

## INSTALLING A FOCUS LENS

Replacing laser optics is easy and safe if you follow a few basics guidelines. Verify the diameter of your lens. A digital caliper will give the exact diameter of the lens. If the lens is .75 inch in diameter, the Johnson Plastics Plus replacement lens will fit perfectly.

The optics have special coatings them so they should be handled by their edges and not touched on the surfaces. Also, the lens has a top and a bottom side. The bottom side is flat. The top side is domed. The flat side should be facing towards the engraving table.

Remove the lens mount and find a dry and clean work area. Pay special attention to how the lens mount will need to be reassembled.

The lens is glued into place with special adhesives. To remove the lens from the mount will require a de-bonding solution to soften the glue. This is the same solution used to remove super glue and can be found at home centers. Apply the de-bonding solution and allow it to sit for a few minutes to soften the adhesive. When the adhesive is soft, the lens will easily push out from the mount. Remove the lens from the mount. With the adhesive still softened, use a paper towel to remove any of the old adhesive.

Position the new lens in the mount. Make sure it is facing the right direction. The lens should be sitting flush in the lens mount and not at an angle. Use three small spots of the Optic Mounting Adhesive. Do not over apply the adhesive. The adhesive is specially formulated for mounting laser optics and should not be substituted. The mounted optic will be ready for cleaning and use in 1 hour.

