

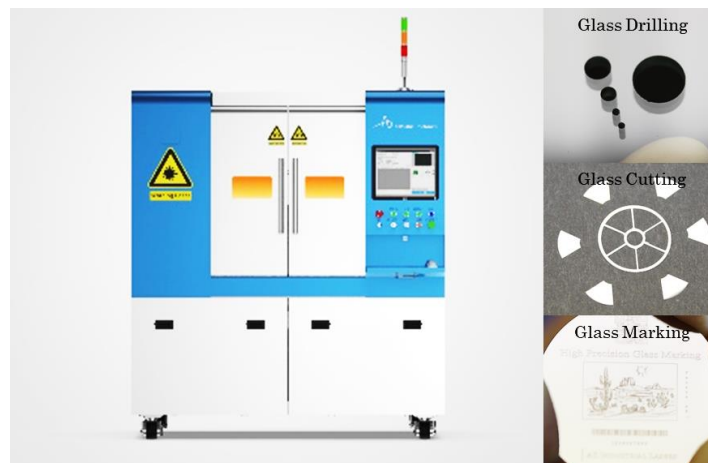
NEWSLETTER | Jan. 2021

Laser Glass Processing Machine by AdValue Photonics

AdValue Photonics, Inc. (Tucson, AZ) is pleased to introduce a laser glass processing machine to drill, cut, mark, and mill glass materials including soda lime, borosilicate, optical glasses, fused quartz, and coated glasses.

This laser machine provides superior flexibility, quality, and throughput for glass fabrication. With proprietary fiber laser and system design, the machine can drill glass substrates with thickness from 50 μ m to 10mm with hole size 50 μ m to 90mm in diameter. The technology offers little-to-zero taper and micro crack holes with programmable drilling design. The equivalent drilling speed surpasses conventional mechanical drilling method. For example, it takes only 1.5s to drill a Φ 10mm hole on a 1mm thick glass and 3s on a 2mm thick glass.

This technology is offering a “green” fabrication process. No cooling water is needed as conventional mechanical processing or waterjet cutting. The machine is equipped with a cutting-edge fiber laser, motion system, camera alignment system, and granite surface plate to provide low maintenance cost, high precision and to boost productivity.



For product specifications, please visit <https://www.advaluephotonics.com/products/laser-machine>.

AdValue Photonics Product Overview:

- Green, 1 μ m, 1.5 μ m, 2 μ m Nanosecond Fiber Lasers
- Green and 1 μ m Picosecond Fiber Lasers
- Single Frequency Pulsed Fiber Lasers @ 1 μ m, 1.55 μ m, 2 μ m
- 2 μ m Fiber Lasers and Amplifiers (ns/ps/fs pulsed, single-frequency, CW, broadband)
- Fiber Couplers, Isolators, Circulators
- Vertically integrated fiber laser manufacturer with in-house laser glass and fiber capabilities

Manufactured in the Optics Valley,
Tucson, AZ, USA