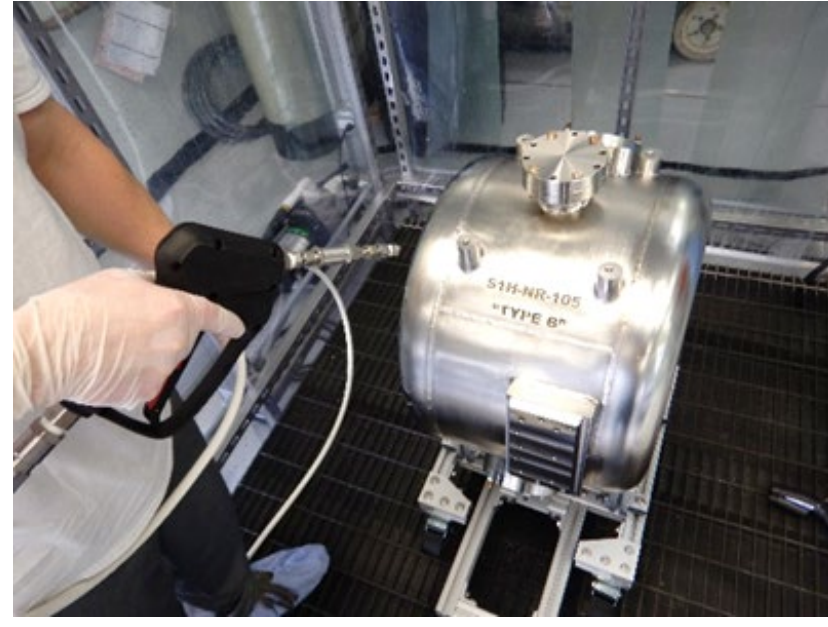


Single Spoke Resonators: String Assembly and Mechanical Design

FERMILAB-POSTER-20-023-TD

