

650 MHz Multi-cell Processing

650 MHz Meeting

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Facilities to Prepare

- Incoming Inspection
- Vacuum Leak Check Area
- RF Inspection
- Optical Inspection
- SCSPF Cleanroom
- SCSPF EP/BCP Rooms
- IB4 Cleanroom
- MP9 800C oven
- MP9 120C oven
- VTS

Documentation to Prepare (none are complete)

- Cavity Handling Documentation
 - All facilities need revisions to documents
 - Should include 325 MHz handling as well
 - Review and approval signatures required
 - Each area of responsibility revises own documents
- Other Documentation
 - Processing procedures and travelers
 - Incoming inspection procedures and travelers
 - RF tuning procedure and traveler

Minimum Requirements by Facility

- New Transport Crates
 - Design/Drawings done, needs review with new 5-cell VTS assembly before procurement
- New 4-bar frames
 - Design done for current cavity, needs approval
- Incoming Inspection
 - Traveler and Handling documentation
 - V-blocks for CMM measurements - 2sets in QC
- RF Inspection
 - Traveler and Handling documentation
 - V-blocks for storage
 - Backtech cart lifting jaws?

Minimum Requirements by Facility

- Vacuum Leak checking
 - Traveler and Handling documentation
 - Leak checking hardware – 1 set in QC
 - V-blocks
- Optical Inspection
 - Traveler and Handling documentation
 - Inspection table modifications
- SCSPF Cleanroom
 - Traveler and Handling documentation
 - Tagged gantry lifting fixture (needs load test and approval)
 - CR cart (drawn, not procured yet for large frame), we can use existing cart for smaller frame
 - Backtech Cart Rotating Fixture (already adapted for 1-cell)
 - VTS Assembly Hardware (needs to be developed and ordered)

Minimum Requirements by Facility

- SCSPF EP/BCP Rooms
 - Traveler and Handling documentation
 - EP Tool modifications (last parts on order)
 - 4-bar frame (on order)
 - External cooling setup (on order)
 - BCP of multi-cell not going to be prepared until later
- IB4 Cleanrooms
 - Traveler and Handling documentation
 - Same tooling as SCSPF CR
 - Flange positioning fixture (SCSPF version on-hand)

