

pfRICH updates

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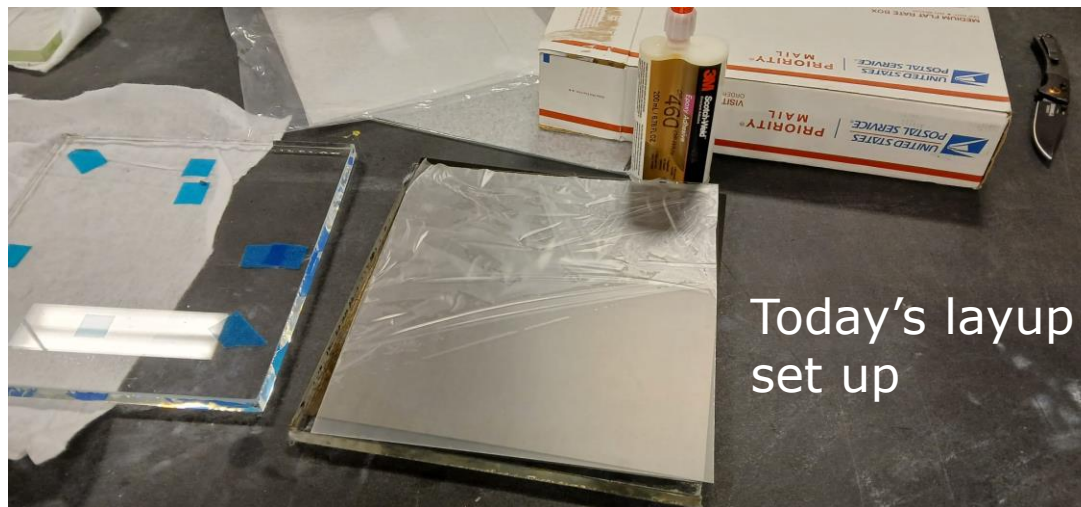
27 Jan 2025

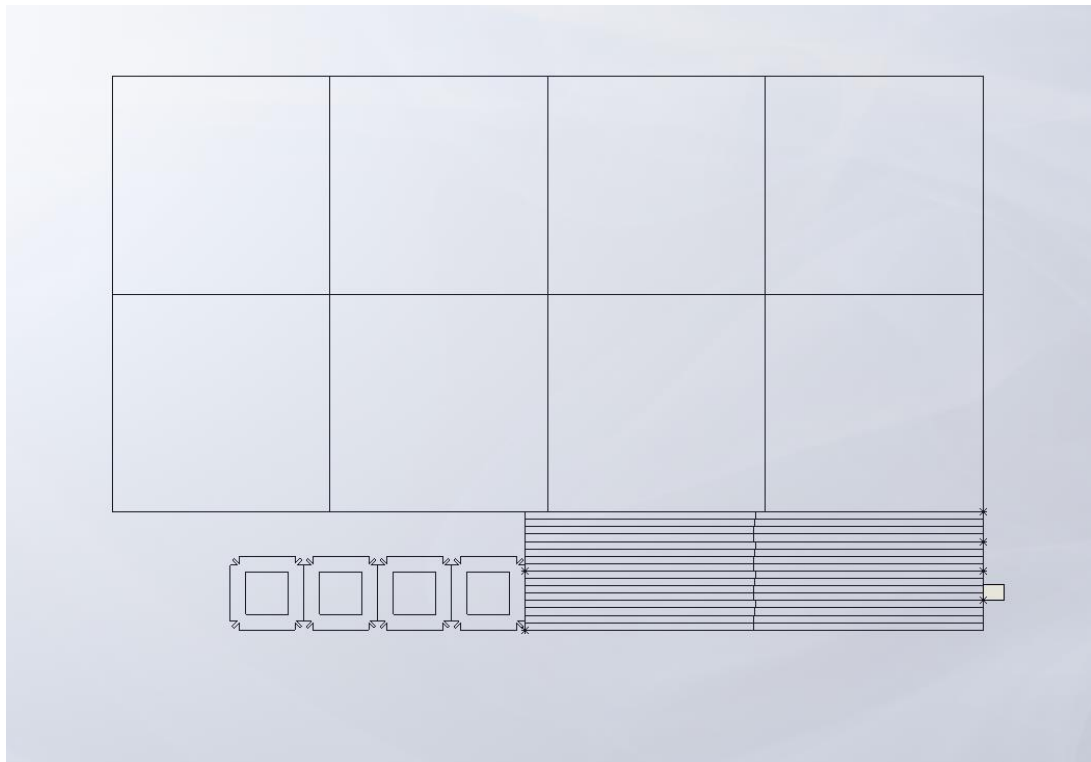
- ⬡ Pressure cycle – 4th done (Pressure = 0 inHg)
- ⬡ 2nd cure / layup on-going today – going to do the Pressure = 5 in Hg today