SSR1 Cavity String Assembly

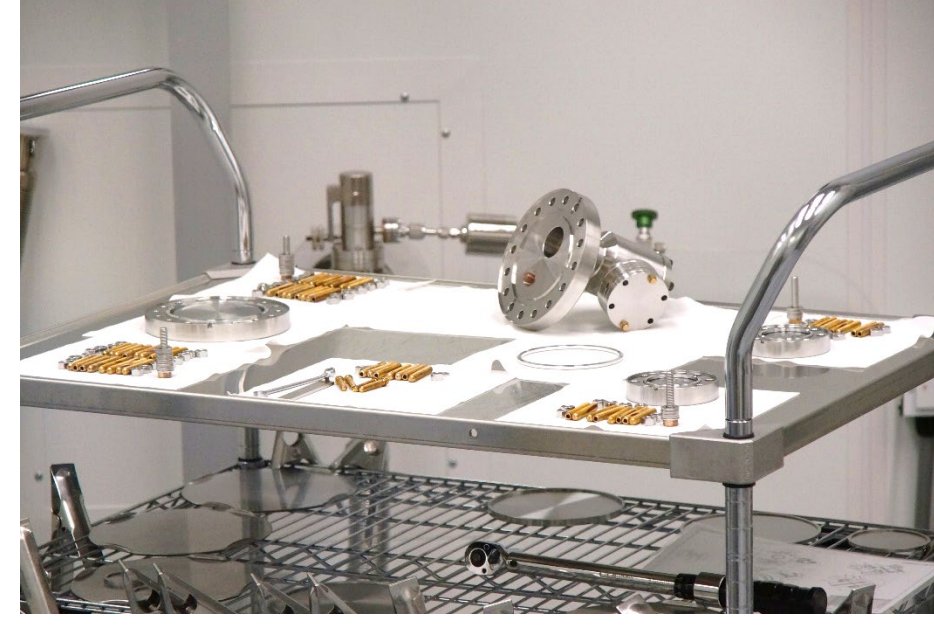
1. Handheld HPR



2. Ultrasonic Cleaning



