

MICE RF Module Update

Andrew Lambert

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Items

- Vacuum vessels
 - 1st shipment from Keller on 02/01/2016
- Actuator production
- RF coupler production
- Clean room preparation
- Assembly preparation

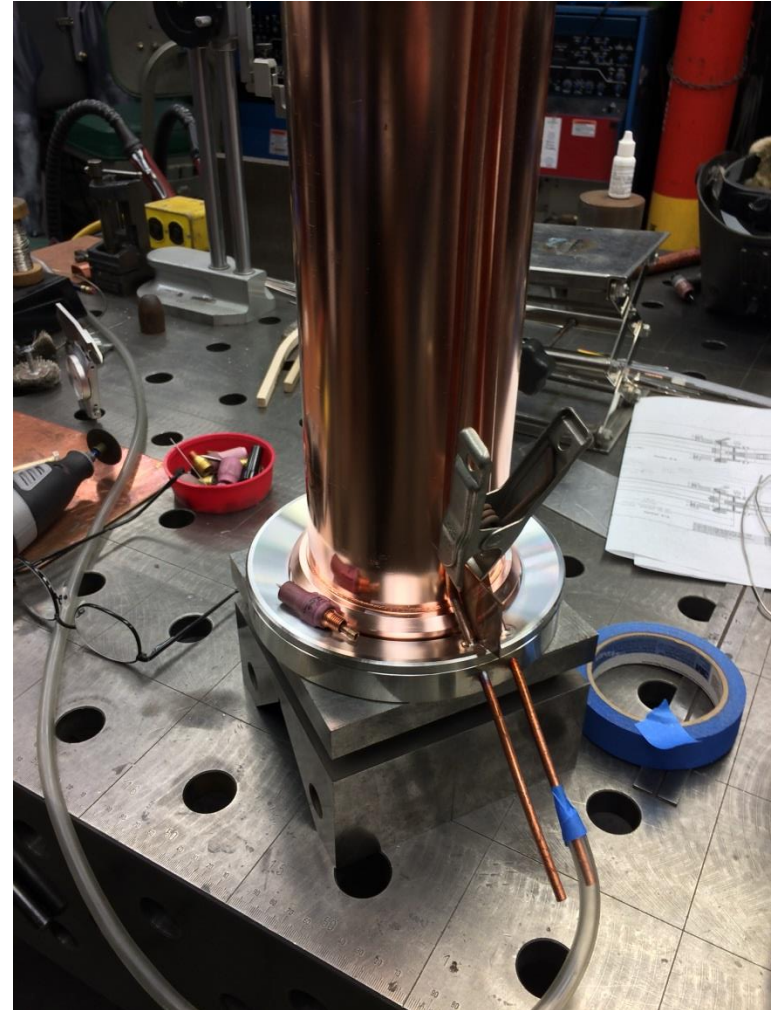
Actuators

- 14 actuators are completed
 - Vacuum tight
 - Leak tight
 - 12 required for operation
- 2 working spares
- 2 additional spares that need repair
 - Low priority
 - Will fix once other welding tasks are completed (couplers, water feedthrough lines)



RF Couplers

- All welds on the first two RF couplers are complete, one is vacuum tight, the other is in repair for minor vacuum leaks
 - Will begin assembly immediately after 2nd coupler is leak tight
 - Ship two fully assembled couplers (minus cooling line fixtures) to FNAL MTA – do these go to RAL as spares when MTA testing is finished?
- Continuing with the welding and assembly of the remaining 4 couplers
- What will be done with the current RF couplers at the MTA?



Clean room preparation

- New curtains
 - Ordered, waiting on arrival
- Linoleum flooring
 - Ordered, waiting on arrival
- Ceiling work
 - Additional ceiling filtration units in-hand
 - Will begin installation next week
- Changing tent
 - Bids out, will purchase and install

Assembly preparation work



- Waiting on equipment from FNAL
 - Items should arrive next week
- Cleanroom item procurement
 - Underway
- Measured the two MICE cavities for tuner arm machining
 - Tuner arms being machined to nominal dimension; shimmed into place during assembly
 - Fabricating shims
- Water feedthrough welds on cavity
 - Starting this process

Summary

- Actuators
 - Completed 12 + 2 spares
- RF couplers
 - 2 for FNAL MTA near complete
 - Next 4 for MICE underway
- Clean room prep
 - Underway
- Assembly prep
 - Tuner arm machining
 - Feedthrough welding
 - Staging