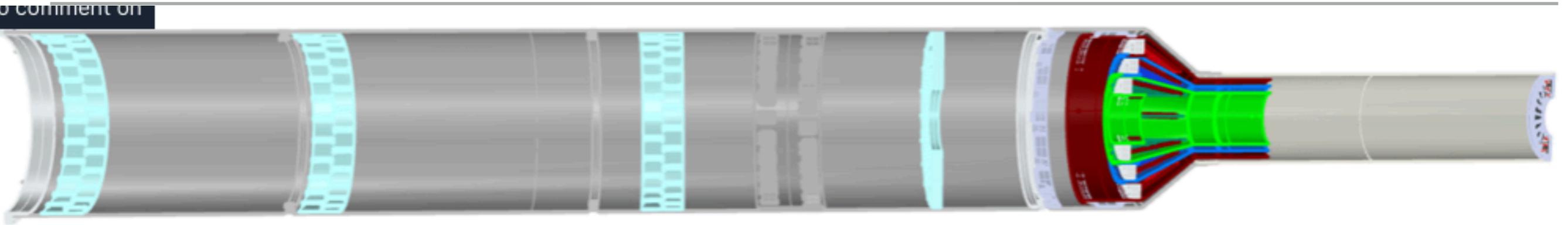


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**MECHANICS AND SUCH  
NEWS FROM WORKSHAPE**

# STATUS



1. Moulds and jigs
2. Aluminium parts
3. Carbon fiber parts

# MOULDS

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*L1 cone mould.*

**L1 CONE**



*L2 cone mould.*

**L2 CONE**



*CYSS mould.*

**CYSS**



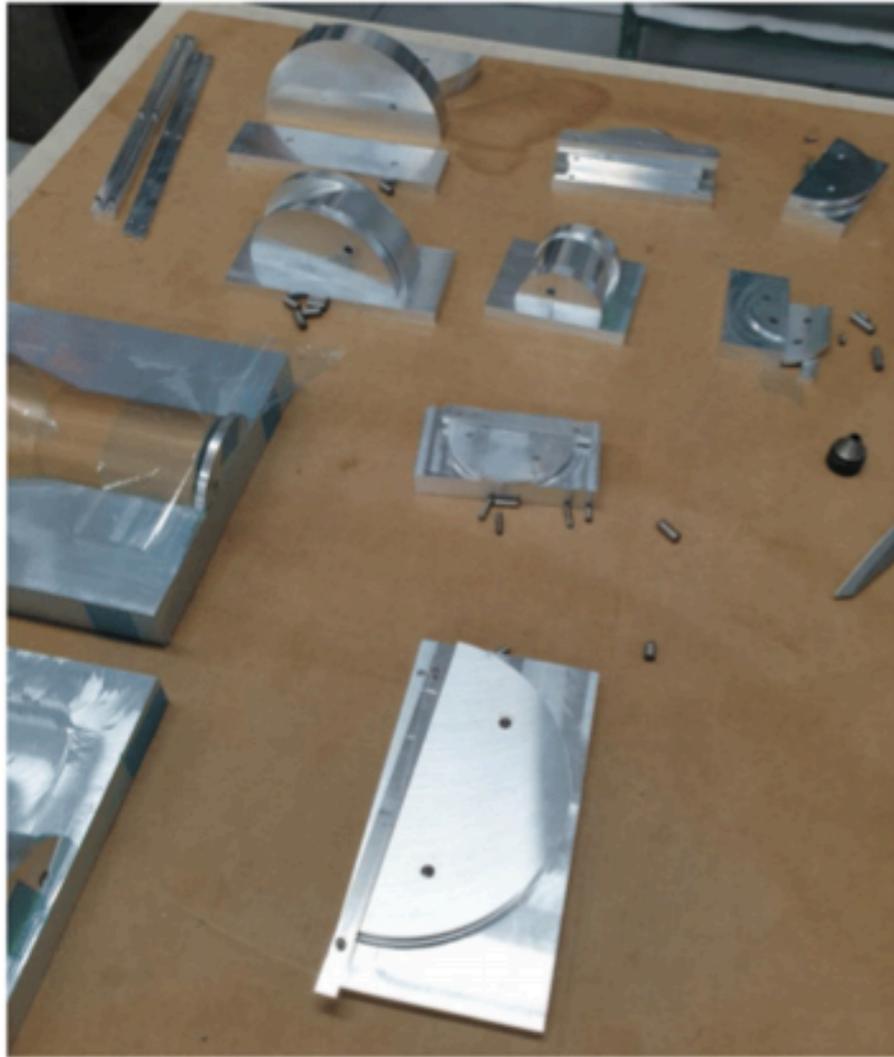
*Service Barrel mould, with some Teflon tape on it.*

**SERVICE BARREL**

## ▶ **Status**

- ▶ began milling the Al moulds to manufacture the CF parts
- ▶ milled the same as L0-test\_article , w/ same accuracy

# MOULDS & JIGS



*C-rings, Springs and Passthrough divider mount moulds.*

**MORE MOULDS**



*Carbon fiber caul plates*



*Resin bonding jigs – L1*

Aluminium bonding jigs (L1, L2) have been milled, and are currently at the measurement company. Measurements show that everything is ok – in the tolerances – and we will get them back next week.

**BONDING JIGS**

# ALUMINUM PARTS



*MVTX first half skeleton.*

**HALF SKELETON!**

## ▶ **Status**

- ▶ all Al parts have been milled
- ▶ currently at the surface treatment company, ready for surface treatment

# CARBON FIBER PARTS



L0 parts have been manufactured following exactly the same process as for the test article. Parts are ready to be milled .

## L0 COMPLETE CARBON KIT



*L1 complete carbon kit.*

## L1 COMPLETE CARBON KIT



*L2 complete carbon kit.*

## L2 COMPLETE CARBON KIT

### ► **Status**

- manufacturing was straightforward, everything went well between layup and curing

# NEXT

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- ▶ **Next steps:**

- ▶ SB & CYSS parts will be manufactured next week
- ▶ all parts will be cutted and finished, ready for bonding, in 2 weeks
  
- ▶ waiting for the PP1 & PP2 final design to finish
  - ▶ these are 3D printed pieces; no significant delays
  - ▶ waiting for LANL/Bates to finish a last test: 3D print all 3 layers, and make a final fitting check