# SV Prescribed Prism Guide ALM-700/800

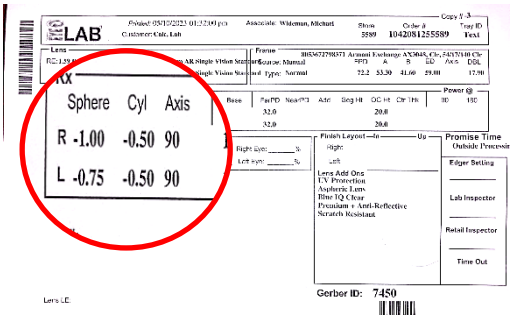
# Single Vision Prescribed Prism

## 1. Set the lens meter to the complete pair single vision setting:

*1A:* Use the Measurement Selection icon to change lens type.
*1B:* Press the Clear icon to erase previous readings.
*1C:* Press the Lens icon to change from single lens to complete pair.


## 2. Determine the power and axis for the SV lens:

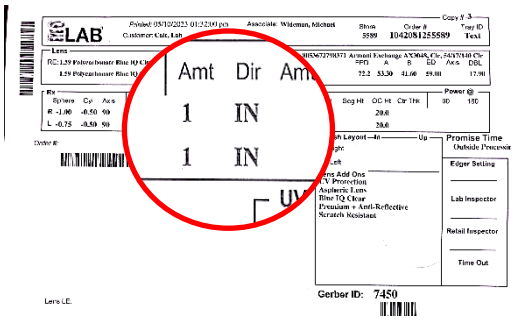
*2A*: Check the job ticket for the power and axis prescribed by the doctor.




## 3. Determine the amount of prescribed prism on the SV lens:

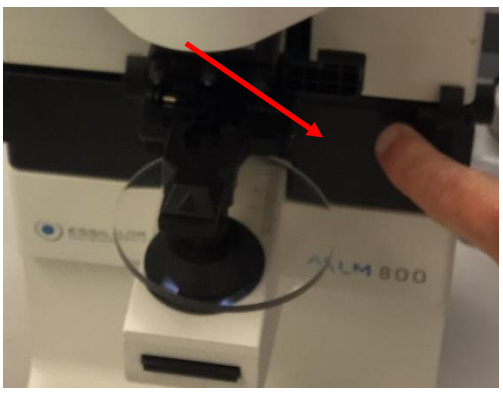
*3A*: Check the job ticket for the total amount and direction of prism prescribed by the doctor. In this case, the ticket calls for 1D Base In Prism.

*Note: Progressives and Lined Multifocal lenses have prism ground as part of the surfacing process and are laid out as normal during edging.*




## 4. Adjust the Nose Pad Slider to the Right Eye setting:

*4A Push the Nose Pad Slider all the way to the right until you see the "R" indicator on the screen.*



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## 5. Move the lens vertically and/or horizontally to match prescribed prism:

*5A:* Position the lens so it is resting against the lens stop.
*5B:* Move the lens to match the prescribed prism value on the job ticket. The lens will NOT be centered as with normal “Marking OK” layout.
5C: While maintaining the prescribed prism, rotate the lens to the correct axis.

*Note: Plus lenses and minus lenses move in opposite directions for prism. Right and Left lenses also move opposite.*
*“I” stands for Base In Prism and “O” stands for base out prism.*
*“U” stands for Base Up prism and “D” stands for Base Down prism.*

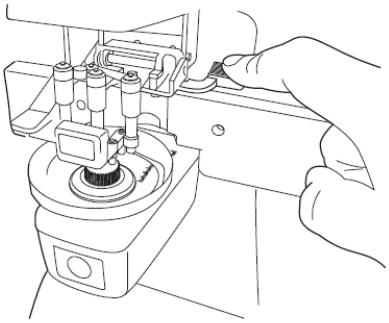
*In this case the Lens Meter should read 1D Base In and 0D Base Up/Down*


## 6. Clamp the lens:

*6A:* After the prescribed prism and axis on the lens meter match the job ticket, clamp the lens in place.
*6B:* When the lens is clamped, the cross may move a little out of alignment and need to be readjusted. With one hand, release just a bit of pressure from the lens clamp and readjust the alignment cross so it is perfectly aligned.

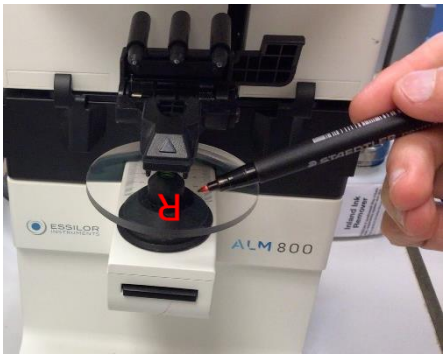
## 7. Spot the lens:

*7A:* Use the Marking Pin Lever to spot the lens. This marking will be used for blocking.



