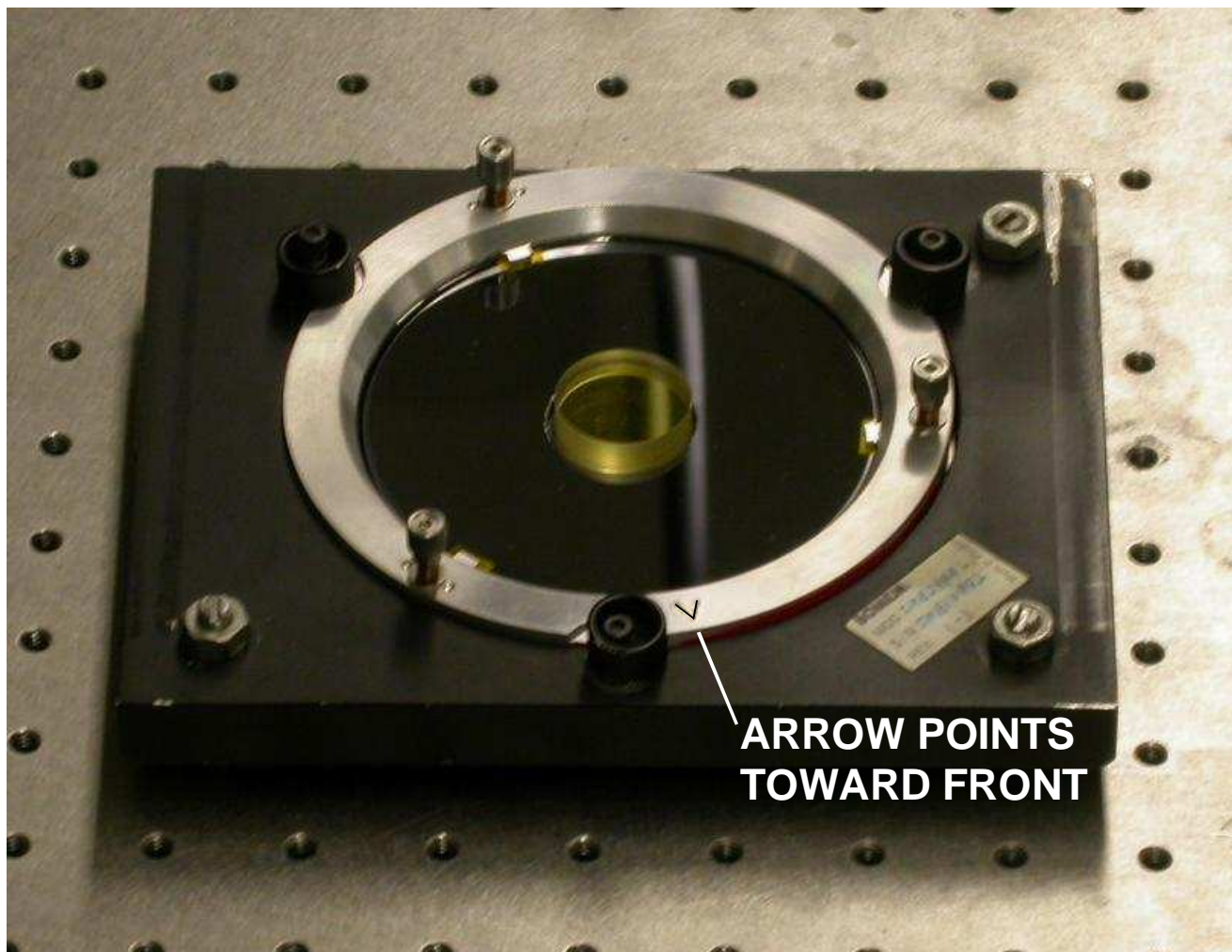


# FUTURE INSTRUMENTS CORP

## 2mm BEAMSPLITTER INSTRUCTIONS



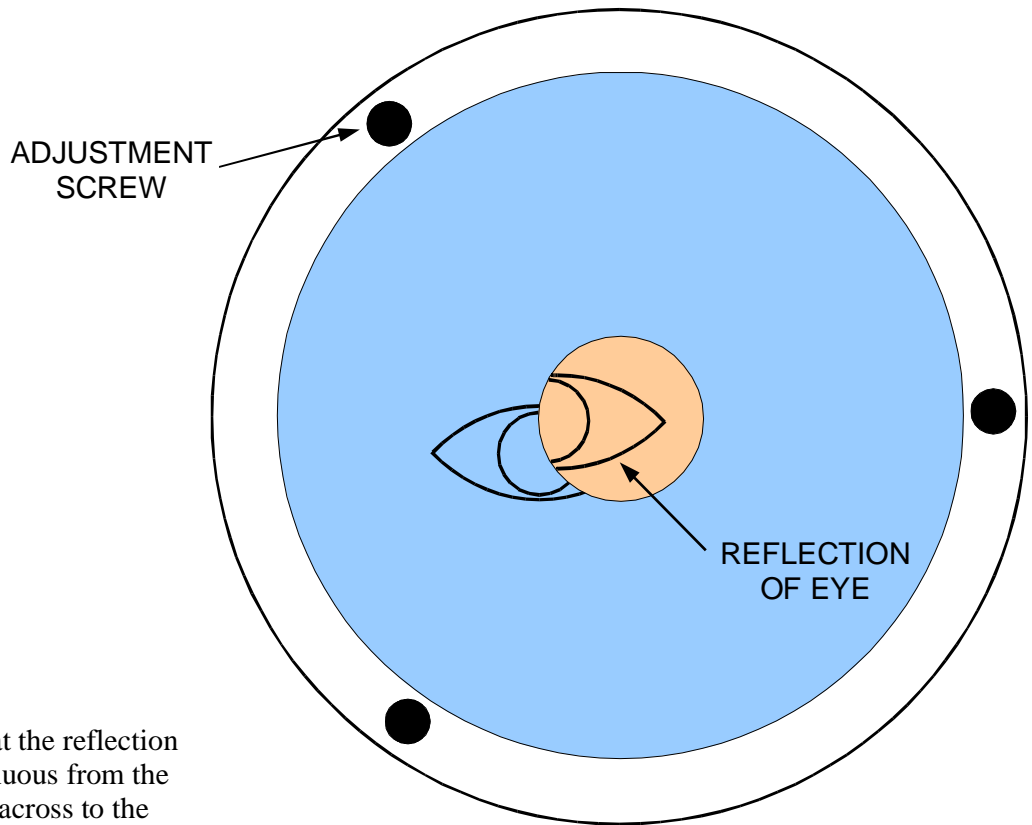
1. Place the silicon beamsplitter assembly into the holder in the same manner as the mylar beamplitters.

The silicon beamsplitter comes complete with adjustment screws so it is not necessary to move or change the mylar adjustment screws.

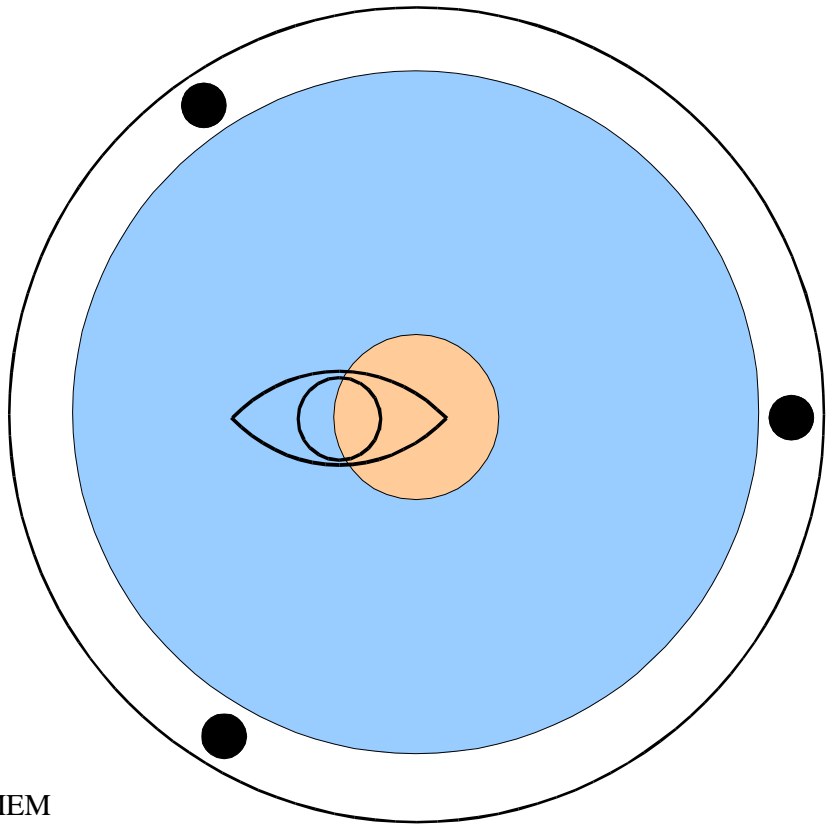
Note that the arrow on the silicon beamsplitter should go towards the front of the holder.

2. If you have an infrared viewing scope then you can easily align the beamplitters with the holder installed in the BOMEM by adjusting the screws to make the 2 beam spots coincident at the sample focal point.

If you do not have an infrared viewer then use the alignment method shown on the following page.



3. Adjust screws so that the reflection of your eye is continuous from the silicon beamsplitter across to the center island beamsplitter.



4. Finally place the holder into the BOMEM and adjust the screws to maximize the interferogram.

Note that if the main peak of the interferogram is not close to the ZPD it will be necessary to adjust all three screws to raise or lower the silicon plate.