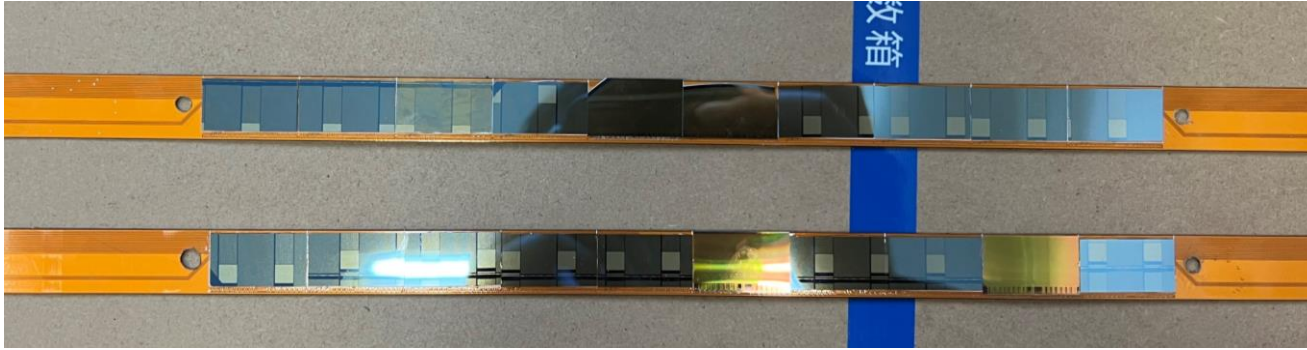
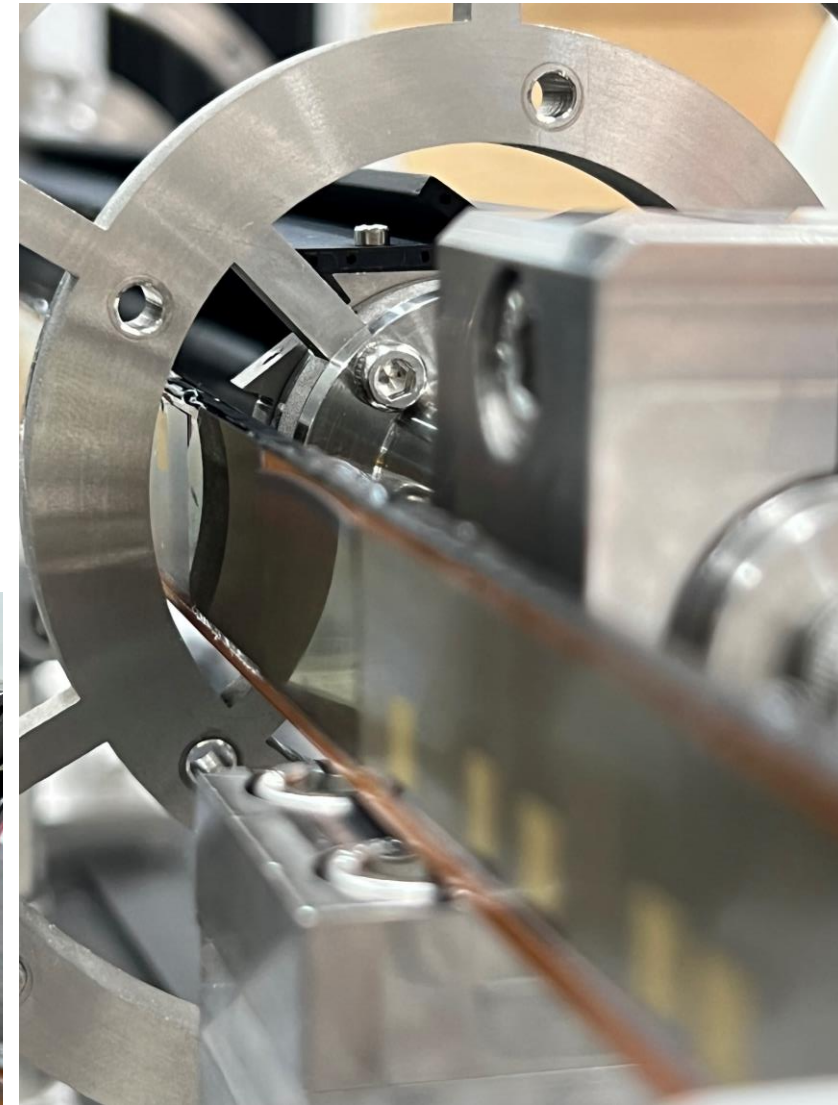
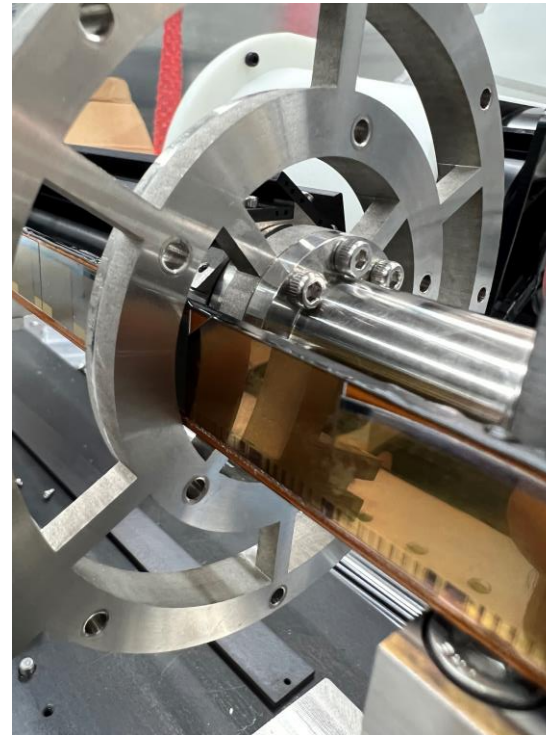
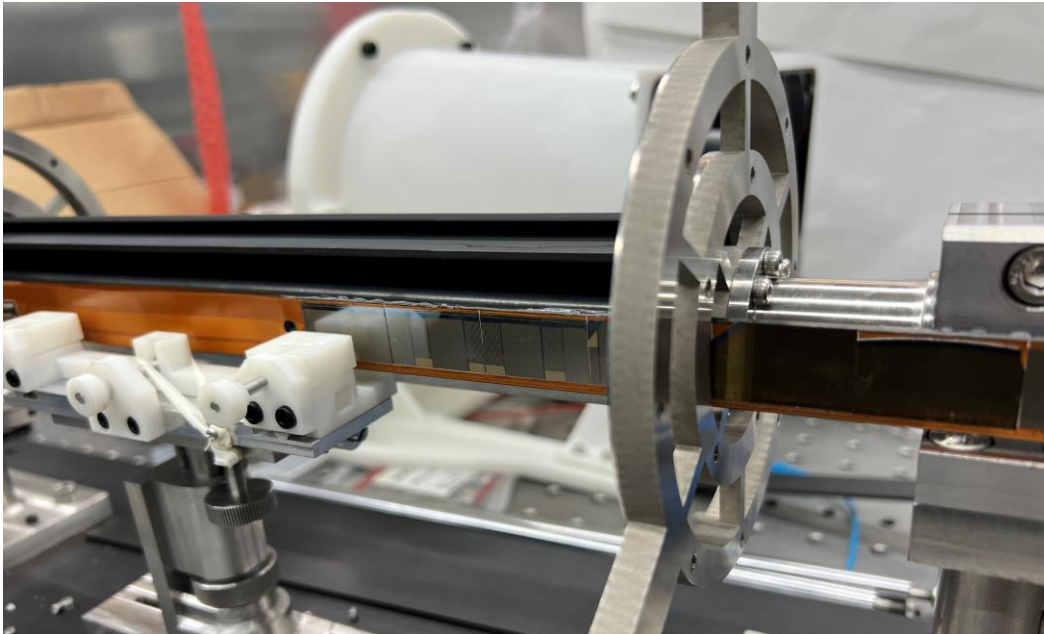