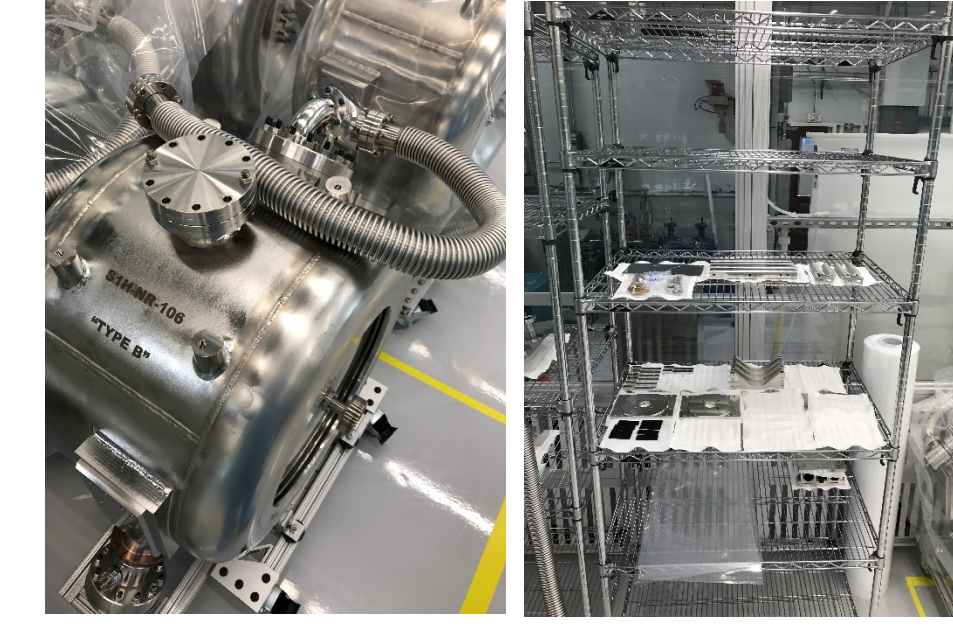
3. Preparation in Class 1000



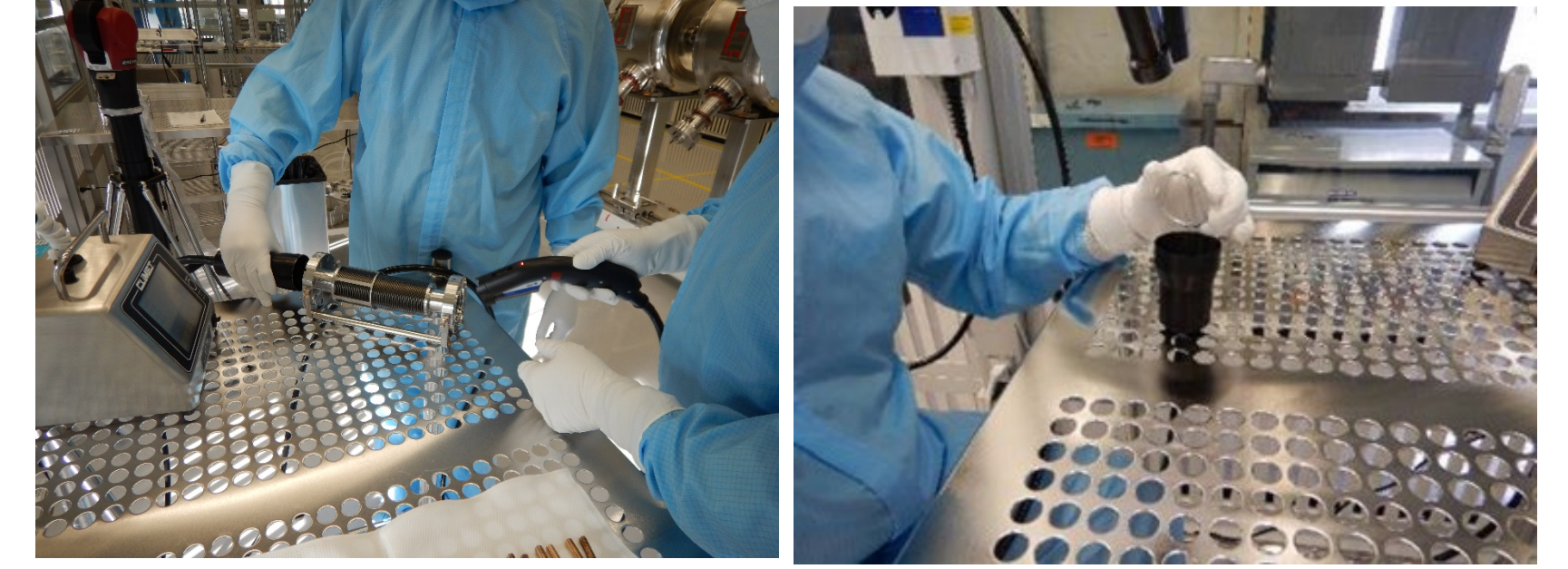
