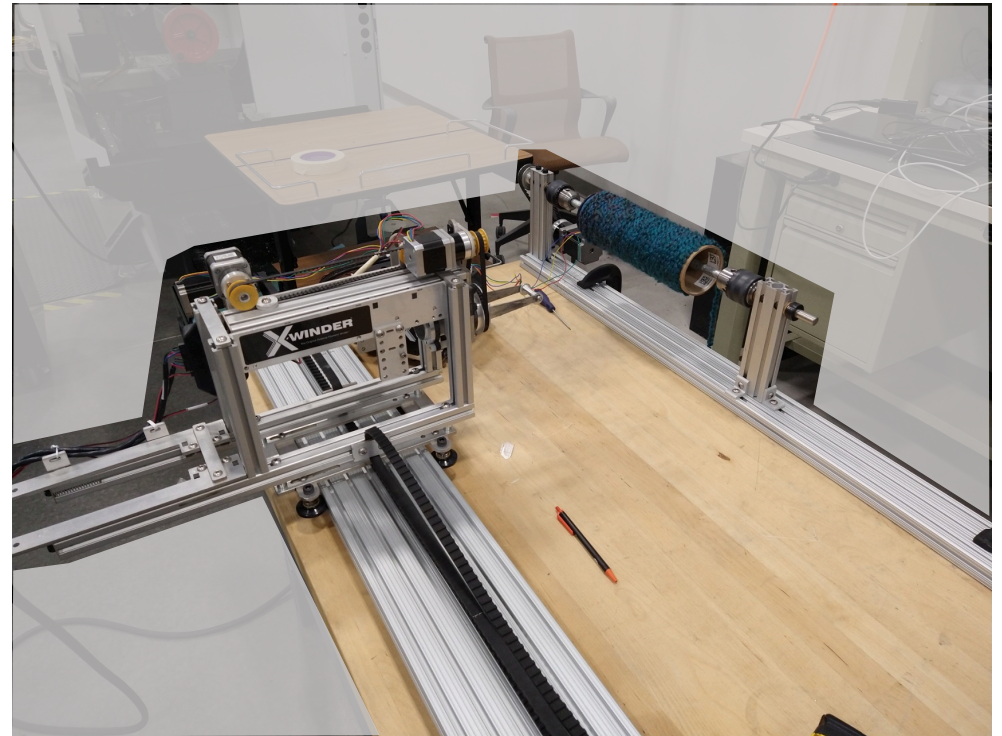


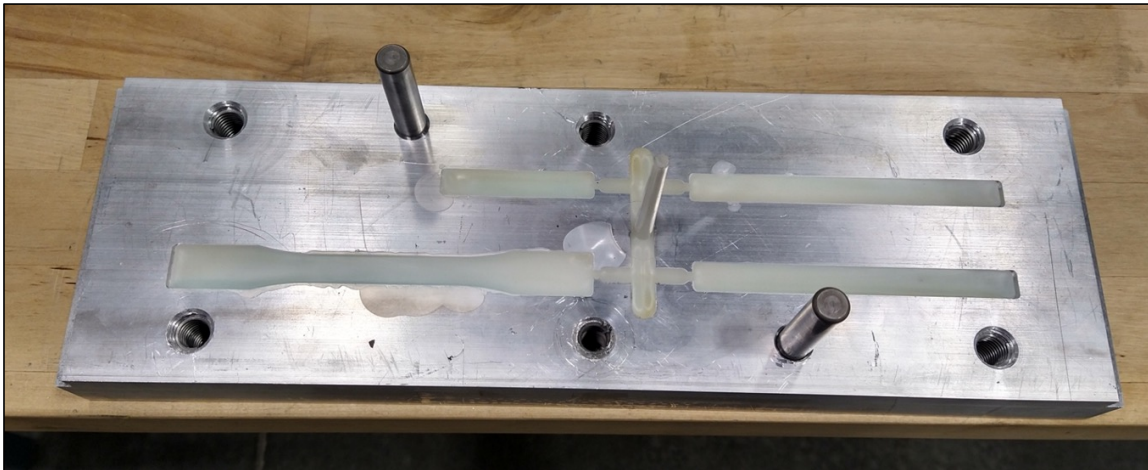
## Carbon Fiber Preparation

- Carbon fibers need to be **sized and chopped** prior to compounding
- **Conductive Composites** lent WSU their chopping device and provided instructions on how to perform the sizing procedure.
- A system for sizing fibers with sizing and respooling the filament has been assembled using an **X-Winder filament winding system** borrowed from University of Utah.
- Sizing tests will begin immediately. The amount of sizing will be assessed with help from faculty of the **WSU chemistry department**.
- Once sized and chopped, fibers will be sent to **Plastic Analytical Laboratory** for compounding

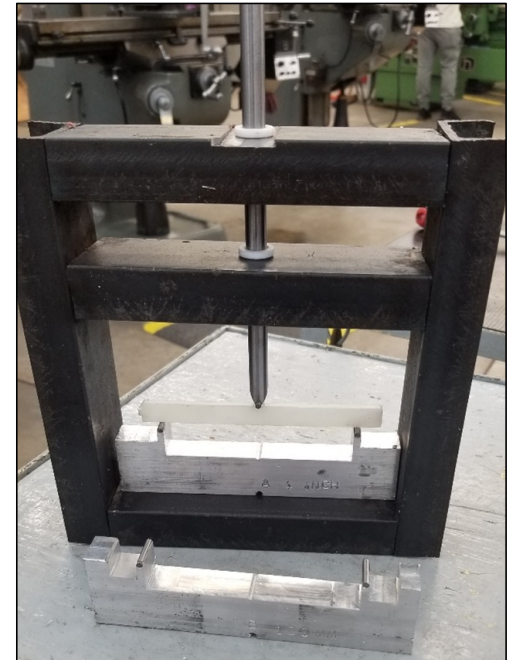


## Other developments

- **Injection mold** for test coupons fabricated by Zach Golden.
- Test setup for **deflection at temperature test** fabricated by Taylor Foss at the Concept Center



Injection mold for test coupons



ASTM D648 deflection at temperature test fixture