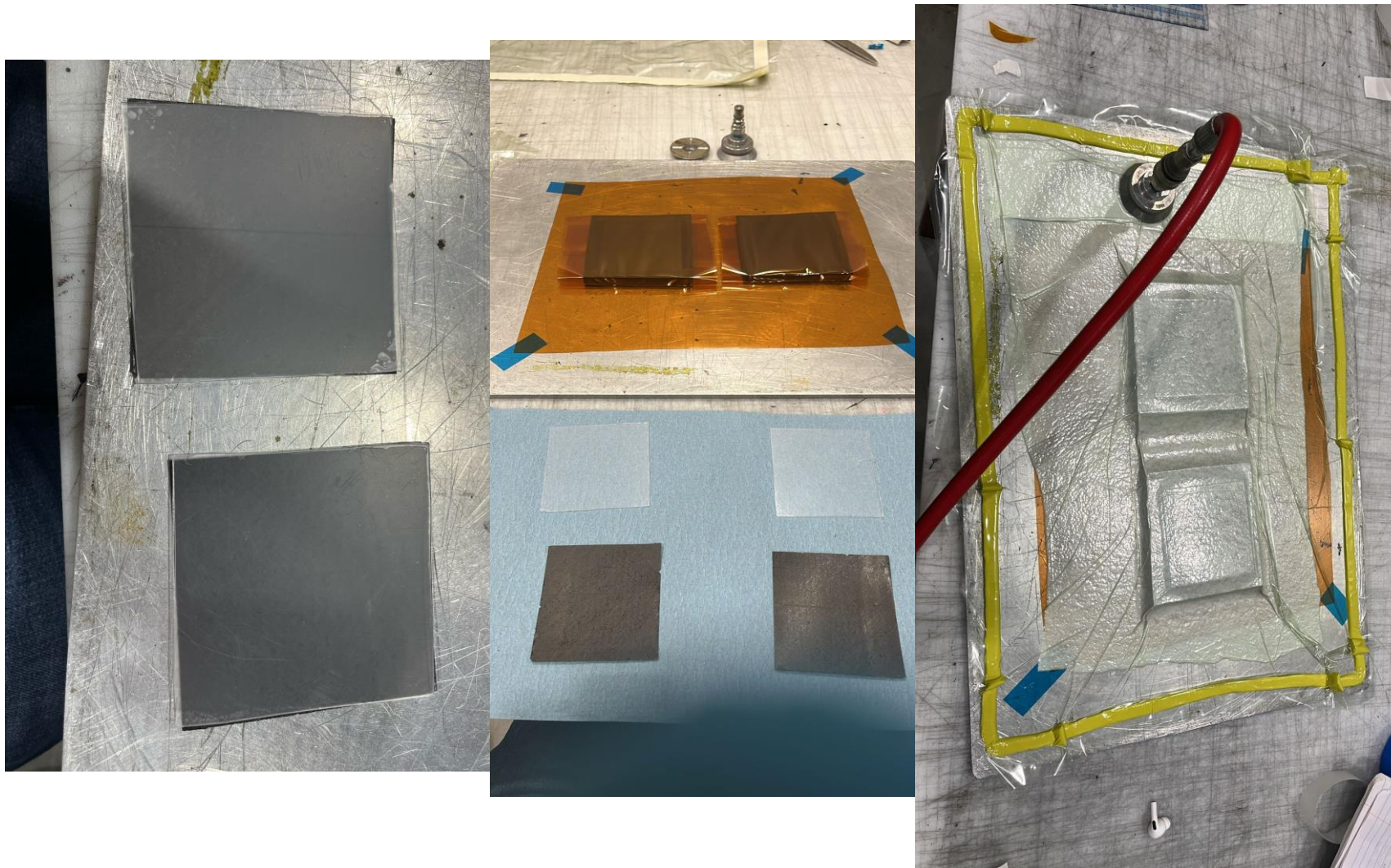


# pfRICH updates

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28 April, 2025

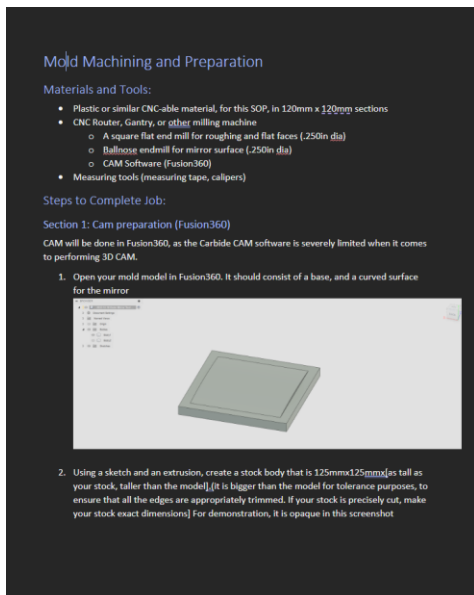


For these test specimens we used the 5-inHg pressure

We need to make a curved “negative mold” to add external pressure regularly

Remember in flat samples we used a top glass plate to get some pressure

# First version of the SOP is being written and uploaded to indico



- ⬡ The next steps will be shipping these two samples to SBU – will go out tomorrow