4. Inspection Drying area



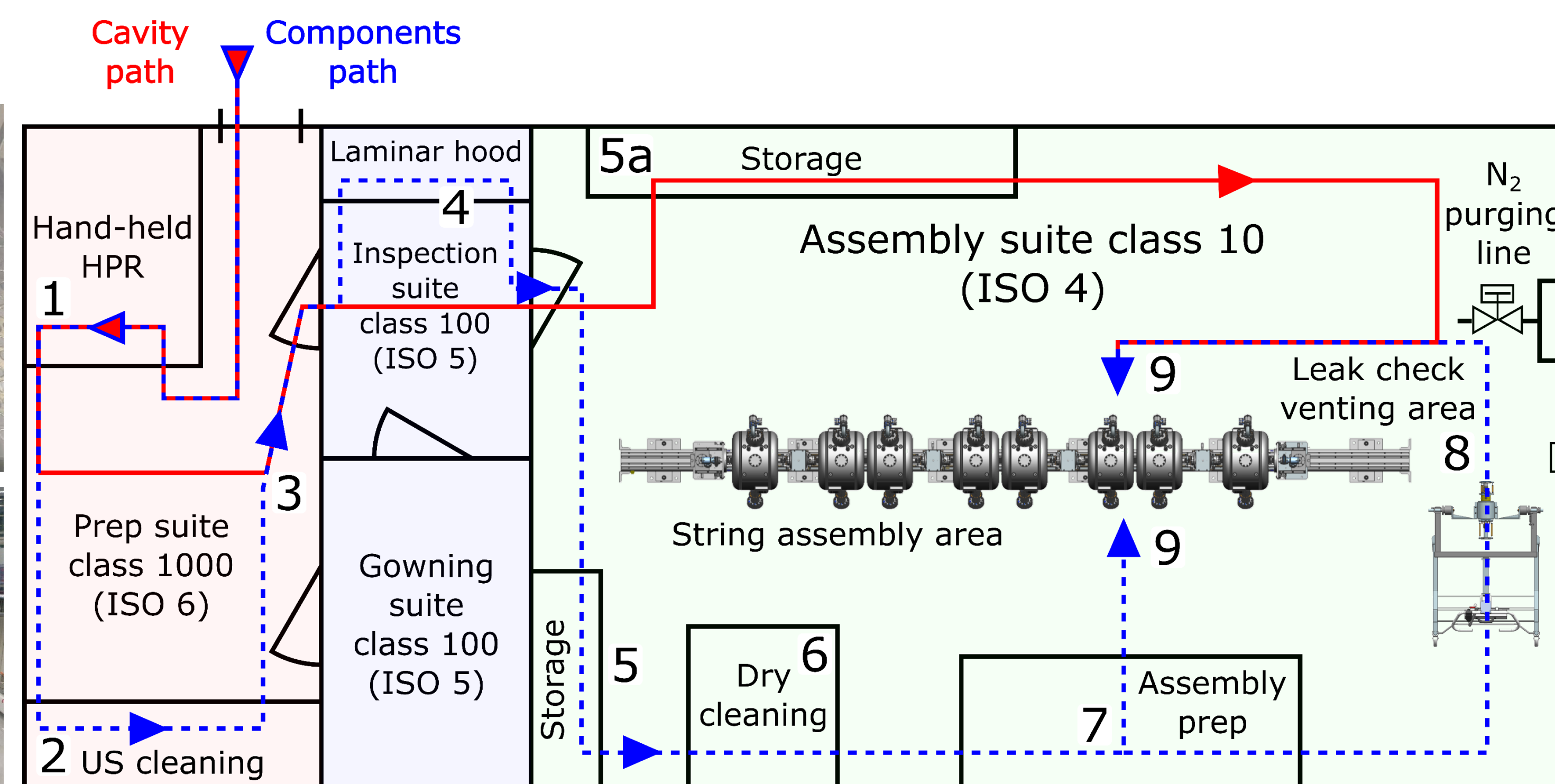
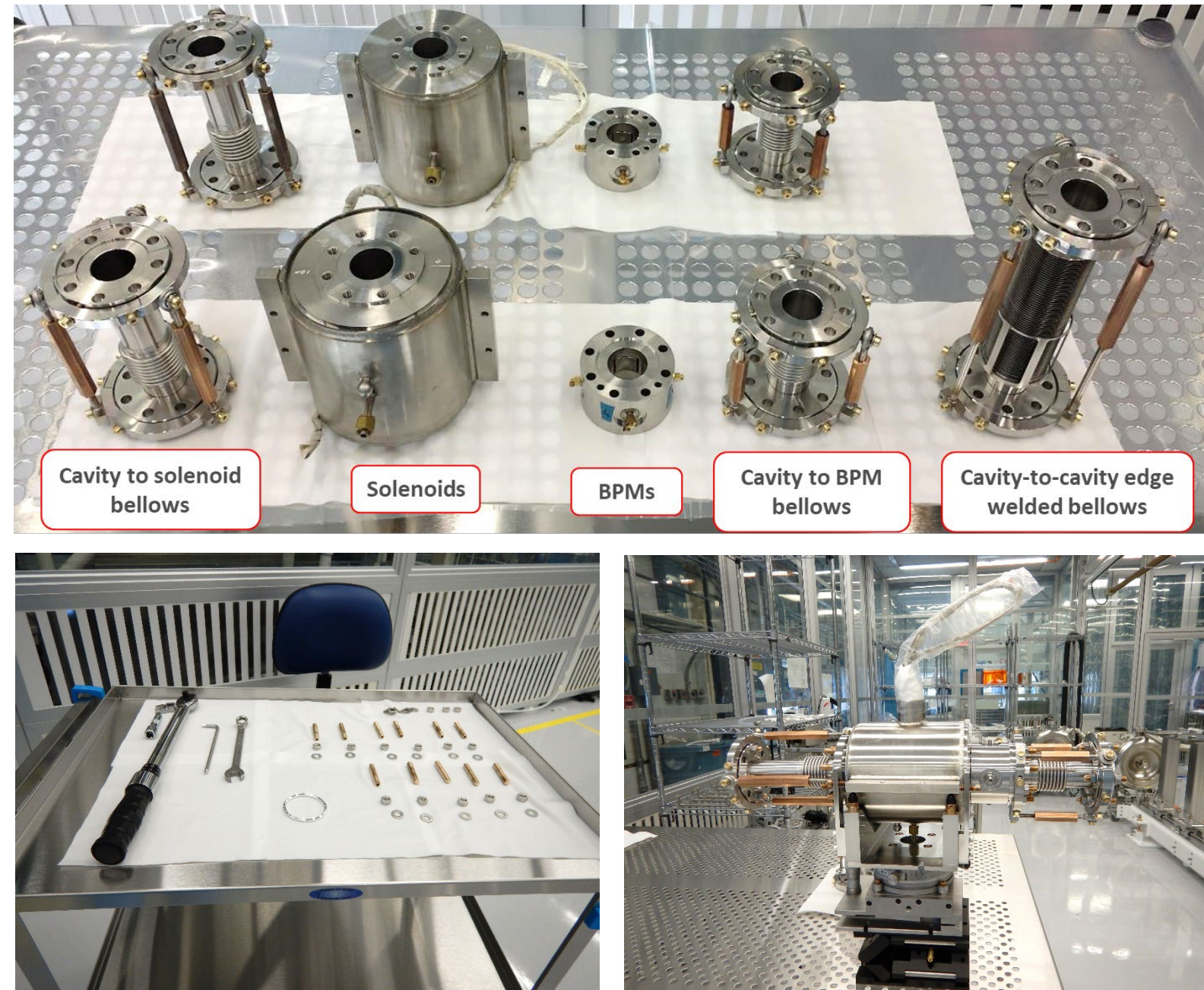
5/5A. Storage Areas



