



Tips for laser-cutting Everix filters

Laser-cutting filters require some special handling to keep ablated material from sticking to the filter surface after cutting. Here are some of the procedures we follow to obtain good results.

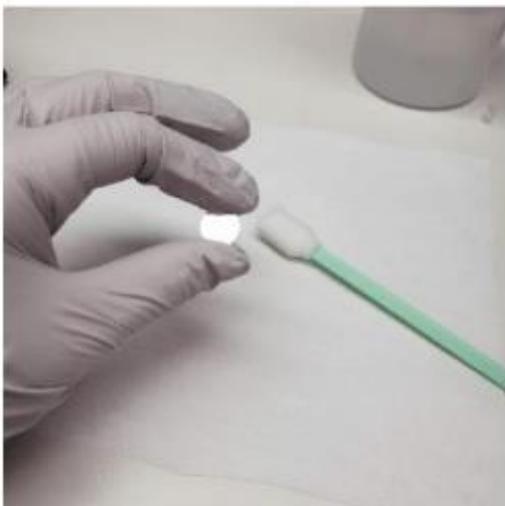
Laser settings:

Everix uses a 50 W CO₂ laser system to cut our filters. Note that these parameters will depend on your laser cutting system.

Power = 9.5%

Speed = 10 mm/s

Often, we take several passes to cut through the filter to minimize edge effects.



Filter handling:

1. Rinse the large pieces of material in soapy DI water – use a higher concentration of soap for thicker films
2. Place the wet pieces on the cutting surface
3. Perform cutting with the above parameters
4. Rinse with soapy water after cutting
5. Rinse with DI water, 2 times
6. Soak an optical Q-tip with 50% isopropyl alcohol/ 50% DI water
7. Gently scrub soaked Q-tip against filter to take off particles
8. Continue the above mentioned motion until filter has no residual dirt on surface
9. Blow-off with air blower