- ⬡ There will be 1 to 1.5 week break – students are in dead week and finals weeks.

First version of the document. There will be refinement and adjustments as we make progress – work by Alfredo Colas Gullon



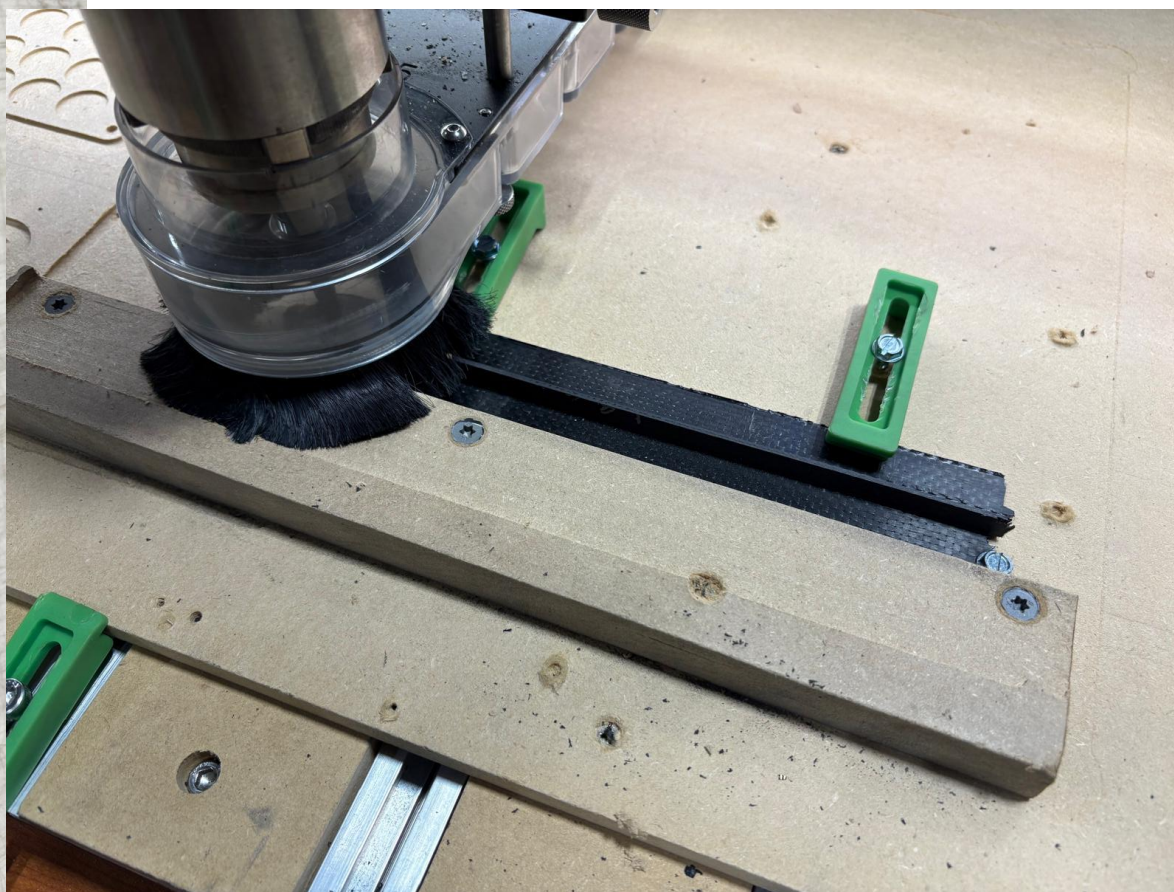
- ⬡ We did two sample
- ⬡ The first one has moderate success. The edges are still rough/bad but the center shows minimal waviness
- ⬡ The second one the laminate cracked while under co-bonding so there is overall bad co-bonding

Repeating this two curved mirror substrates exercise again this week.



