



Mighty Tracker 01/09/2026

Liverpool Plans



- MightyPix 2 in early 2027
 - Get everything ready for arrival of chips
- ATLASPix currently not priority for Liverpool
 - Ashley has submitted flex design for manufacturing
- Required
 - Glue: Loctite
 - Set up of pick-and-place machine



- Place chips to precision that is required
 - Ideal target gap: 50µm
 - If not achievable, try 75µm or 100µm
 - New PCB on vacuum jig needs testing
 - Need to figure out chip displacement from first trials
- Can we use a long vacuum line from the smartscope to the pick-and-place machine to measure position of chips without gluing them?
- Control glue gap and glue amount
 - 100µm gap
 - Glue dispenser of pick-and-place machine??
 - Depends on viscosity and pot time of glue
- Thermal study using resistor dummy chip
 - Required plan on how to connect dummy chips, support PCBs, ...
 - Investigate if Manchester could build a core with co-cures from Liverpool?
 - Test effect of polyimide between module and core (impact on thermal performance)





- Remove all silicon dummy chips from carrier
- Measure dimensions (Keyence)
 - Including thickness
- If glue in hand, perform curing study
 - How long until glue hard enough to remove vacuum tools
 - Touch test
 - Push test