Loading Test:

We have assembled a dummy ladder with some dummy sensors.

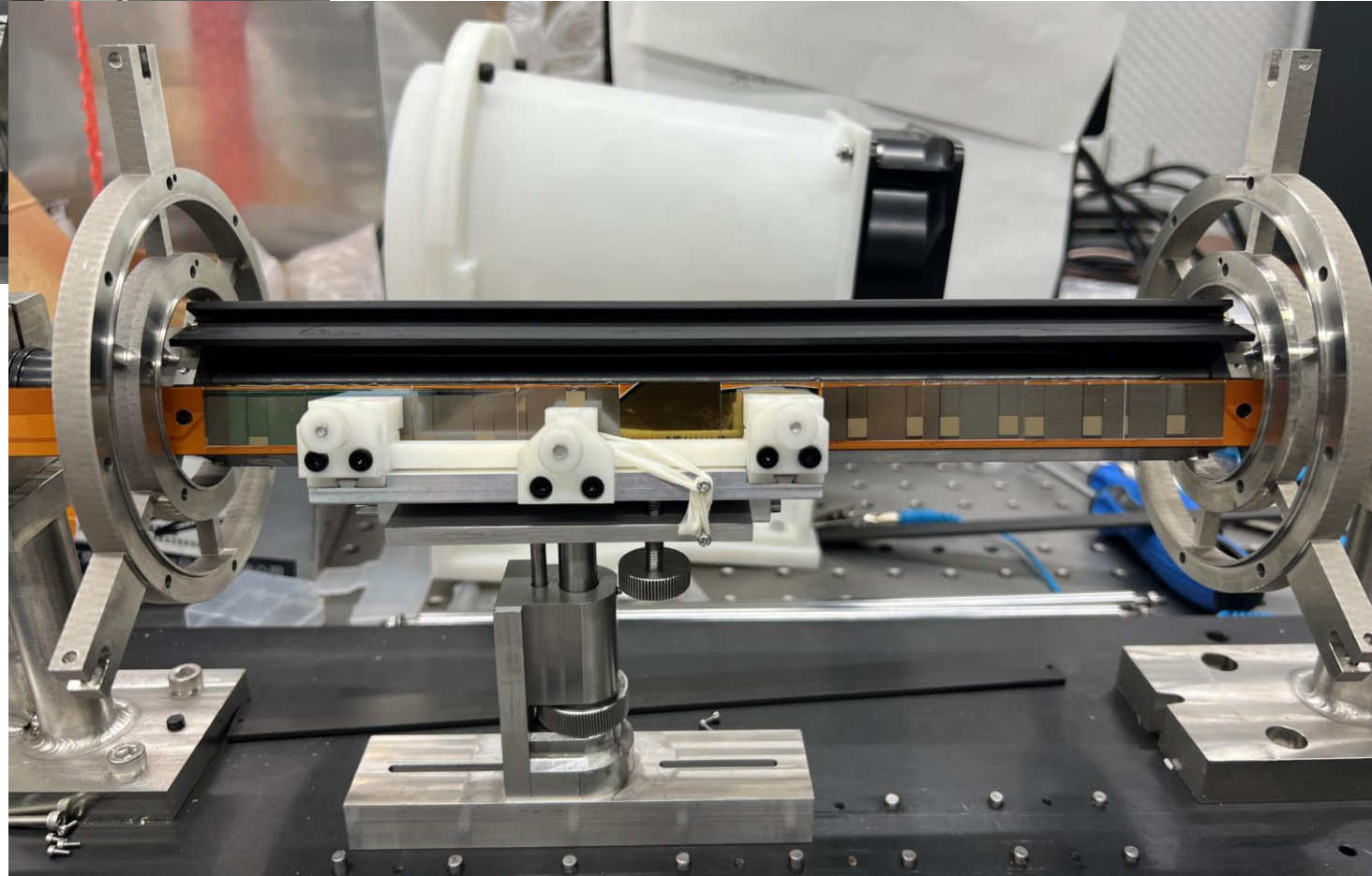
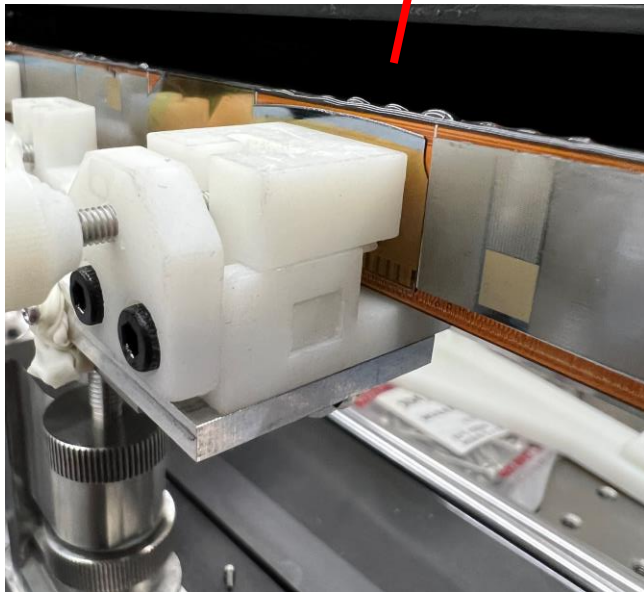
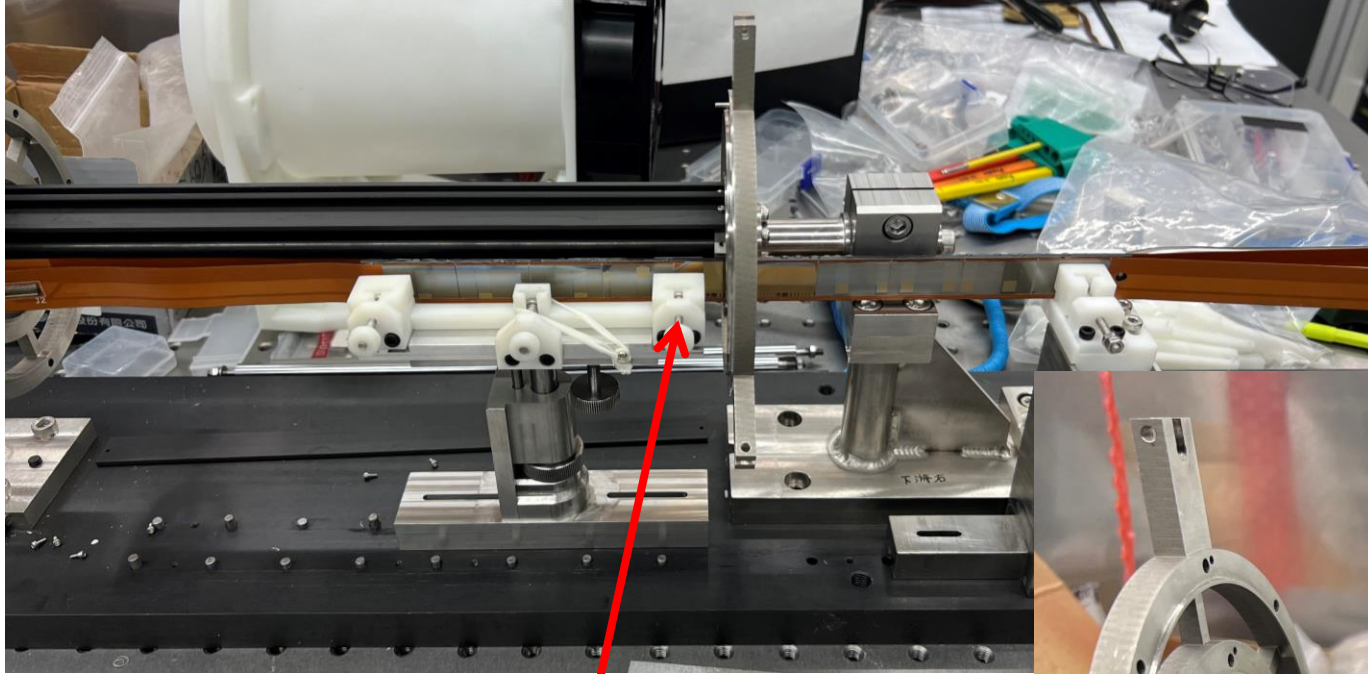


Try to load the ladder on the support.

