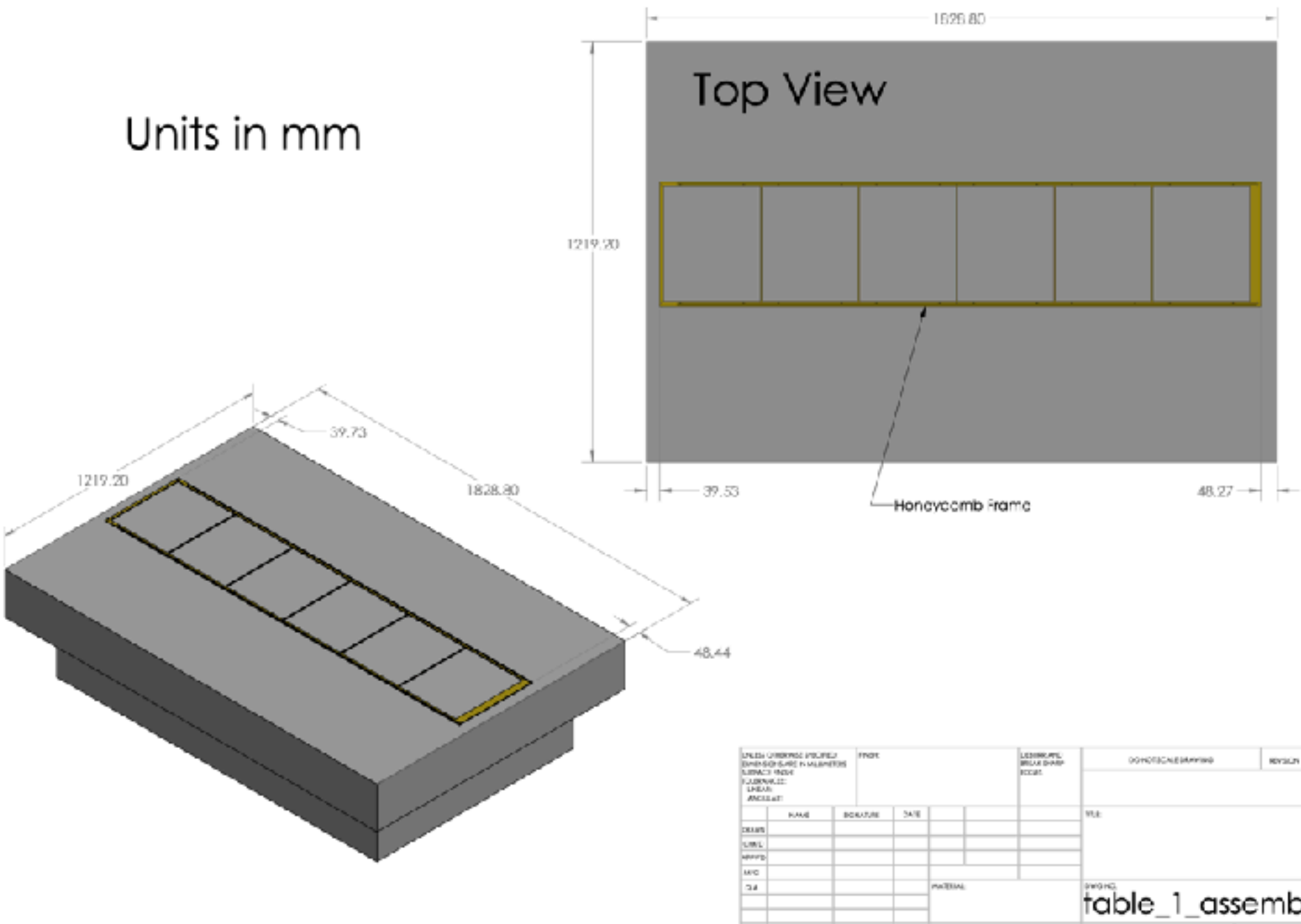


Cleanroom, Test Lab Infrastructure and Equipment Update

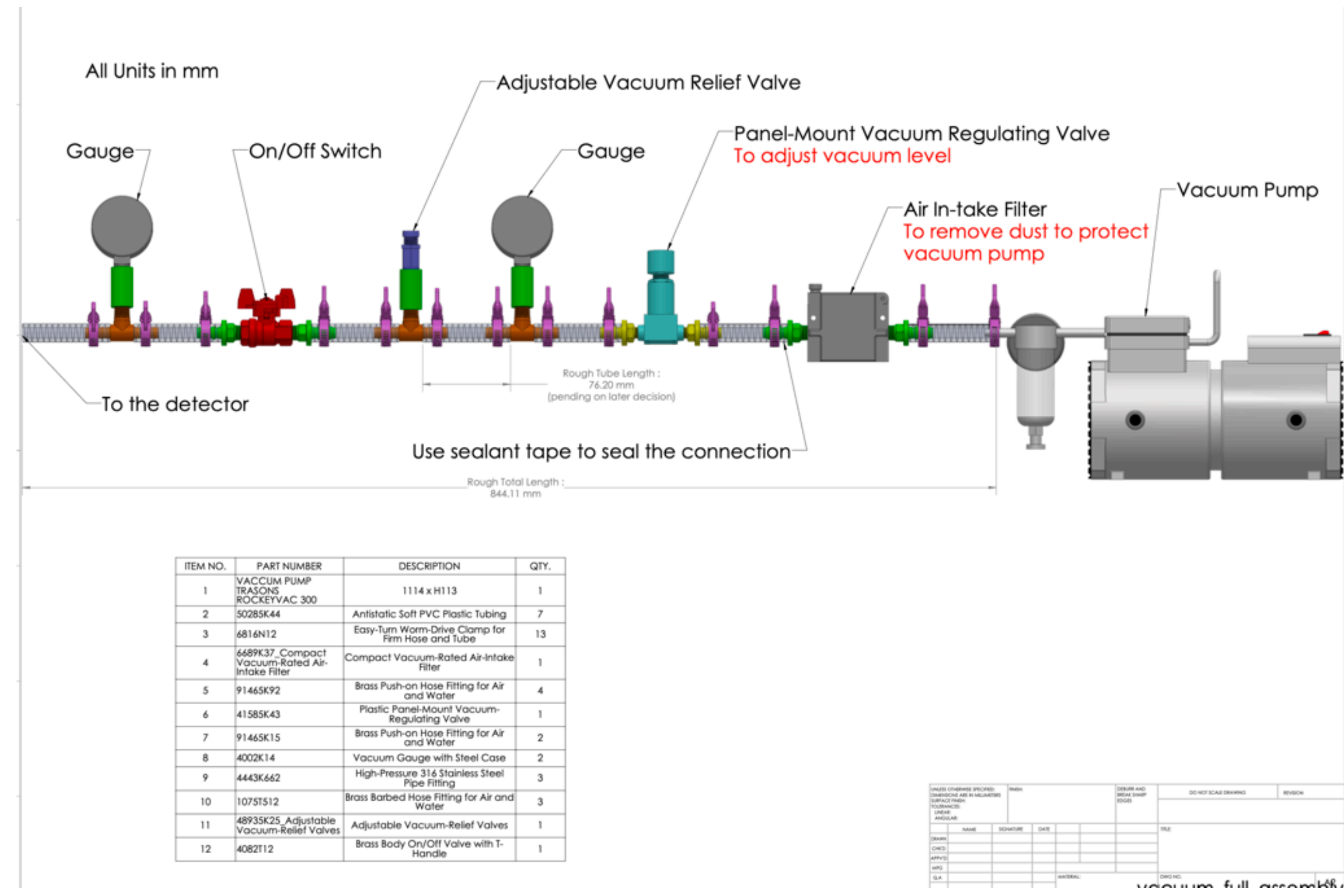
Granite Table Ready

- To prepare a flat surface for vacuum bagging
 - Mainly for honeycomb board assembly
- Polish Complete — Andrew Lumanog (JLab EIC work coordinator)



