

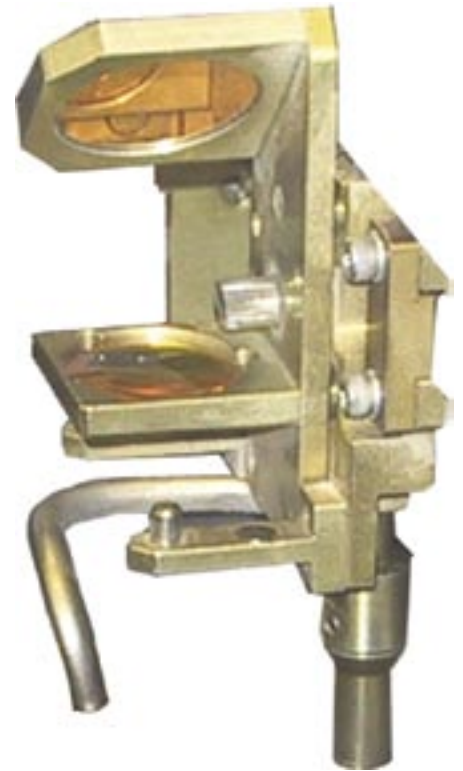
# Laser Optics

## Epilog Optics

Clean, high-quality laser optics are extremely important for laser engraving quality. All lenses in a laser system must be clean and free of debris and residue or you may damage your optics system, which is expensive to replace. Optics that are optimized for easy cleaning and maintenance ensure a long life for your system's lenses.

### Epilog's Crystal Clear™ Optics offer these advantages:

- Unlike systems that cover their lenses and require tools for access and cleaning, Epilog's Crystal Clear Optics are designed for easy maintenance.
- Ease of inspecting and cleaning protects the optics and provides consistent beam quality without the worry of expensive replacements.
- Cleaning Epilog's optics does not require tools and is a 10 second job using the lens cleaner that is included with the system.
- Simple and easy lens changes (on available models) without affecting beam alignment.
- Zinc selenide lenses and single crystal silicon mirrors are rated to over 500 watts.



### Other Manufacturer's Closed Optics

- "Closed" optics systems are not completely enclosed. Some manufacturers put a cover over their optics and call them enclosed, but covered does not mean protected! Often the lens cover will have a large hole directly in front of the lens that "scoops" the smoke, fumes, and debris from the engraving cavity directly on the optical surface.
- The cover requires disassembly for inspection and cleaning of dirty optics.
- "Out of sight, out of mind." If you can't see the optics, how do you know they need cleaning?
- As debris accumulates on the enclosed optics, laser power is lost, resulting in less power at the engraving surface.
- The potential for damage and subsequent replacement of expensive optics significantly increases as debris accumulates.



### Here's what users say about Epilog's optics system:

"Epilog uses an open lens system that, unlike other lasers, does not have a cover around the lens itself. There has been no attempt to isolate the lens. This worried me initially, but as I used my Epilog, even with the dirtiest of materials (rubber stamps), the lens remained clean."

"For three months, I never had to clean the lens a single time! The design of the exhaust moves the dirt and debris away from the lens and is extracted at the back of the machine."

"When the lens does need cleaning, there is nothing that has to be removed. The lens can be cleaned right in place as can all mirrors in the engraving cavity. This makes for easy cleaning, and I can tell at a glance if the lens needs attention or not. I've never had to pay for a replacement lens!"



Specifications Subject to Change Without Notice. Features Subject to Availability.