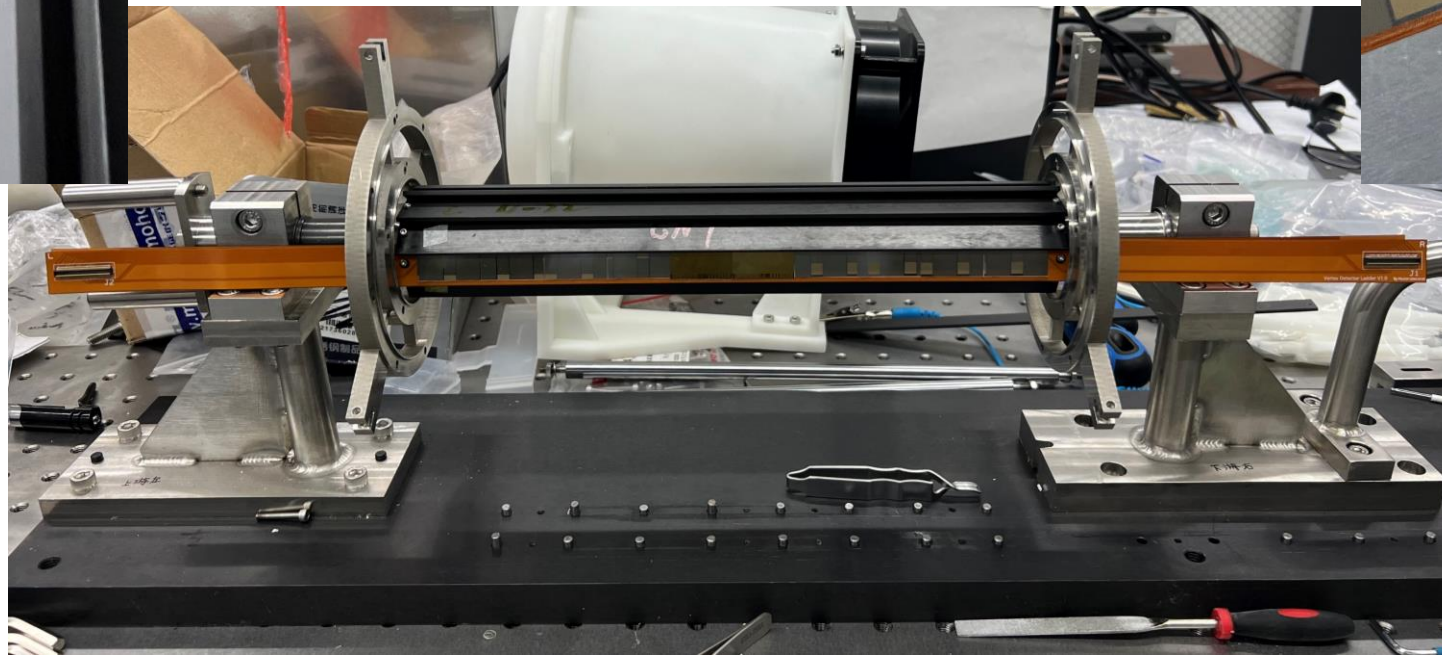
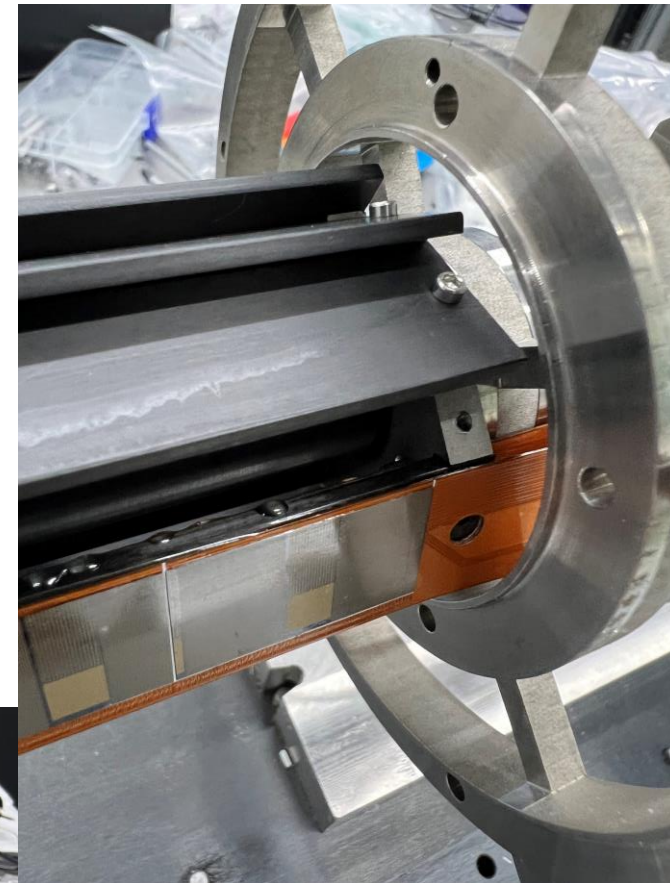