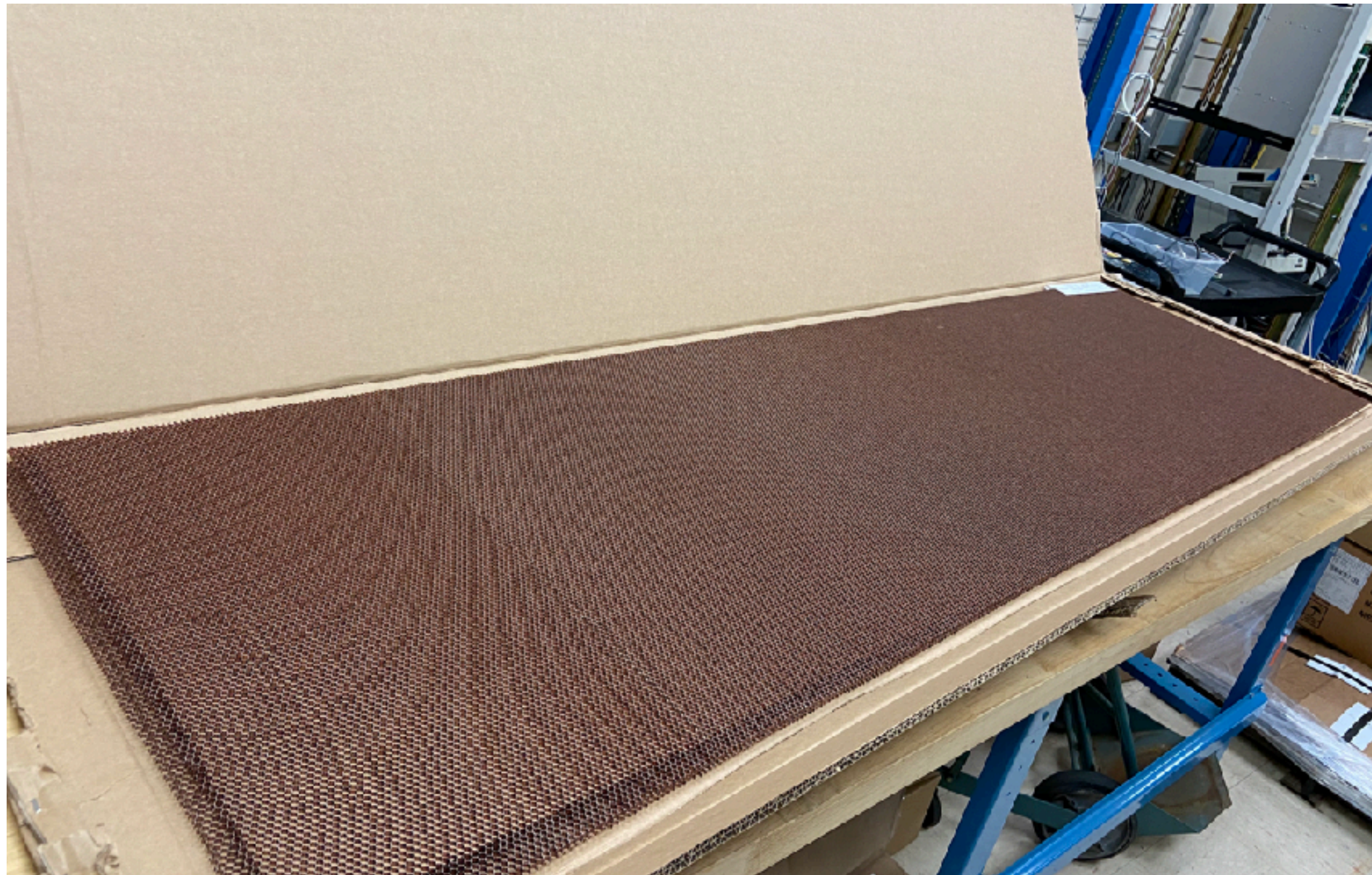