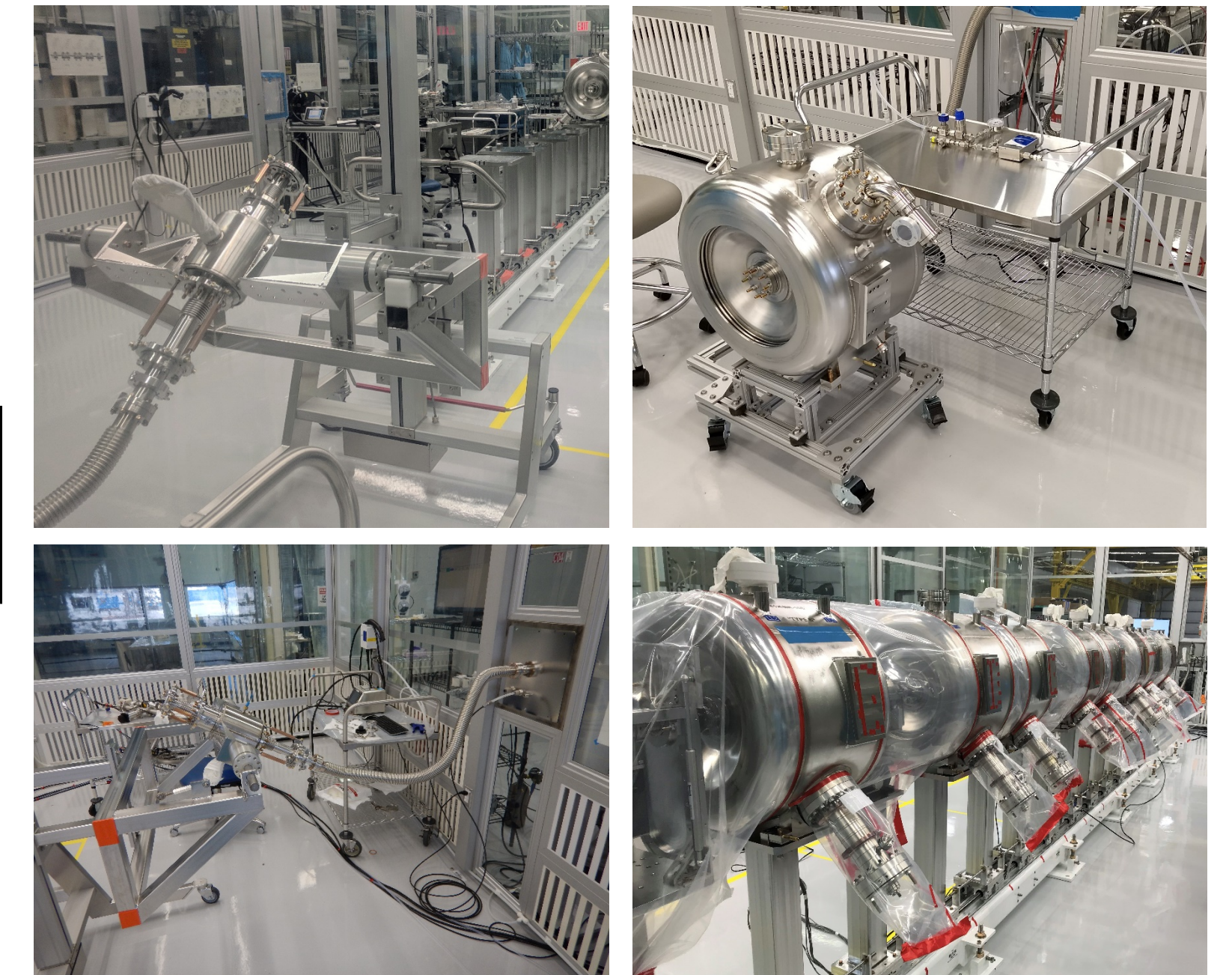
6. Dry Cleaning Area



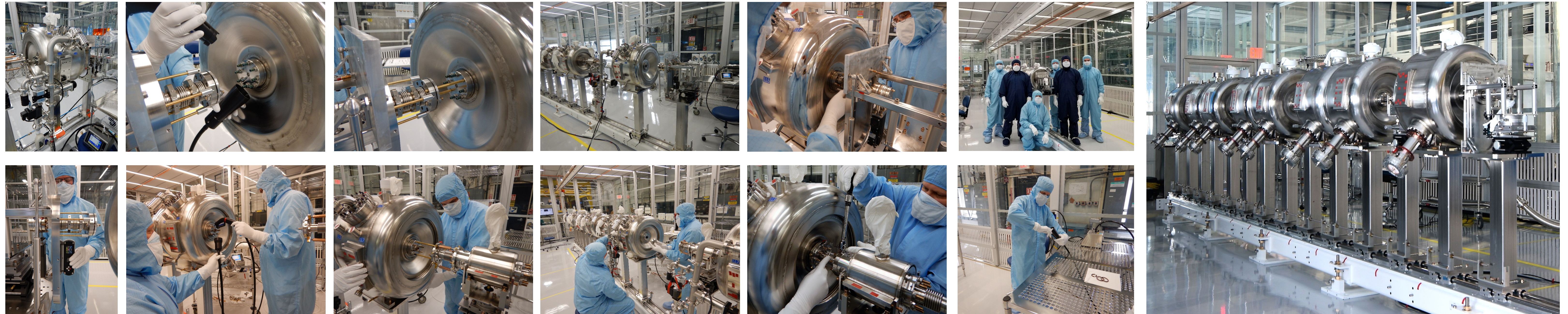