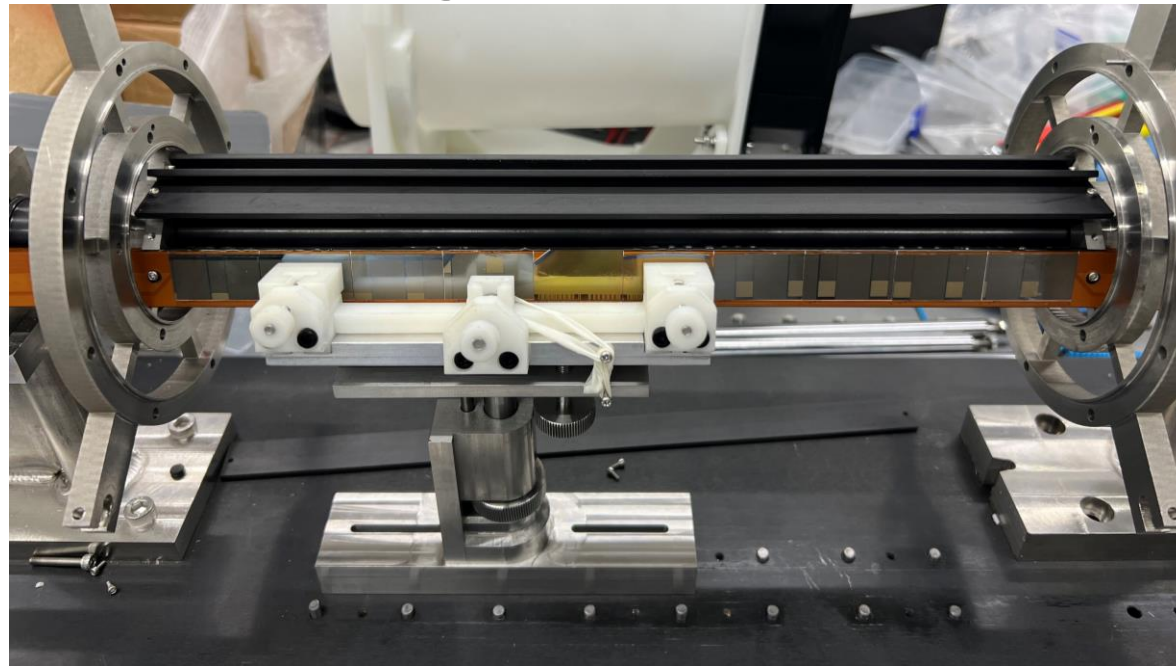
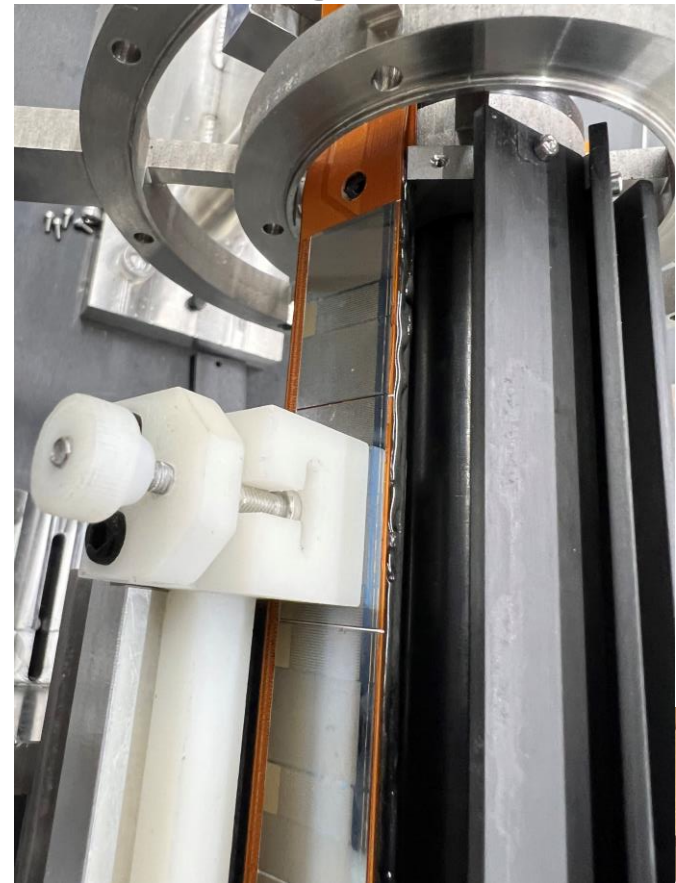