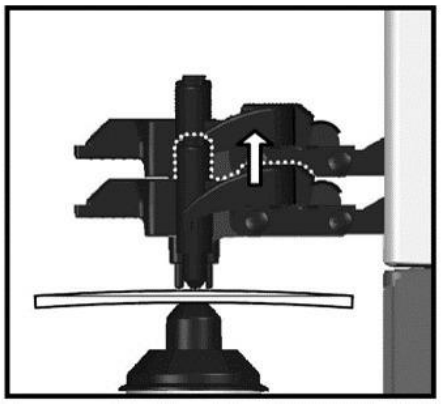
## 8. Mark the right lens:

*8A:* Before removing the lens, mark the portion of the lens closest you with an upside-down R indicating the top of the Right lens. Failing to mark the top of the lens could result in cutting it upside down with the prism in the wrong direction.



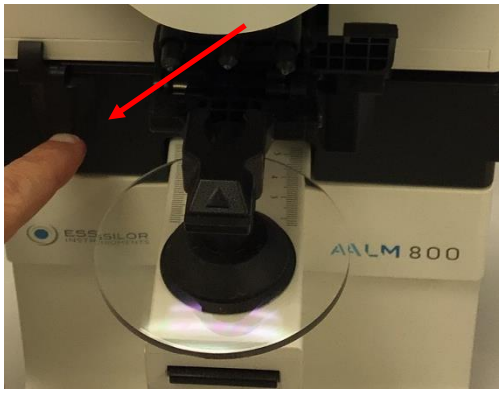
## 9. Remove the right lens:

*9A:* Lift the lens clamp and remove the right lens.
*9B:* Place the Right lens in the Right side of the job tray on the tray ticket.



## 10. Adjust the Nose Pad Slider to the Left Eye setting:

*10A Push the Nose Pad Slider all the way to the left until you see the "L" indicator on the screen.*

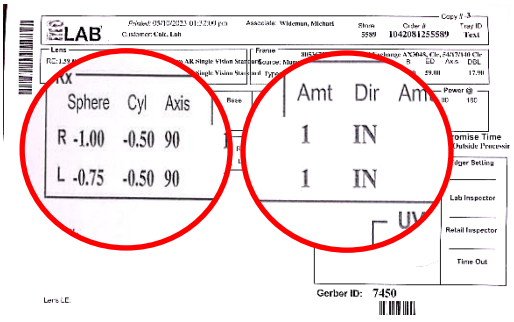




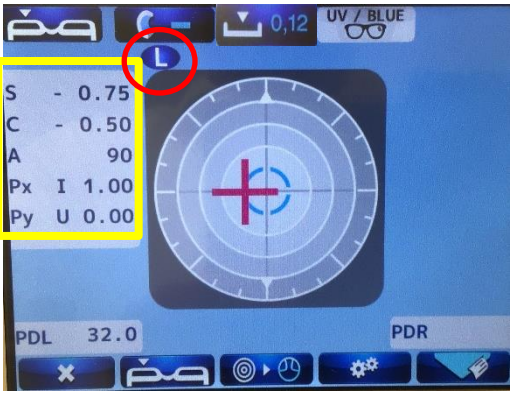
## 10. Repeat Steps 1 – 8 for the left lens:

*10A:* After the measurement of R lens, repeat steps 1-8 with the left lens ensuring to look at the job ticket for the proper left lens measurements.

*Note: Read the job ticket carefully as the doctor may or may not have prescribed prism in both eyes.*
*Remember to mark the portion of the Left lens facing you with a "L" once properly oriented.*




*In this case the Lens Meter should read 1D Base In and 0D Base Up/Down*



## Base Out Prism Example

*Note: The previous example showed Horizontal "Base In" Prism. Below is an example of an Rx and Lens Meter readings with Horizontal Base Out Prescribed prism. The lens has been moved horizontally so that the "I" has changed to an "O" on the screen.*

| | Sphere | Cyl | Axis | Amt | Dir |
|---|---|---|---|---|---|
| R | -1.00 | -0.50 | 90 | 1 | OT |
| L | -0.75 | -0.50 | 90 | 1 | OT |

*In this case the Lens Meter should read 1D Base Out and 0D Base Up/Down*


*In this case the Lens Meter should read 1D Base Out and 0D Base Up/Down*


## Base Up/Down Prism Examples

*Note: Below is an example of an Rx and Lens Meter readings with Vertical Base Up/Down Prescribed prism.*

Rx

| | Sphere | Cyl | Axis | Amt | Dir |
|---|---|---|---|---|---|
| R | -1.00 | -0.50 | 90 | 1 | UP |
| L | -0.75 | -0.50 | 90 | 1 | DN |

*In this case the Lens Meter should read 1D Base Down and 0D Base In/Out*


*In this case the Lens Meter should read 1D Base Up and 0D Base In/Out*