

Handling Recommendations
for
Precision Optics Corporation
Microprecision™ Prisms

- The following procedure should be performed under a microscope.
- For POC's microprecision™ prisms 0.50 mm and larger, we recommend Techni-Tool spring action black delrin tip 5xCF-SA Techni-Tool part number 758TW019.
- For POC's micro prisms ranging in sizes 0.5mm-0.18mm, we recommend Techni-Tool Tweezer Precision Brass Anti-Sparking Type 4 Techni-Tool part number 758tw233.
- When using tweezers always grab the prism from the ground edges.
- Make sure the tweezers are squared to the ground edges before you grab the prism. This prevents crushing, chipping and un-even pressure.
- **NEVER** hold a prism in tweezers and attempt to clean it with a swab. Too much torque or uneven pressure will cause the prism to chip and possibly break.
- We recommend using a gel tray to hold the prism in place when wiping surfaces. Gel Pak #4 is well suited for these prisms.
- Physically handle micro prisms as little as possible. The majority of manipulation should be done in a Gel Tray using a soft swab to turn the prism over. Only use tweezers to physically move from one location to another.
- When cleaning prism surfaces, products such as Methanol and Acetone are recommended.
- Always use a new, unused swab for each surface to be cleaned.
- Always clean from the center to the edge. This prevents dragging harmful debris from the outside edges onto the finished surfaces of the prism which can cause surface defects such as scratches and sleeks.
- The smaller the prism, the smaller the cleaning swab that should be used. We recommend Qosina "Small Round" and "Mini Pointed Swabs" to clean the micro prism surfaces.
- Suggested suppliers for the Tools and Supplies:

Qosina Fax # 631-242-3230
 10226 Mini Pointed Swabs
 10225 Small Round Swabs

Techni-Tool Phone number 1800-832-4866
 Techni-Tool Tweezer Precision Brass Anti-Sparking Type 4
 Techni-Tool part number 758tw233
 Techni-Tool spring action black delrin tip 5xCF-SA Techni-
 Tool part number 758TW019

Gel-pak Phone number 1888-621-4147
 Standard Gel tray with X4 tackiness.

