Preproduction requests

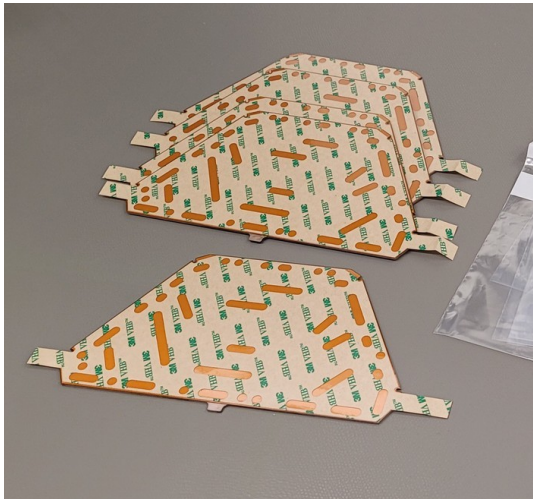
Request for Janurary/Feburary

CuW LD Full – 18 | **CuW HD Full** – 63 (Total 81)

- Complete 22 (Transfer tape not assigned, waiting for metal cutting)

Ti LD Full – 20

- Complete 12 (Transfer tape not assigned, Not more metal)



CuW HDBottom – 5

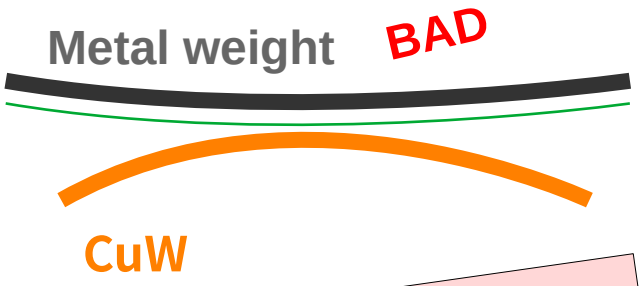
- Complete 5 (Including transfer tape!)

CuW LDLeft – 5

- **Complete 0** (requirements: QC definitions/transfer tape)

Protocol changes - assessment

- Hole-neigborhood cleaning. **All good!**
- **Edge delamination**
  - Cause: Anti-alignment of Kapton and baseplate curvatures
  - ***Prevention***: **Flexible** surface during curing. Enforces good contact across entire Kapton surface during curring
    We can artificically generate this issue by changing curing configuration!
  - **Recovery:** manually adding small quantities of glue post-mortem into gap confirmed to *not* introduce flatness issues!



Full solution would require better equipment (under construction)

Purchases and items for products

- **Sensor-side transfer tape (for partial production)**
  - Brend has submitted to Leiton
    (has a finite chance of arriving before Lunar new year)
- **Missing Kapton + transfer tape assembly**
  - Brend mentioned that good transfer tape application might not be possible for low volume purchases… in discussion.
- **HDBottom + LDLeft transfer tape (cut by NTU)**
  - Arriving sometime today/early next week (Radiation request can be completed by Feburary).

Equipment purchases/requests

- **Shelves**
  - For lamination curing settling
  - For better inventory management
- **Jig 2.0**
  - Better handling for partials items (replaceable face?)
  - Lighter to reduce operator fatigue
- **Second microscope**
  - Intermediate Inspection should be trivally parallizeable
- **Curing weight**
  - Soft surface **(see page 2)**
  - Cover the entire baseplate (20cm diameter)
  - Targetting a weight of 1KG per weight

Still under development

Questions about metal

- Of the 30 **CuW Full** plates we received end-of-year, only 20 passed QC:
  - **1** had face artifact
  - **9** fails flatness test (red grade)
    - **10** plates are orange grade flatness
- Of the 37 **CuW HD Bottom** plates we have in inventory
  - **0** fails flatness requirement (red grade)
    - **3** plates are orange grade flatness
    - **3** green grade flatness has flatness > 0.05cm
      (The majority is super in spec!)

Is there something in the metal processing pipeline that is about 20cm in scale that is caused **full** Plates to be not flat??