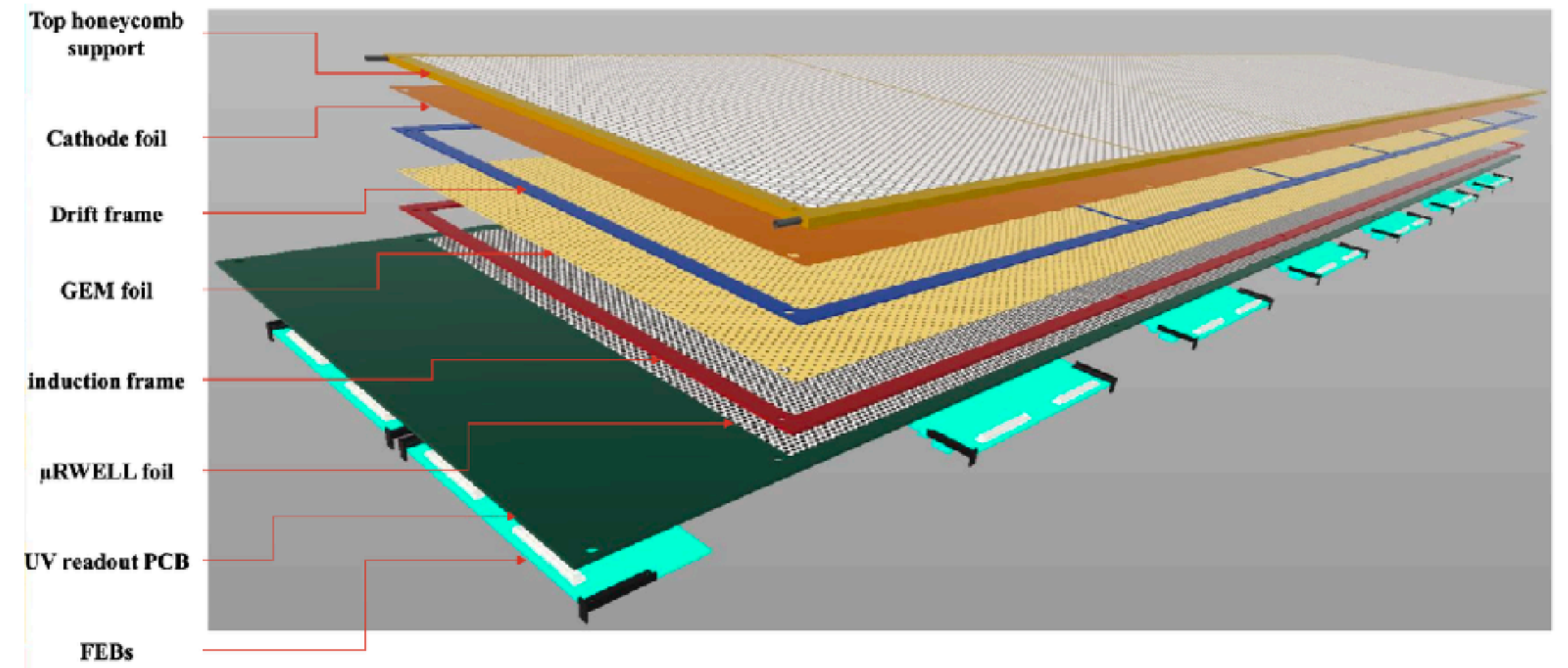
Vacuum Pump Assembly Complete