7. Assembly Prep Area



8. Leak check/Venting Area



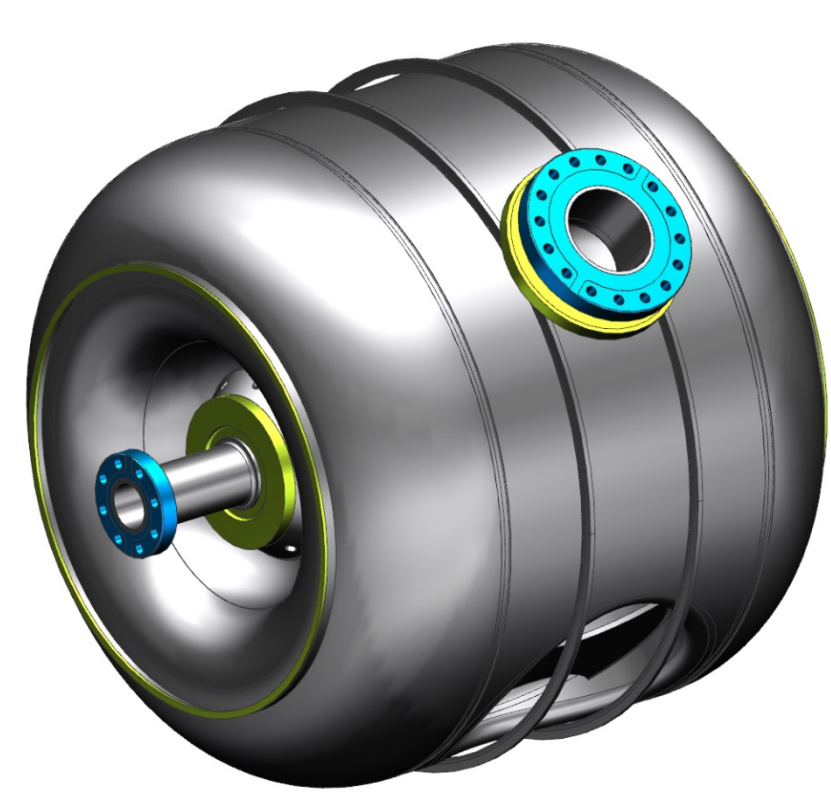
