scientific research.

The specification sheet can be found here.

If you are interested in this laser, email us at **contact@advaluephotonics.com**.

AdValue Photonics also offers picosecond pulsed lasers at 0.5 µm, 1 µm and 2 µm wavelength regions.

Please come to visit us at **Photonics West** during 20-22 January, 2026.
Our **booth number is 1267**.

SPIE. PHOTONICS WEST

***AdValue Photonics:***

As a leading manufacturer of innovative fiber lasers and amplifiers, and leveraging our unique capabilities in laser glasses and fibers, we deliver groundbreaking products to our customers.

- Nanosecond Fiber Lasers at wavelengths 0.5µm (Green), 1µm, 1.5µm, 2µm
- Picosecond Fiber Lasers at 0.5µm (Green), 1µm
- Single-Frequency Lasers (CW and pulsed) : 1µm, 1.5µm, 2µm
- Amplifiers: ns/ps/fs pulsed, single-frequency, CW, broadband
- Fiber Laser Components : couplers, isolators, circulators
- Laser Machines for material processing: glass, ceramic and diamond

*Manufactured in the Optics Valley, Tucson, Arizona, USA*

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