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Where Laser Glass Processing Reduces Recurring Costs

Laser drilling and cutting can lower the recurring cost of glass processing by removing abrasive media—and the waterjet wear, slurry handling and consumable replacement that come with it. AdValue systems use closed-loop cooling and application-specific lasers to process glass without an abrasive process stream.

Where recurring savings can come from:

- **No abrasive grit**
- **No abrasive-contaminated slurry**
- **No high-pressure pump or nozzle wear**
- **Less consumable handling and disposal**

Compare cost per finished part—not machine-hour alone. AdValue can review your actual cycle time, yield, uptime, utilities, maintenance and labor.

Recurring Cost Driver	Laser	Abrasive Waterjet
Abrasive media	None	Continuous use
Process waste	No abrasive slurry	Collection & disposal
Wear items	No waterjet wear parts	Pump, seal & nozzle wear
Operating-cost effect	Lower recurring-cost potential	Higher consumable burden

Explore AdValue's [Glass-Processing Systems](#)

- ◆ **Laser Glass Drilling:** Bottom-up processing for controlled walls and zero taper; features down to 50 μm in diameter in glasses less than 1mm thick.
- ◆ **Laser Glass Cutting and Cleaving:** Picosecond laser processing makes quick work of precise cuts, aided by a CO2 laser for automatic cleaving, produces finished parts with high yield and throughput.
- ◆ *Actual results depend on glass composition, thickness, geometry and production requirements.*

See Glass Processing in Action on our [YouTube Page](#)

- ◆ [Multi-Feature Example Video](#)
- ◆ [Square Hole in Quartz Tubing Video](#)
- ◆ [Concentric-Hole Encoder Disc Video](#)
- ◆ [Flat Glass Cutting and Cleaving Video](#)
- ◆ **Want to quantify savings for your glass part?**
- ◆ Send us your drawing, glass type and thickness, feature dimensions, production volume, current process and cost assumptions. We can help build an application-specific cost-per-part comparison.

[Contact our applications team.](#)