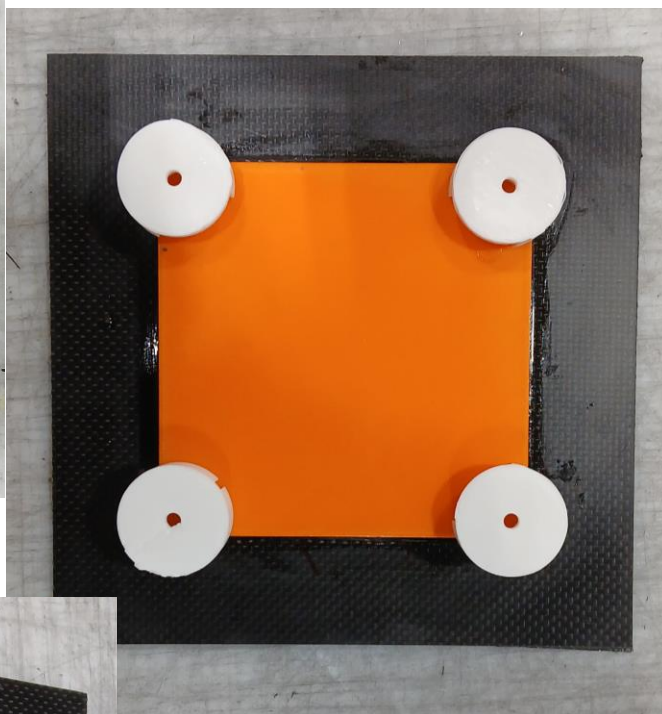
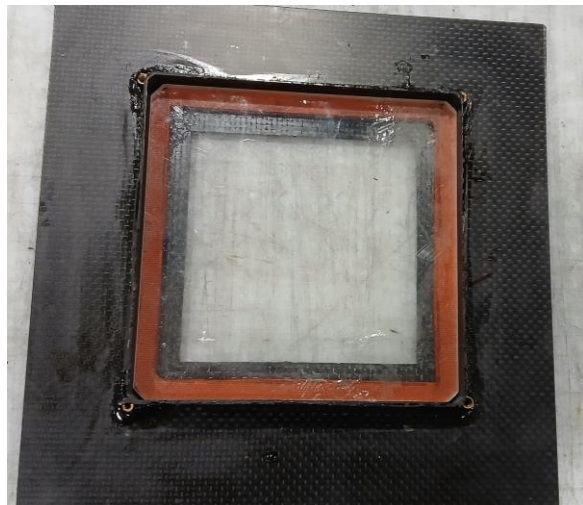


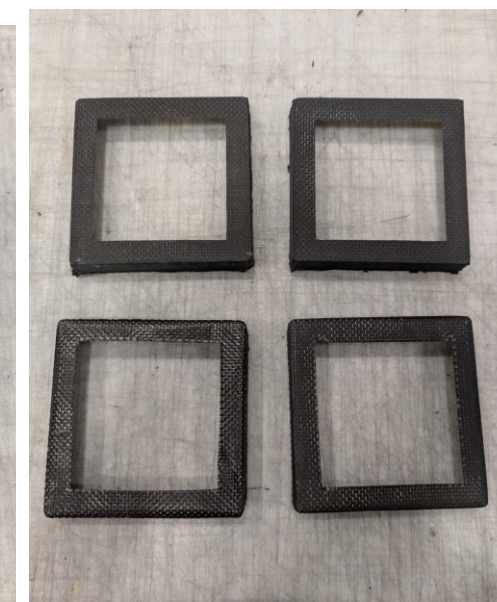
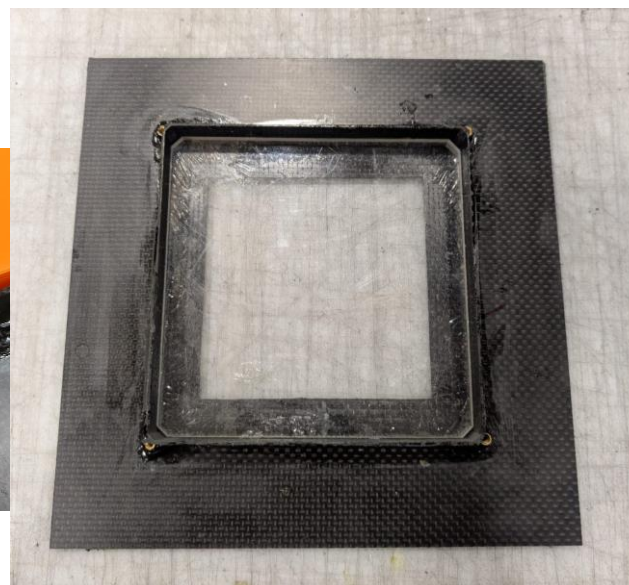
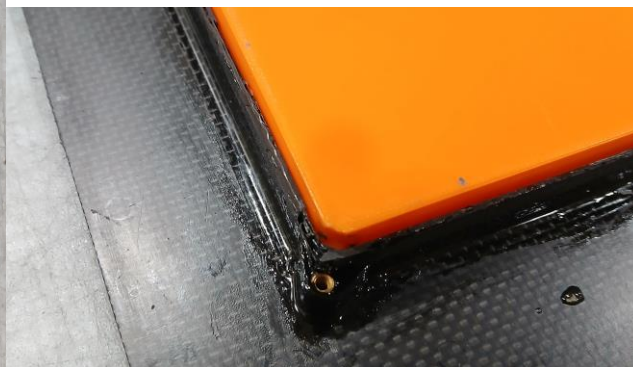
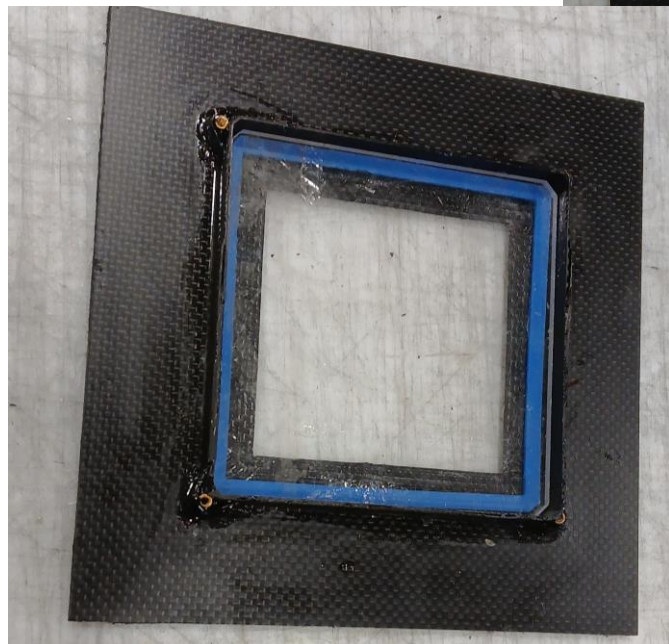
pfRICH updates