9. Final Assembly



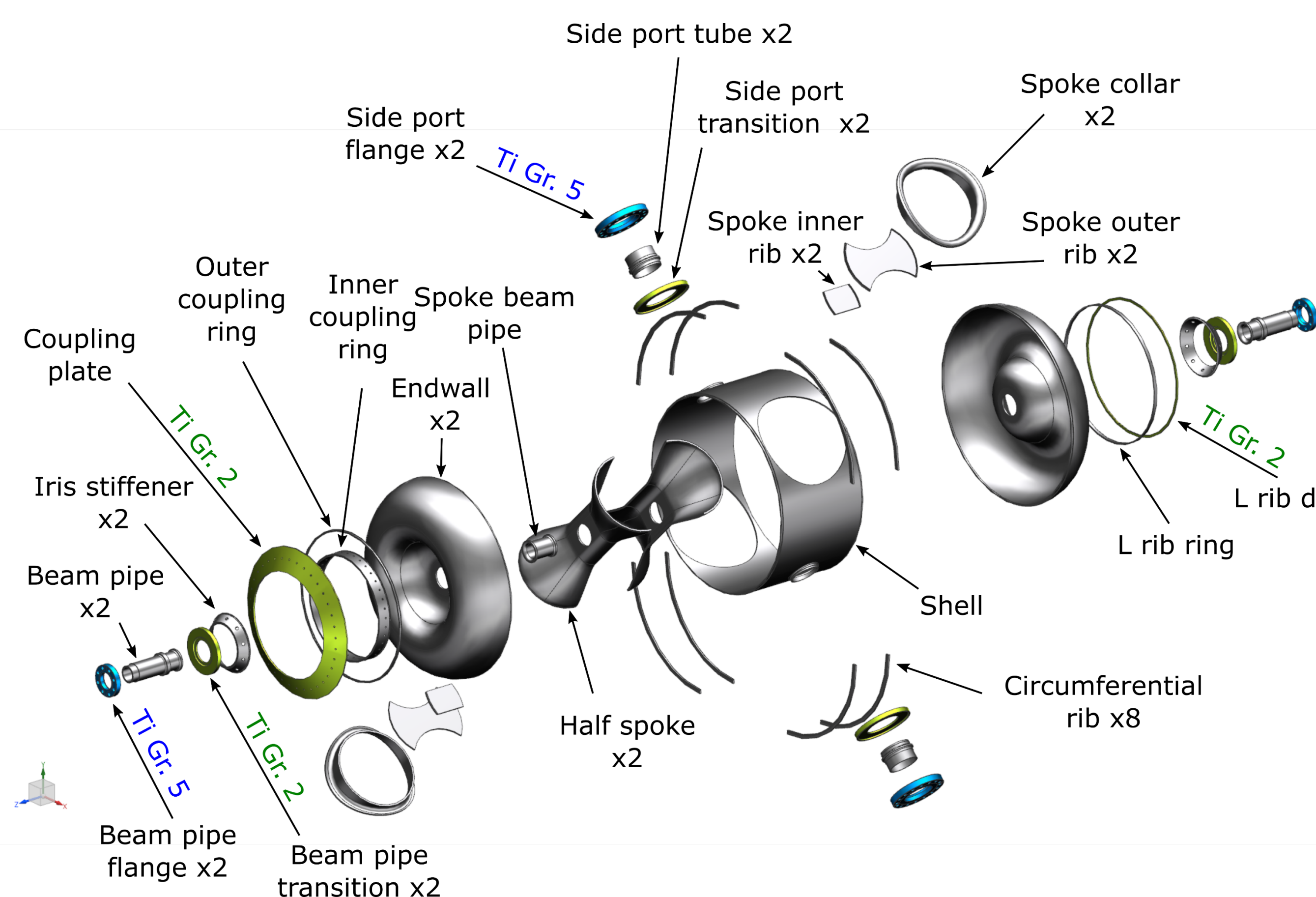