Wire-bonding safe.

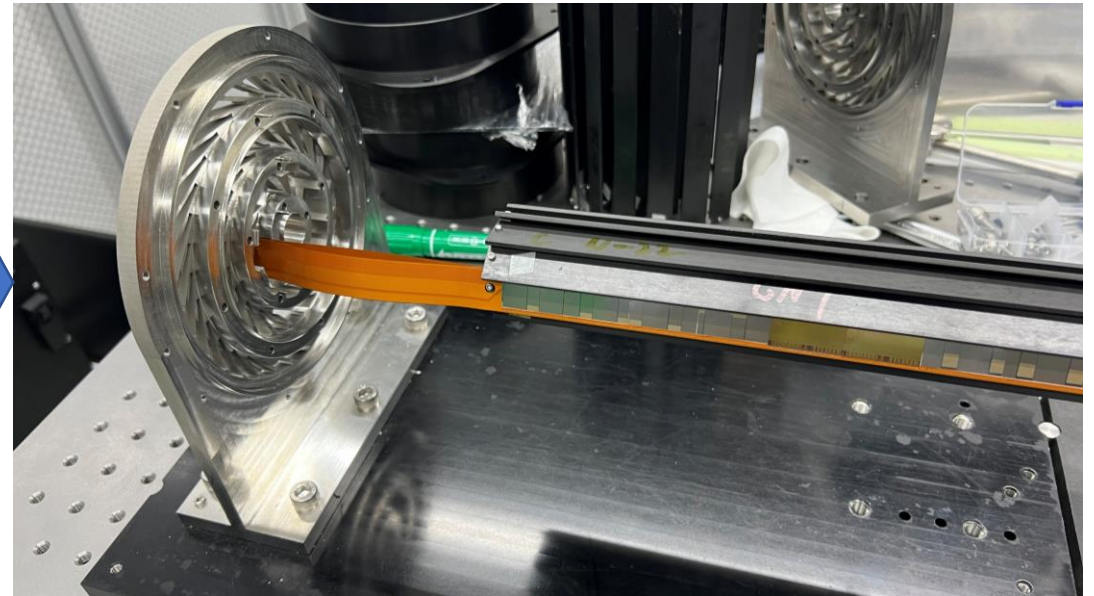
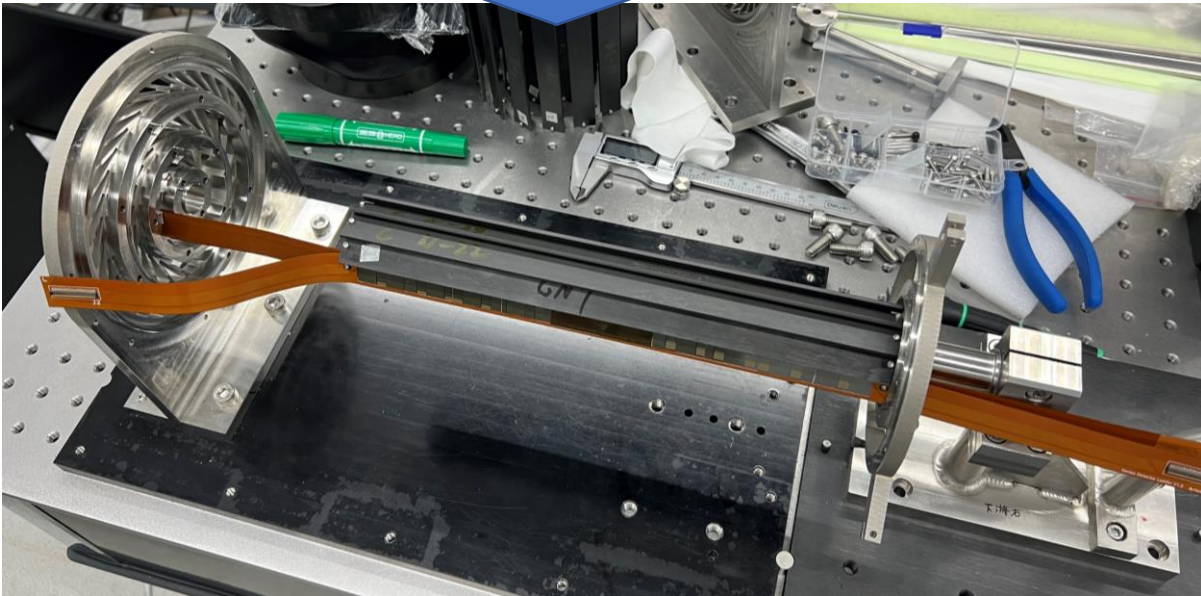
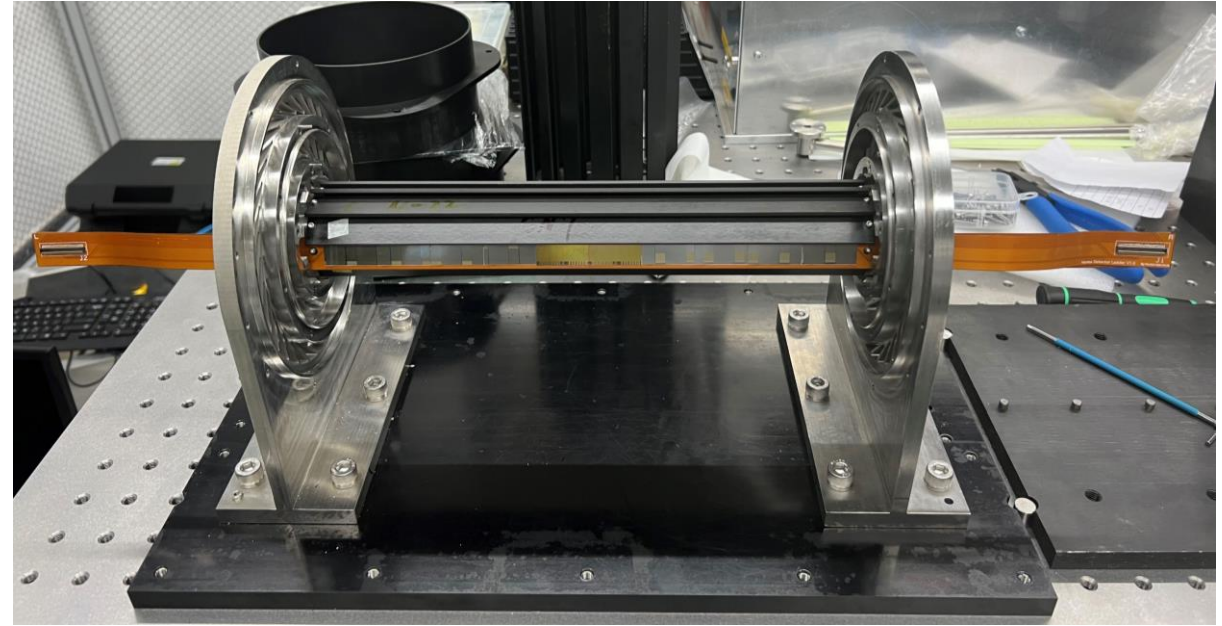
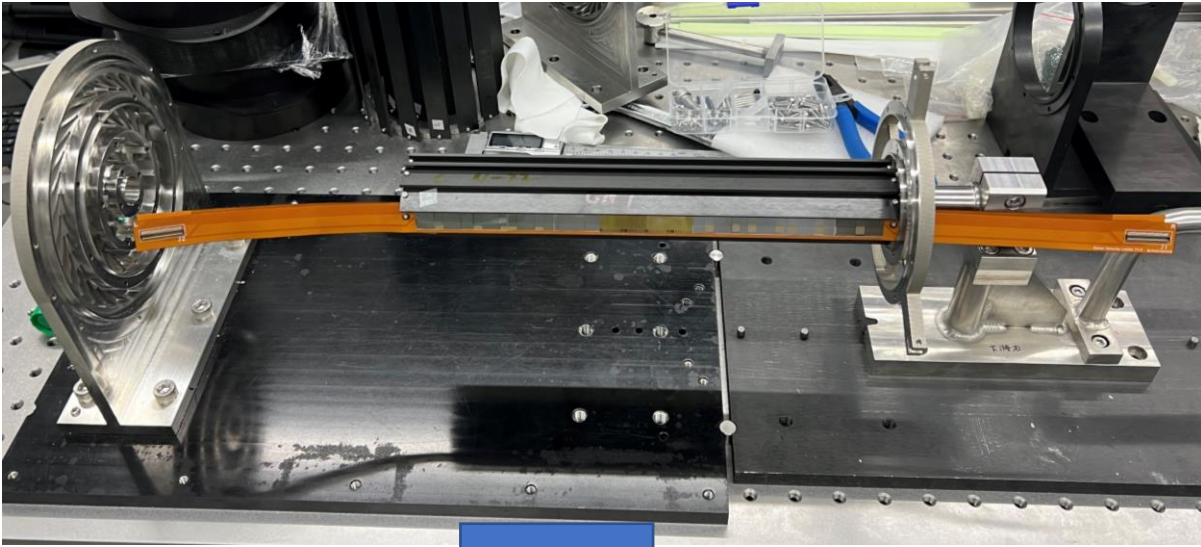
Loading Test:



Loading Test: Fix the ladder on the flange



Loading Test:



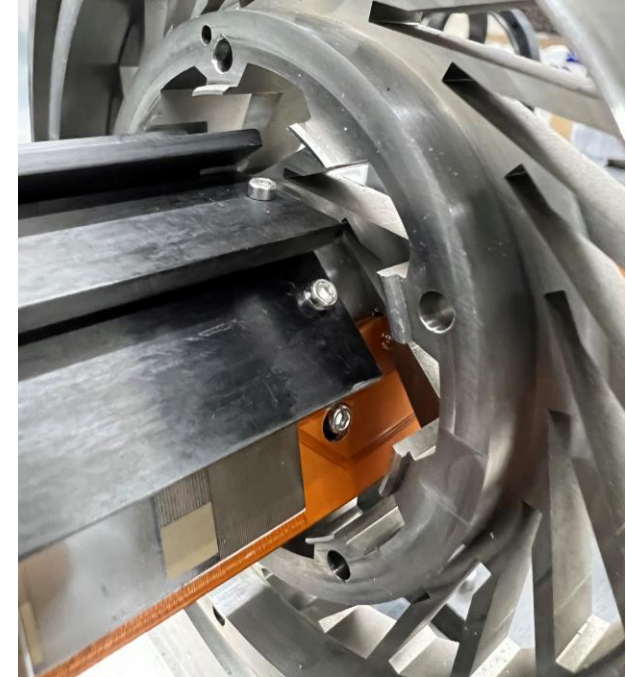
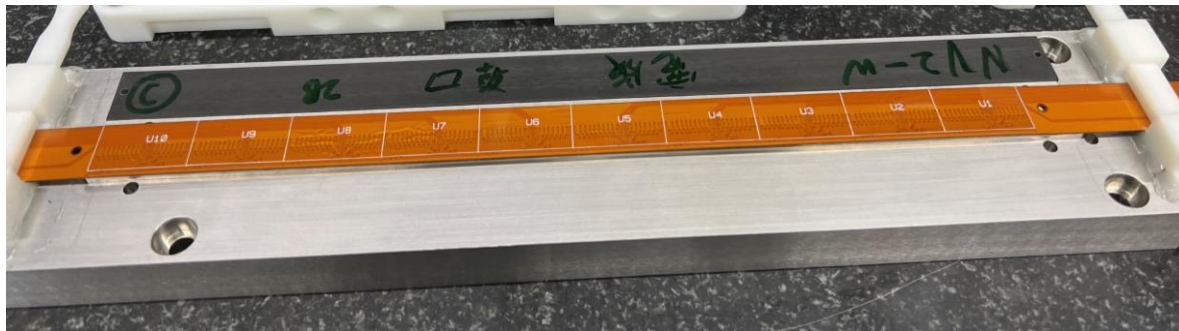
Loading Test:

✓ Successful loading test with inner barrel!

The loading on middle and outer barrel would be much easier than the inner barrel.
This test was done with flex v1.0 (4-layer).

Some difficulties with ladder assembly:

- **We can only assemble one side until the glue is dry (about 6 hours in room temperature, 10 mins with 80°C).**
- The vacuum the gantry use is not enough to pick up the flex, we assemble the ladder by hand with a vacuum chuck and some pins.

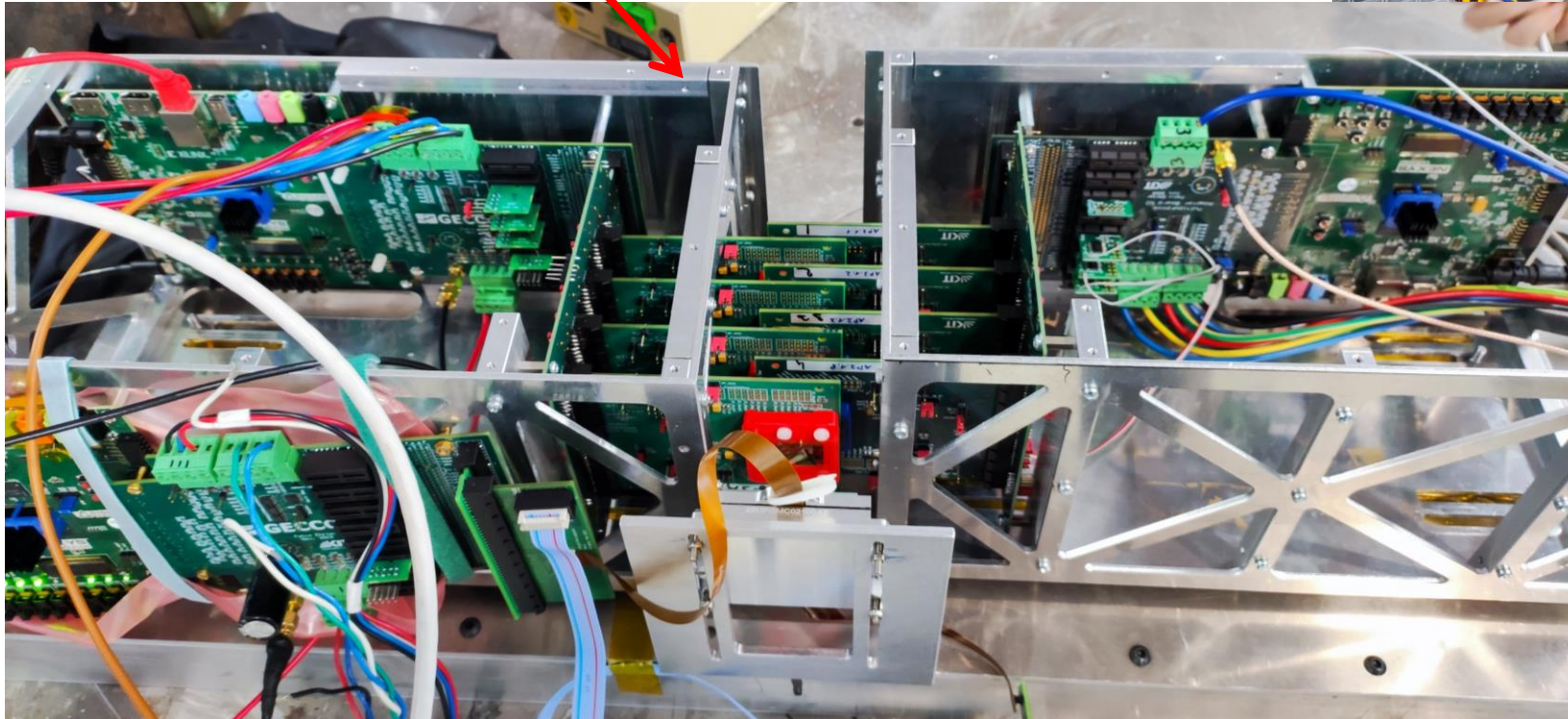
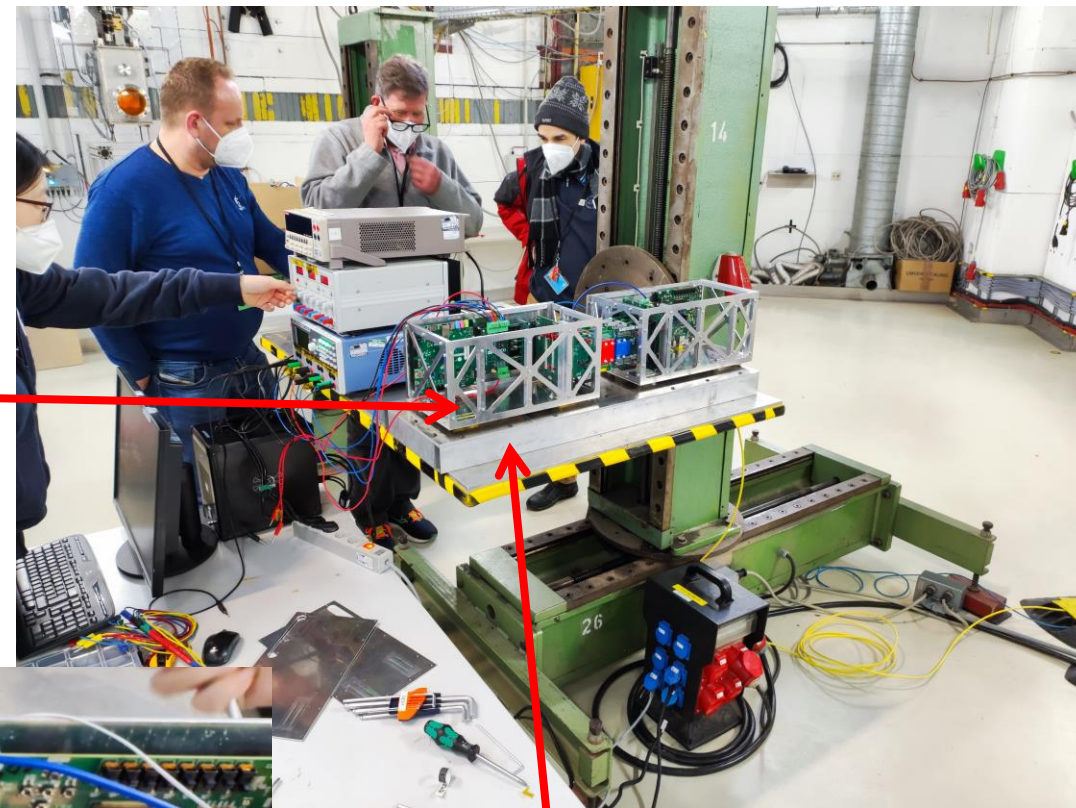