Simon Snyder-Smith, FNU Archie, Sushrut Karmarkar, Ben Denos,
Andy Jung

10 Feb 2025



- Single HRPPD test piece manufactured – undergoing testing internally.
- Will ship to BNL in a couple days.
- 4x4 sensor plane – all picture frames manufactured and ready to assemble.



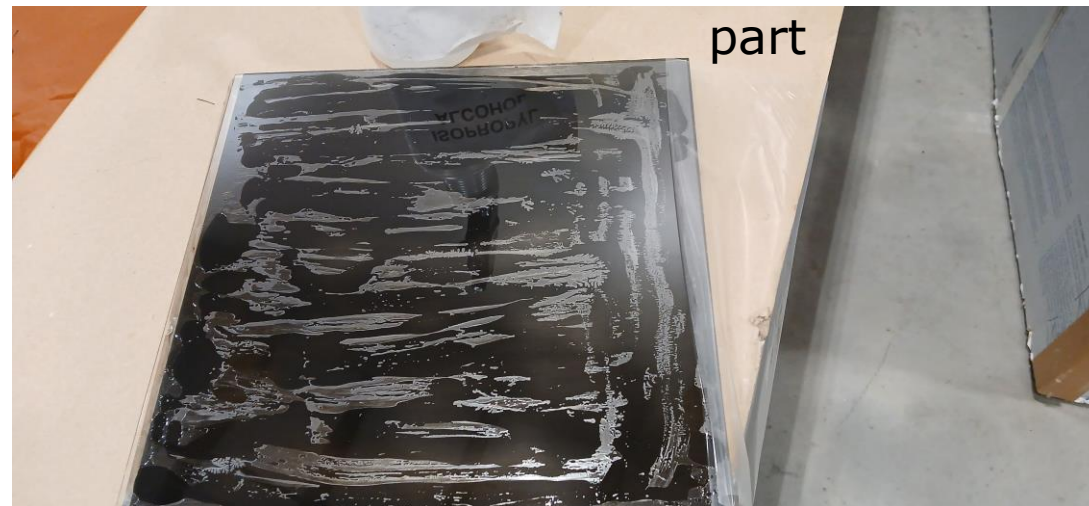
Vacuum failed on this
part



The haziness is from
my camera – NOT the
parts.

4 samples are ready to
ship to SBU

Will go to shipping
department tomorrow.



OLD picture – but same conclusion – haziness comes from
the way light from ceiling is angled onto while clicking
pictures.



- ⬡ We are next in line at the machine shop.
- ⬡ Jigs and hardware to mount the stock to the table is ready.
- ⬡ Working on setting up the dust control system for the router.

#	<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

This week –

1. Lexan samples will be shipped to SBU
2. Sensor plane single HRPPD prototype shipped to BNL
3. Sensor plane 2x2 manufacturing and testing at Purdue (task 2.b.)
4. Finalizing dust control and end ring machining start
5. Simulation for sensor plane – new geometry (task 2.a.)
6. Start on task 3.a. – mold prep and ply cutting.