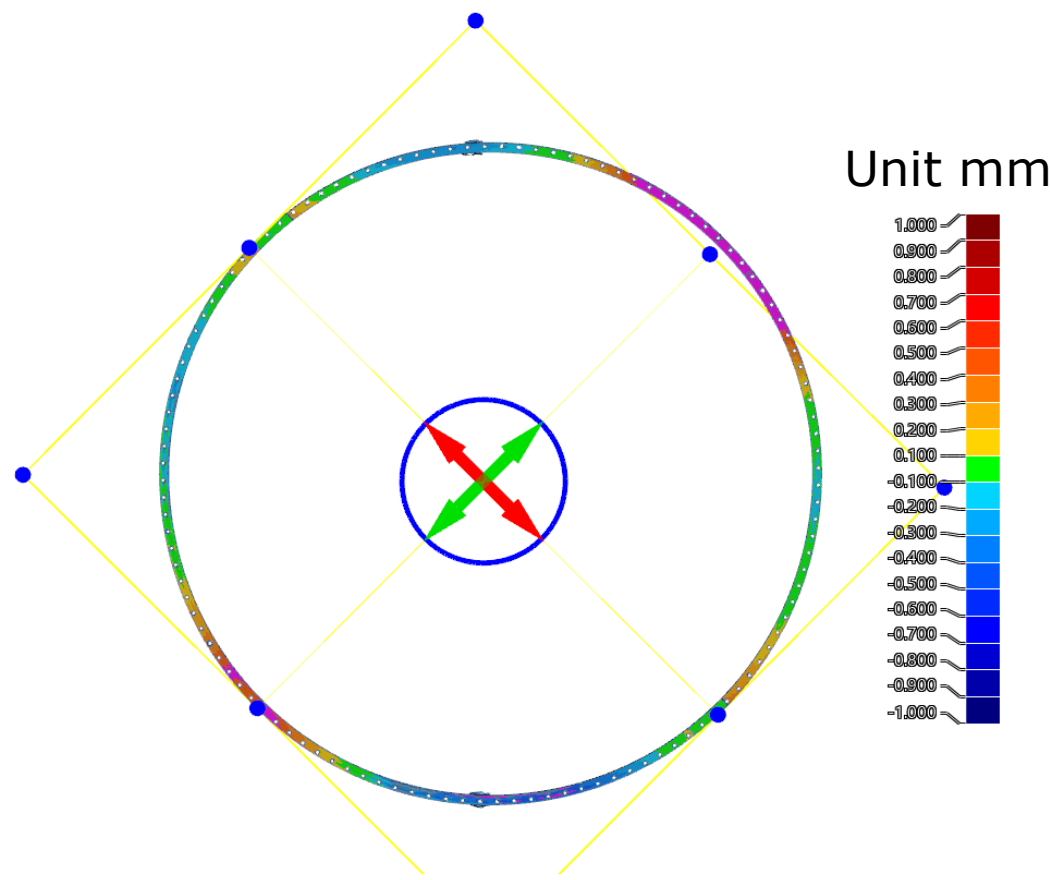
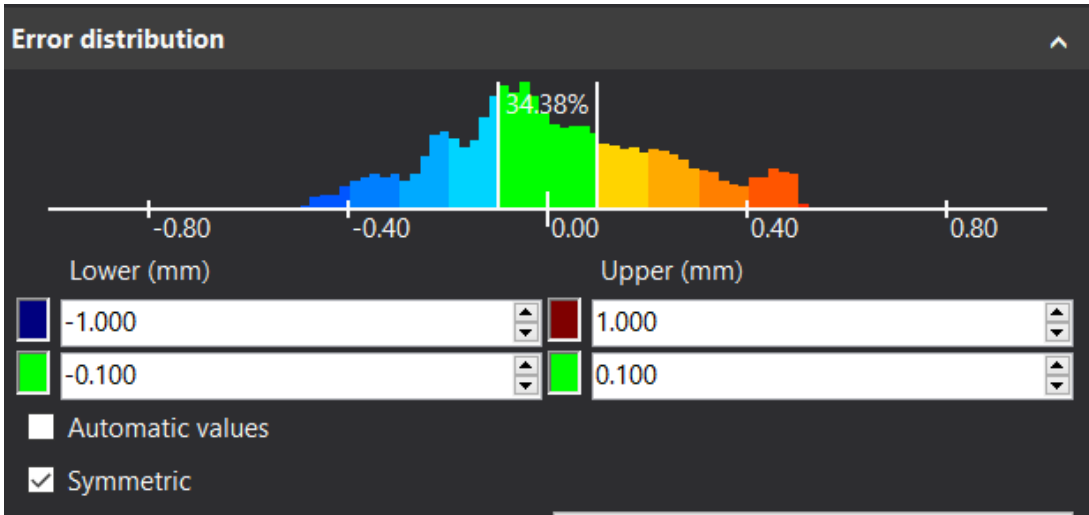


