AdValue Photonics
Innovative & Reliable

- Innovations in Fiber Lasers & Amplifiers -

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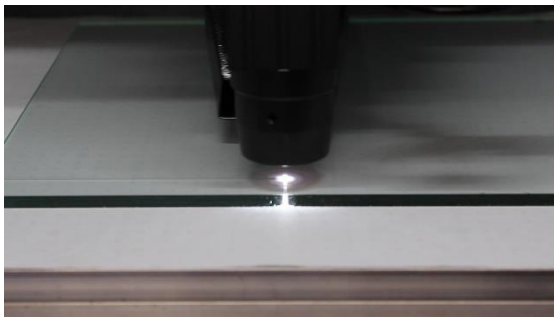
Glass Cutting Machine Showcase: Speed, Accuracy, Repeatability

AdValue Photonics' laser glass cutting machines are engineered for high-precision cutting of complex external shapes in a wide range of flat transparent glass types up to 20 mm thick. They are also capable of cutting select exotic materials, including sapphire. Equipped with high-precision linear motors, these machines deliver ten-micron accuracy and cutting speeds of up to 400 mm/sec. Each system is fully customizable to meet specific customer requirements for feature design and material specifications.

Features:

- Fast Cutting Speed & High Precision: Achieve excellent results with rapid processing and ten-micron accuracy.
- Industrial-Grade Design: Built for 24/7 operation, ensuring precision and stability.
- High Yield & Consistency: Delivers reliable product quality with a yield rate of 99.5%
- User-Friendly Structure: Simple, practical design for easy operation and maintenance.



Laser processing is an environmentally friendly fabrication method, eliminating the contaminated water waste typically associated with mechanical or waterjet cutting. AdValue Photonics' machines feature a state-of-the-art fiber laser, advanced motion system, precision camera alignment, and a granite surface plate—delivering high precision, low maintenance costs, and exceptional productivity.

Our **YouTube page** has videos of glass cutting examples, including **this glass cutting video**.

AdValue Photonics Overview:

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 : **EVEREST***nano*
- Picosecond Fiber Lasers at 0.5µm (Green), 1µm : **EVEREST***pico*
- Single-Frequency Lasers (CW and pulsed) : 1µm, 1.5µm, 2µm
- 2µm family Lasers and 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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