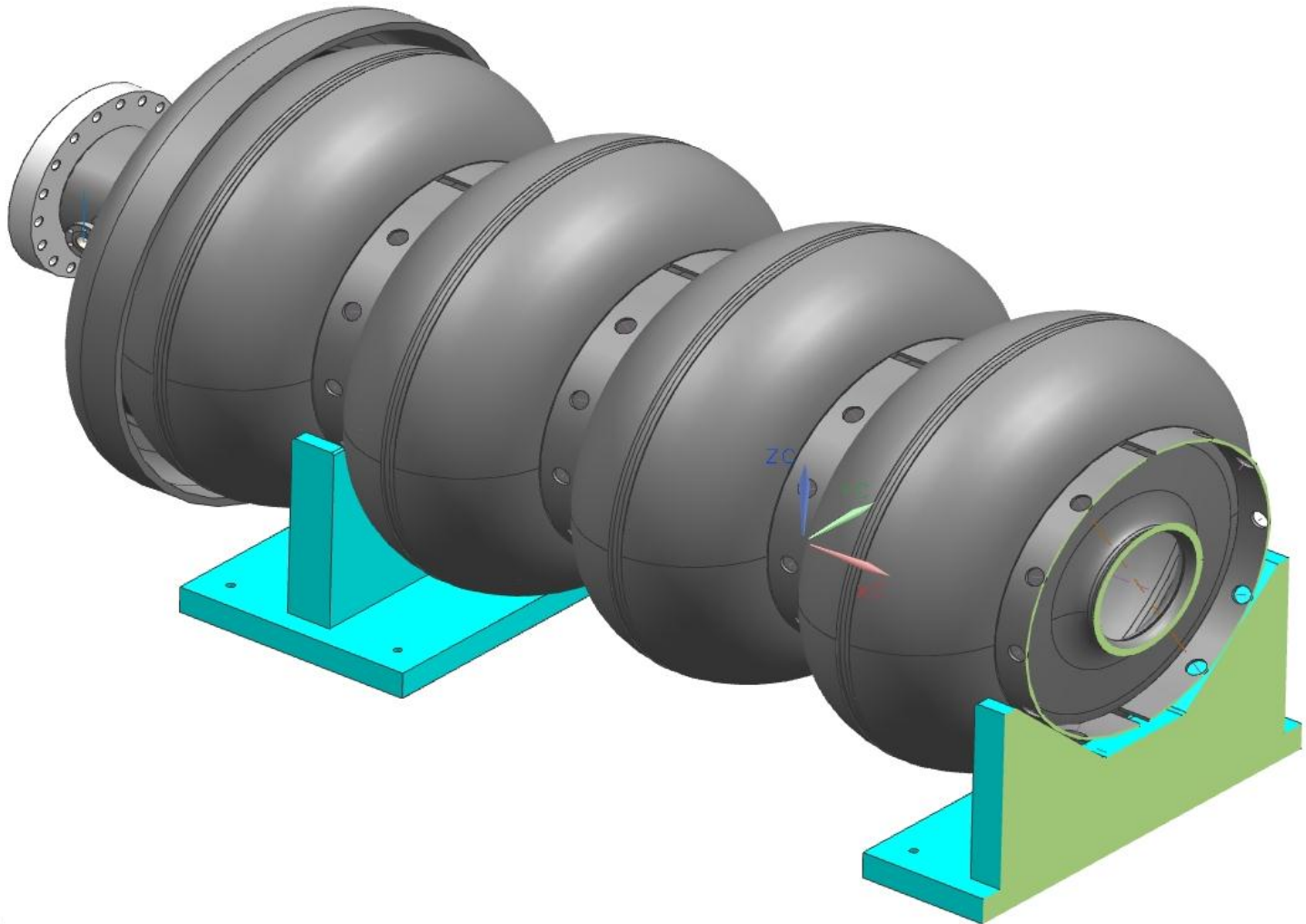
Minimum Requirements by Facility

- MP9 Oven
 - Traveler and Handling documentation
 - Nb Baking trays (Going to fabrication soon)
- 120C Oven
 - Traveler and Handling documentation
 - Cavity cart ready
- VTS
 - Traveler and Handling documentation
 - Cavity transport cart---may be one like 120C oven
 - VTS top plate mounting fixture (4-bar frame adapter)

Schedule

- Complete schedule not prepared. A tracking spreadsheet has been developed but the fields are not yet populated.
- The schedule drivers are:
 - Documentation preparation for all areas.
 - Fabrication of critical components (4-bar frames, in particular)
- Suggested Point of Contact on all Hardware:
 - Oleg Pronitchev
- Suggested Point of Contact on all Documentation:
 - Mayling Wong-Squires