- The pump for vacuum bagging — honeycomb board assembly
- Performance tested
- Materials for vacuum bagging is ready
- Breathe cloth
- Film
- Sealant tapes, ...

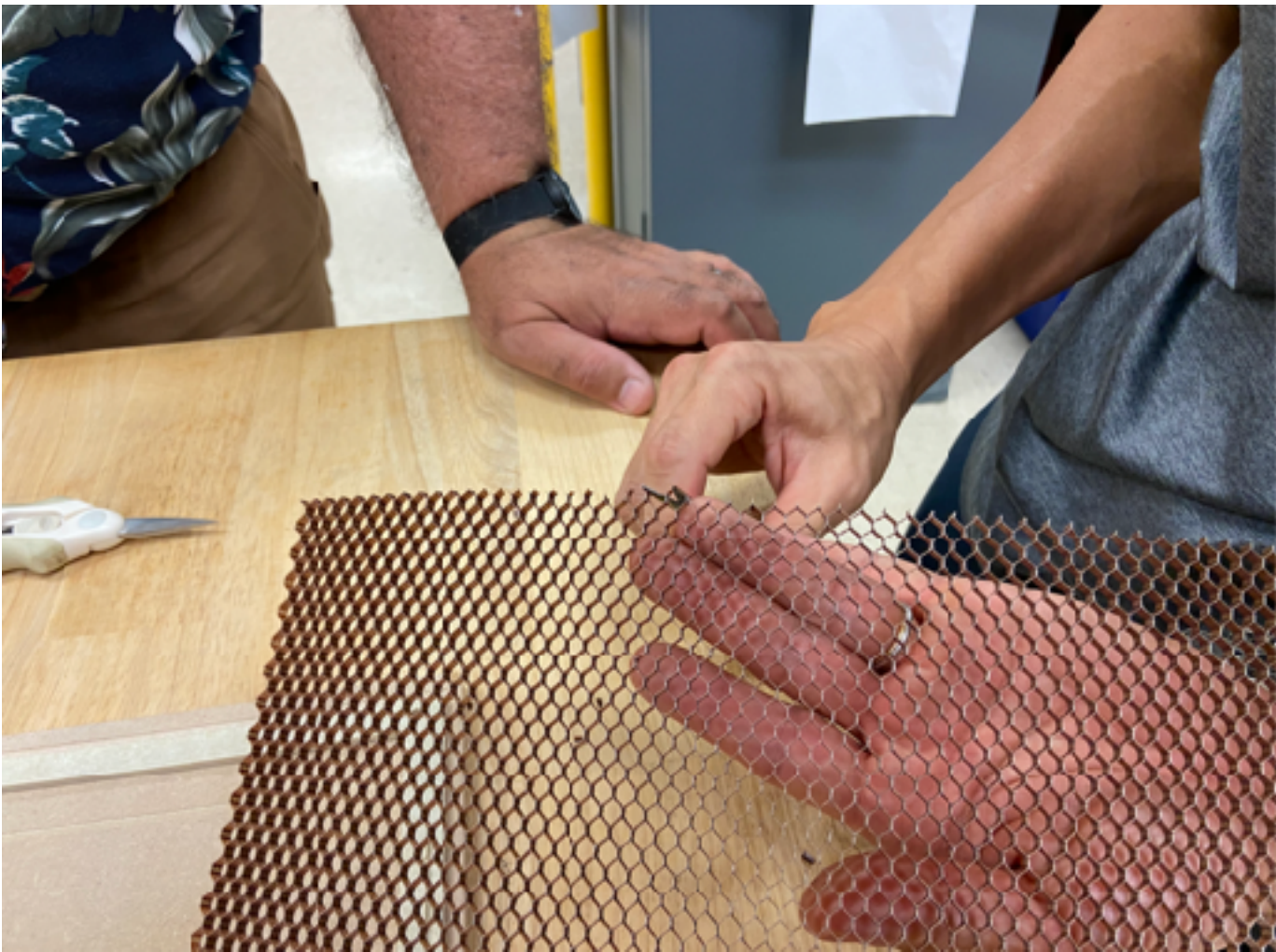
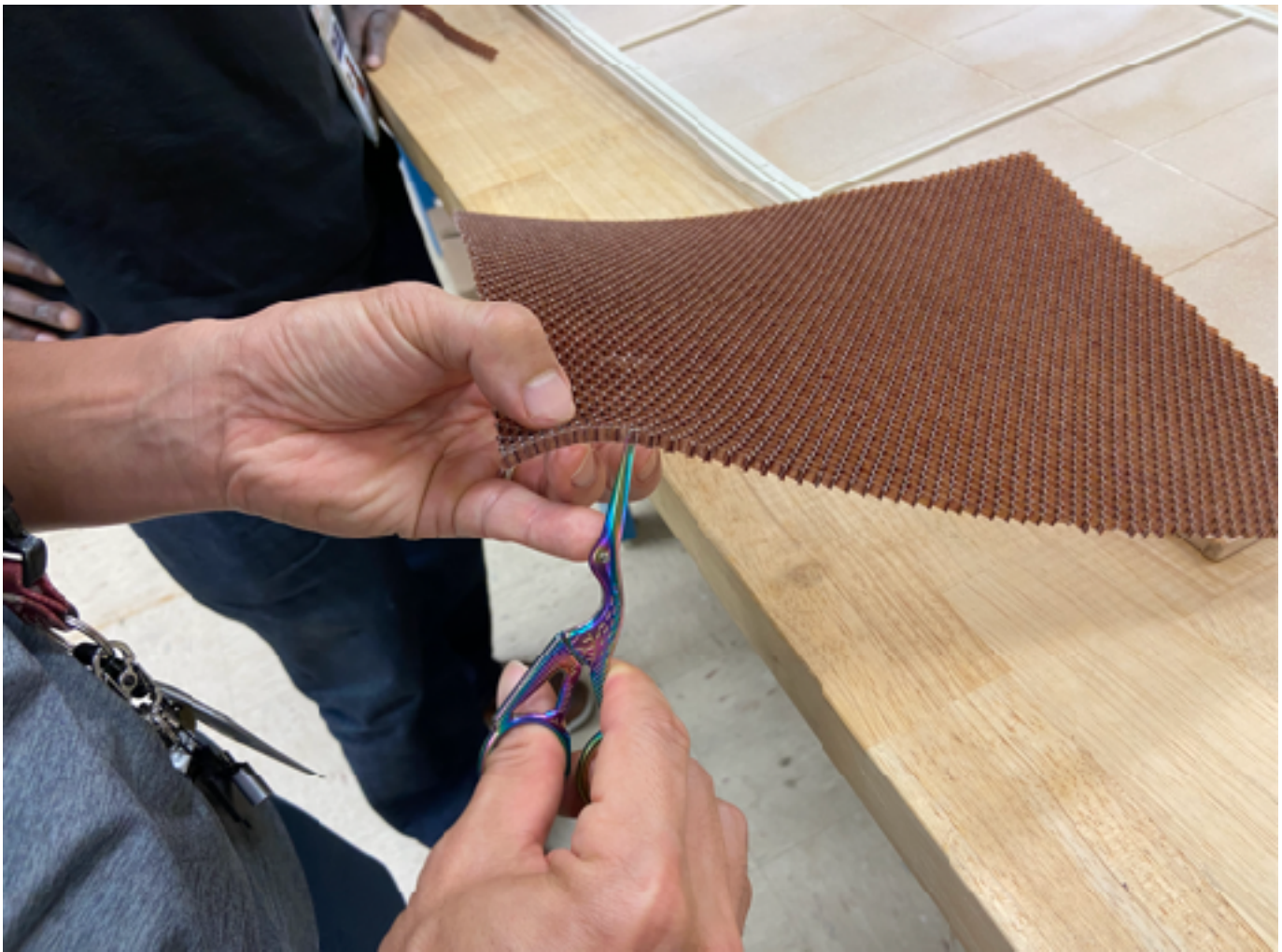