Machining the t-beams with the trials for the pyramid mirror design  
On-going



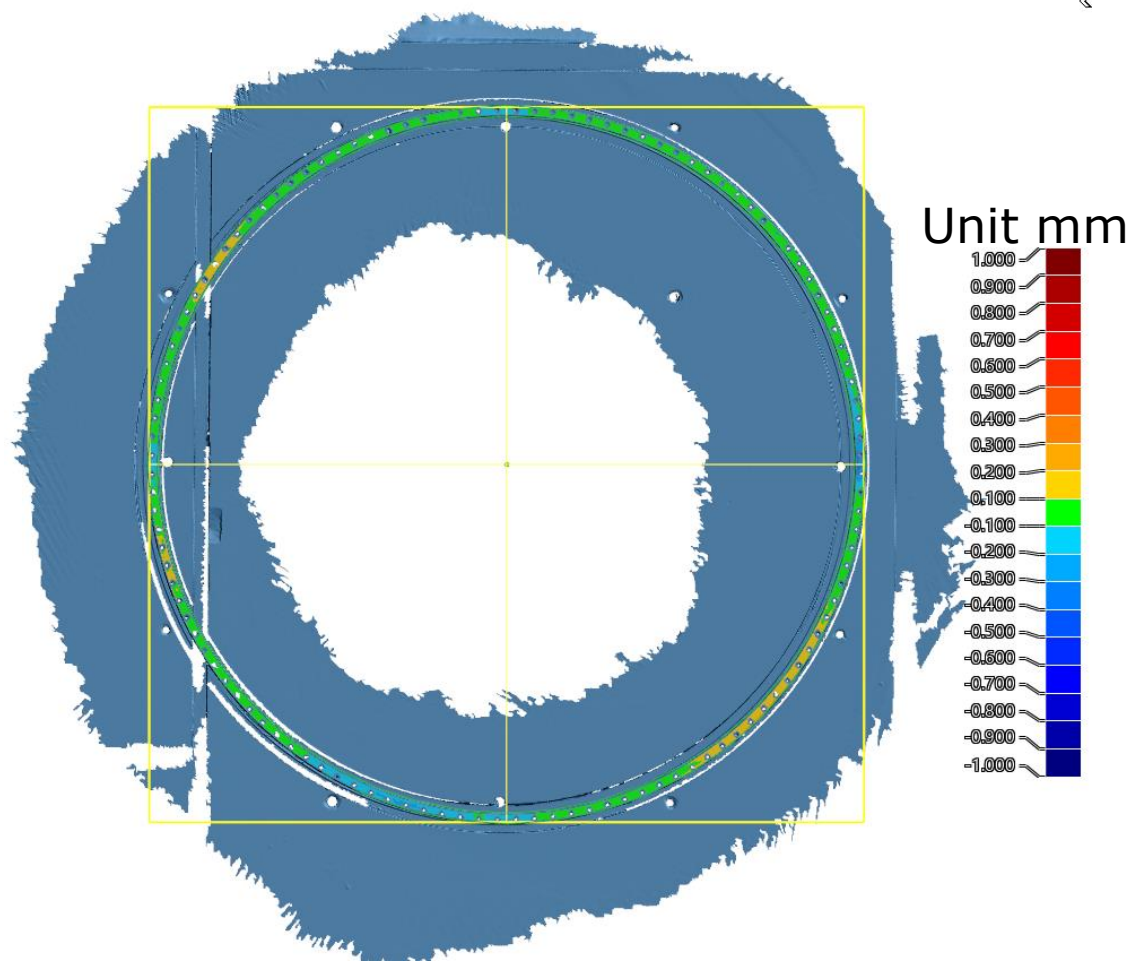
- ⬡ We will be doing the sensor plane full plate manufacturing this week
- ⬡ Repeat mirror co-bonding exercise

- ⬡ This week and next week is dead week and final exam week for students – there will be slow down



Zoom in to see the color map. This is a high res image.





Zoom in to see the color map. This is a high res image.