483363 V-block support for 650 MHz 5 Cell cavity

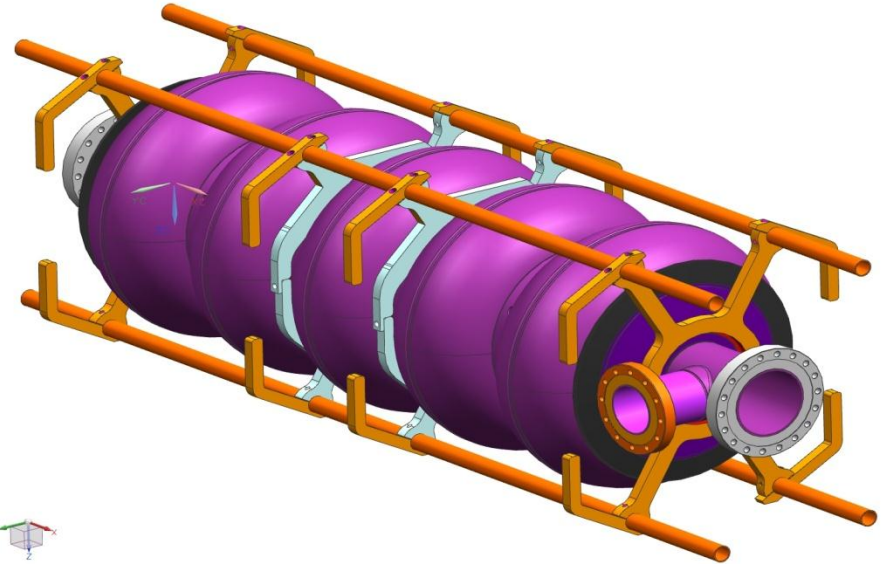
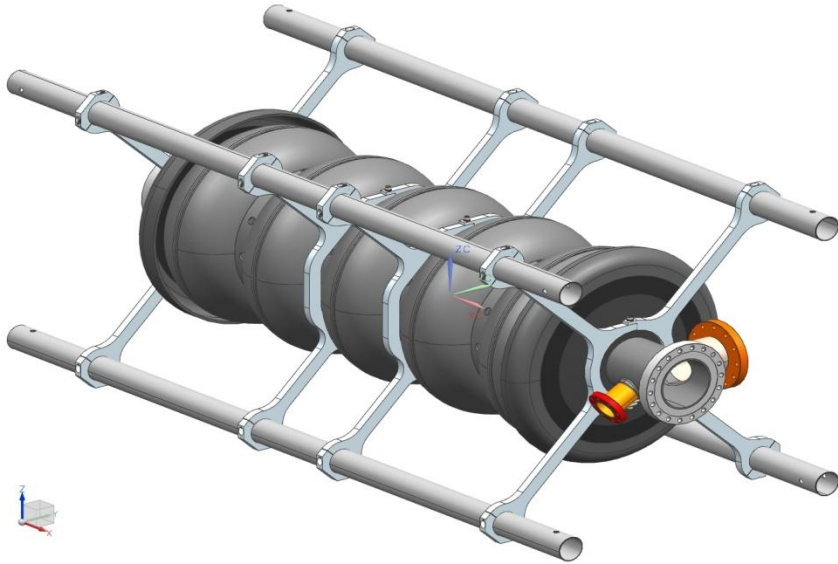