Honeycomb Board Preparation

- Nomex Honeycomb material (Axiom)
- Top honeycomb support
- Material came in as a whole piece
- Cut into the correct size



Honeycomb Board Preparation



Honeycomb Board Preparation

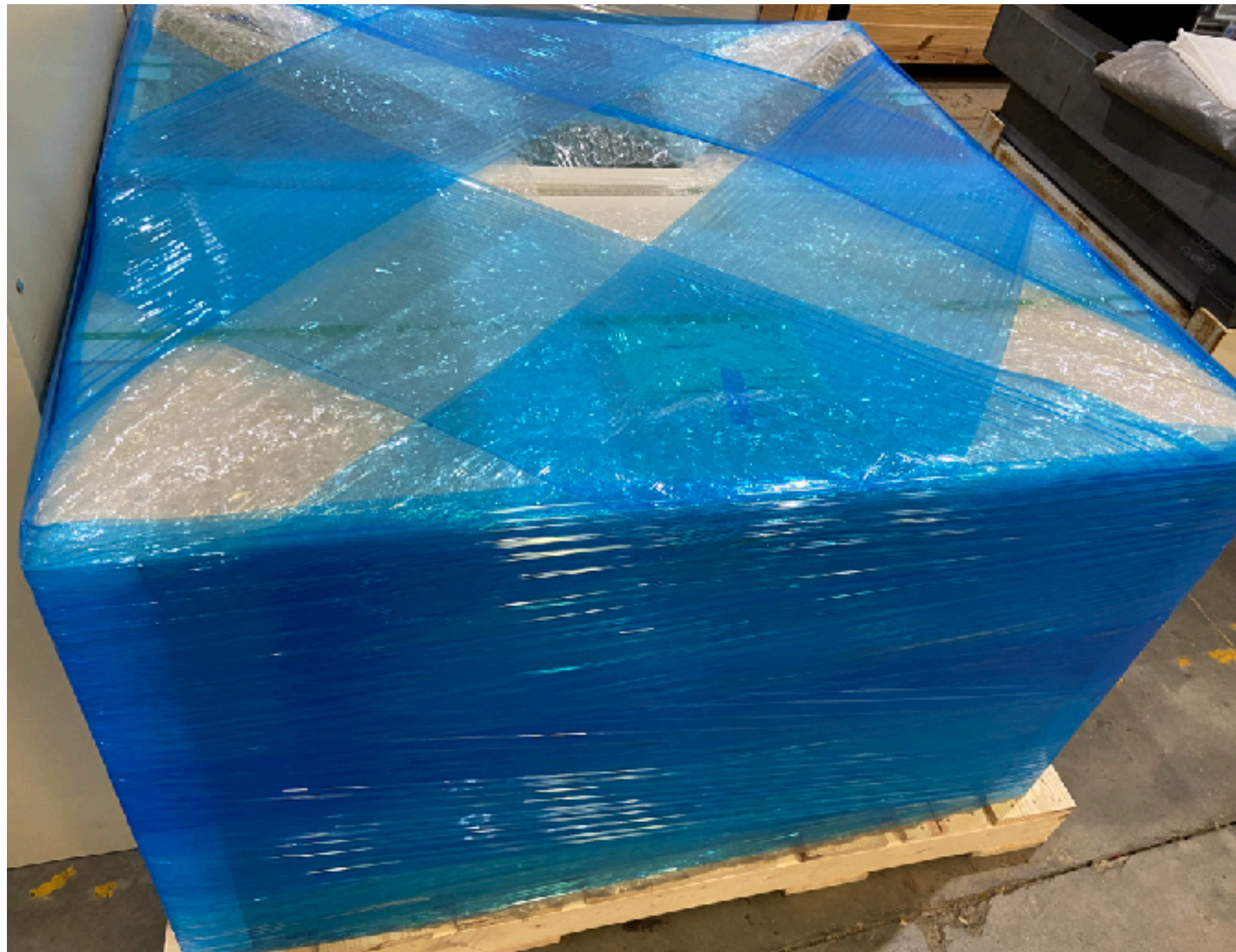


Honeycomb Board Preparation (125 um thick G10 skin)



Fume Hood Delivered

- Detector Frame preparation (G10/FR4)
 - Mainly for frame varnish purposes
- Delivered to JLab EEL building Rm 126 (Assigned MPGD Center Area) — **pending installation (JLab Facility)**



Cleanroom Renovation Complete

- HEPA filter replacement completed
- All instruments in place
- Cleanroom is fully functioning
 - Cleanroom use protocol will be implemented (follow dress code)



Stretcher in cleanroom (old photo)

Summary

- Cleanroom complete
 - Major instruments in place
- Test Lab installation has big uncertainty
 - Ultrasonic bath
 - Power Grid adaptation (transformer procurement)
 - Drainage
 - Fume Hood
 - Exhaust ducting work
- Total cost for installation: around \$45K