Tools for beamtest in DESY:

CEPC Silicon Tracker beamtest in DESY

The metal support was designed and carried by their team to fix ~~their test board~~.

We should design and produce our own.



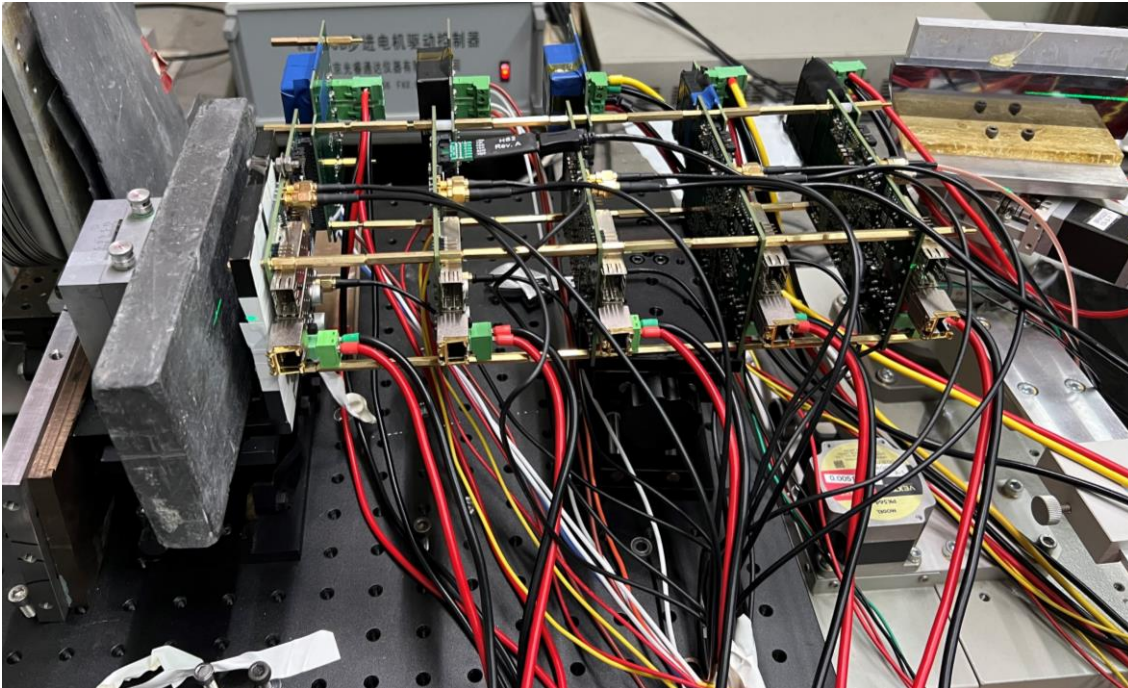
A very large platform to keep the support stable.

Tools for beamtest in DESY:

Wonder whether we should carry these:

- Optical platform
- Hex wrench(M2-M5), Screwdriver(M1-M5)
- Screws, Nuts and Gaskets(M2-M5)
- Pliers
- To be filled...

Will deliver a mail to DESY to check whether they could these tools for assembly and loading.



What is number of the layers of the support, and the distance between the boards?

