

MIRROR CLEANING PROCEDURE

Please read these instructions completely before attempting to clean a mirror.

These instructions are provided as a guide only. American Laser Enterprises, LLC cannot be held responsible for damage to optics resulting from handling or cleaning.

Requirement:

- A clean dust free area
- Powder free, acetone safe latex gloves or finger cots.
- Lens tissues*.
- Low-pressure (2 to 5 psi) dry nitrogen, canned compressed air or a blow bulb.
- Reagent grade acetone or alcohol.

CAUTION

- **Do not remove the mirror from its mirror cap.**
 - **Mirrors should be cleaned in a dust free air conditioned room.**
 - **When handling mirrors always wear powder free latex gloves or finger cots. Contamination from skin will cause major degradation in performance.**
 - **Always handle mirrors by their edges, never touch the surface.**
 - **Never use tools such as tweezers or picks to manipulate mirrors.**
 - **Always place mirrors on a clean lens tissue. Mirrors can be easily scratched. Never place the reflecting surface of the mirror on a hard or rough surface.**
1. Hold the mirror cap by its edges and blow any dust or lint particles off with low-pressure dry nitrogen (2 to 5 psi), canned compressed air or a blow bulb. If there is still debris on the mirror, continue to step 2.

CAUTION

Never use shop air, it contains oil and water no matter how well it is filtered.

2. Apply one drop of reagent grade acetone or alcohol to a lens tissue*.

CAUTION

Never apply any liquid directly on the mirror.

3. Lay the dampened portion of the lens tissue over the mirror.
4. Without lifting the dampened lens tissue, drag the tissue (do not applying any pressure on the surface of the mirror) across the mirror just fast enough so the acetone or alcohol evaporates behind the lens tissue. If it is done correctly there will be no streaks left on the mirror. It may be necessary repeat steps 2 and 4 several times using a clean lens tissue each time.

*Lens tissue is a lint and solvent free tissue used for cleaning optics