VTS setup for 650 MHz 5 Cell cavity

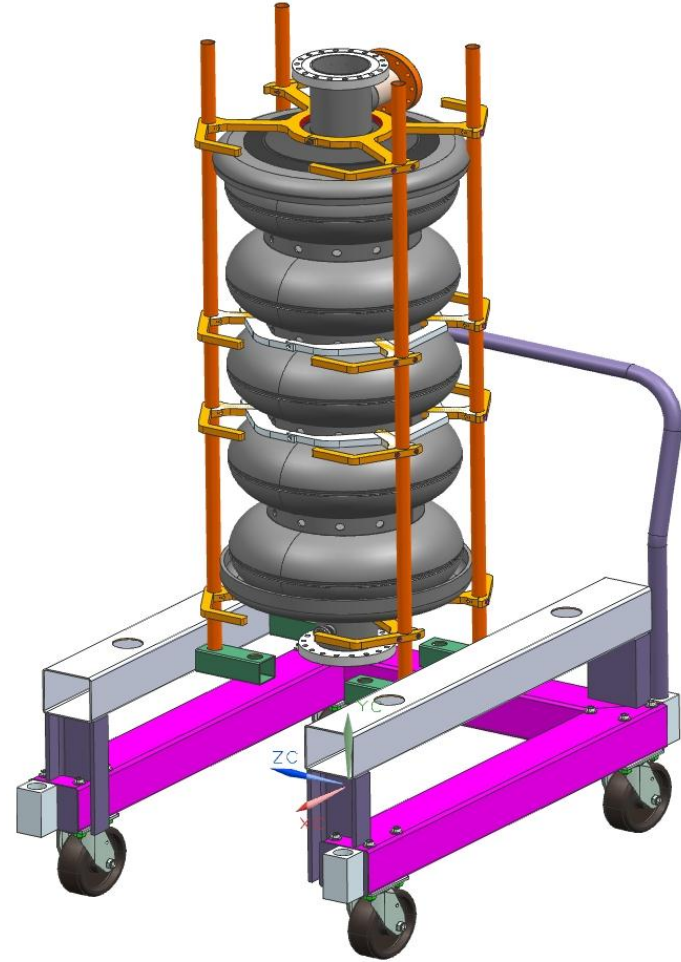
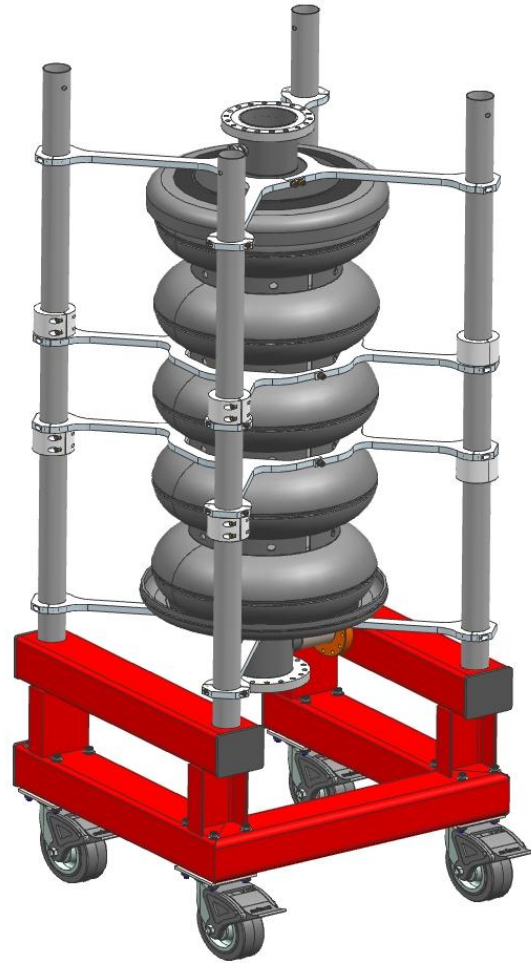
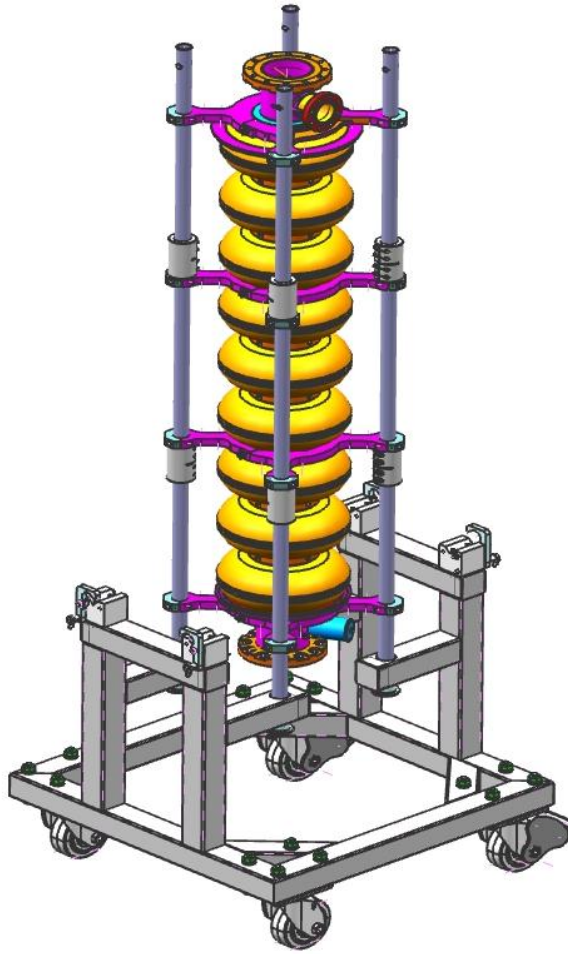


Do we need burst disc? Is it big enough?

4 bar large and smaller support frame for 650 MHz 5 Cell cavity



CAVITY FRAME MOBILITY CART



Cavity Lifting Fixture