Results from Pressure = 0 inHg – there is still some haziness but very minimal waviness

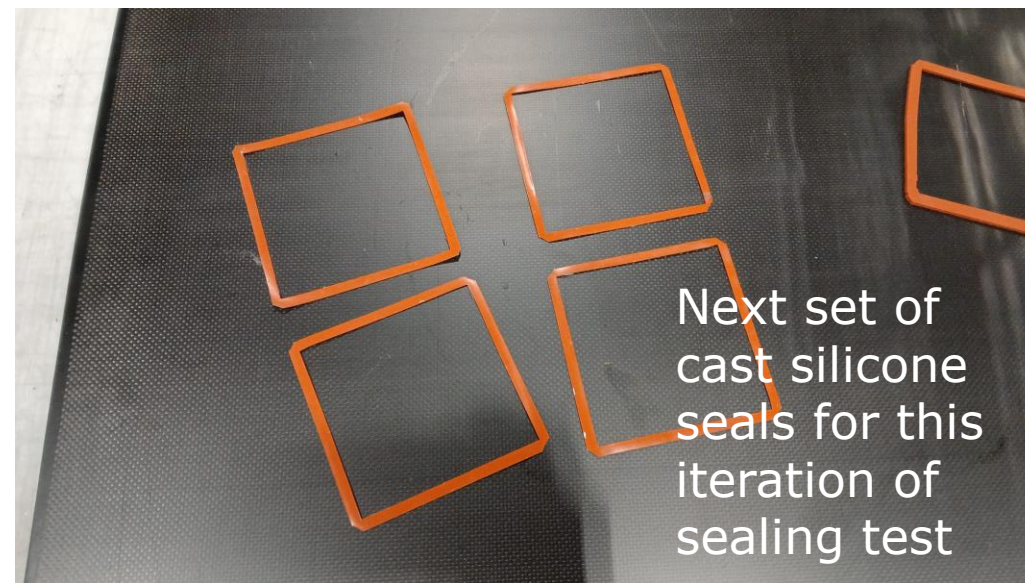
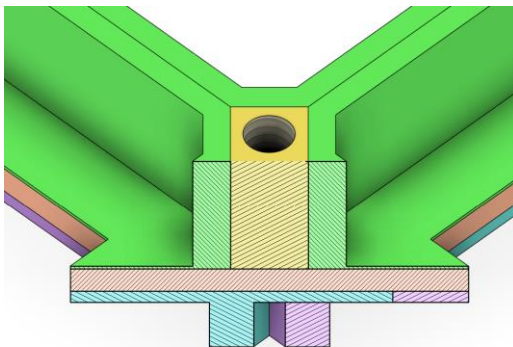
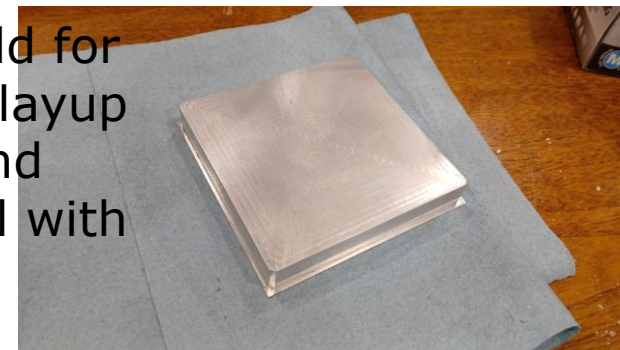
Set number	Vacuum (in Hg)
1	20
2	10
3	5
4	0





- ◈ Ply cutting for the updated sensor plane 2x2 geometry – this week

Aluminum mold for picture frame layup – machined and surface coated with release agent



<u>#</u>	<u>Sub task</u>	<u>Next steps / on-going activities</u>
1.	End Ring (#4)	a. Machining end ring with procedure listed last week
		b. Metrology and shipping to SBU
2.	Sensor Plane	a. FEA simulation for new web/flange design
		b. Sealing test for picture frame (stand off design change)
		c. Prototyping of full plane
3.	Aerogel Plane	a. Tests for flatness of large scale layups / blanks for machining
4.	Inner and Outer Mirror	a. Procedure for tool design is ready – waiting on final go ahead after the evaporation tests on curved substrates