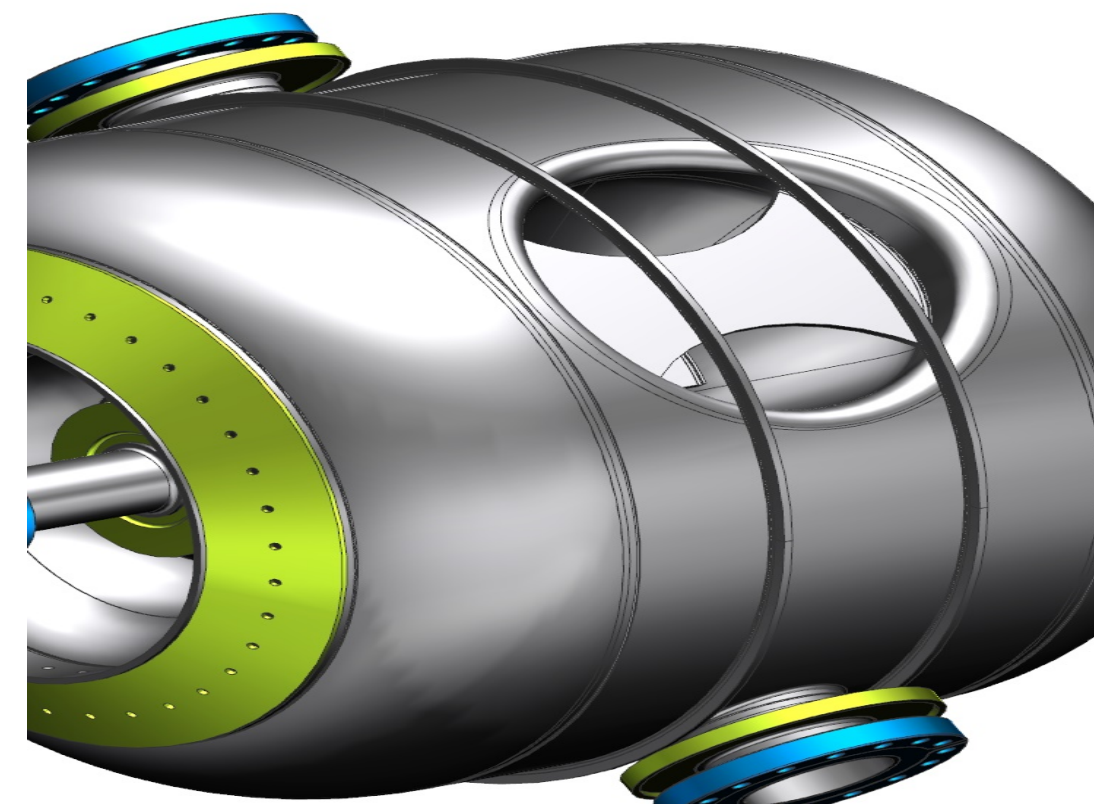
SSR2 Jacketed Cavity Mechanical Design

SSR2 Bare Cavity

Bellows Side

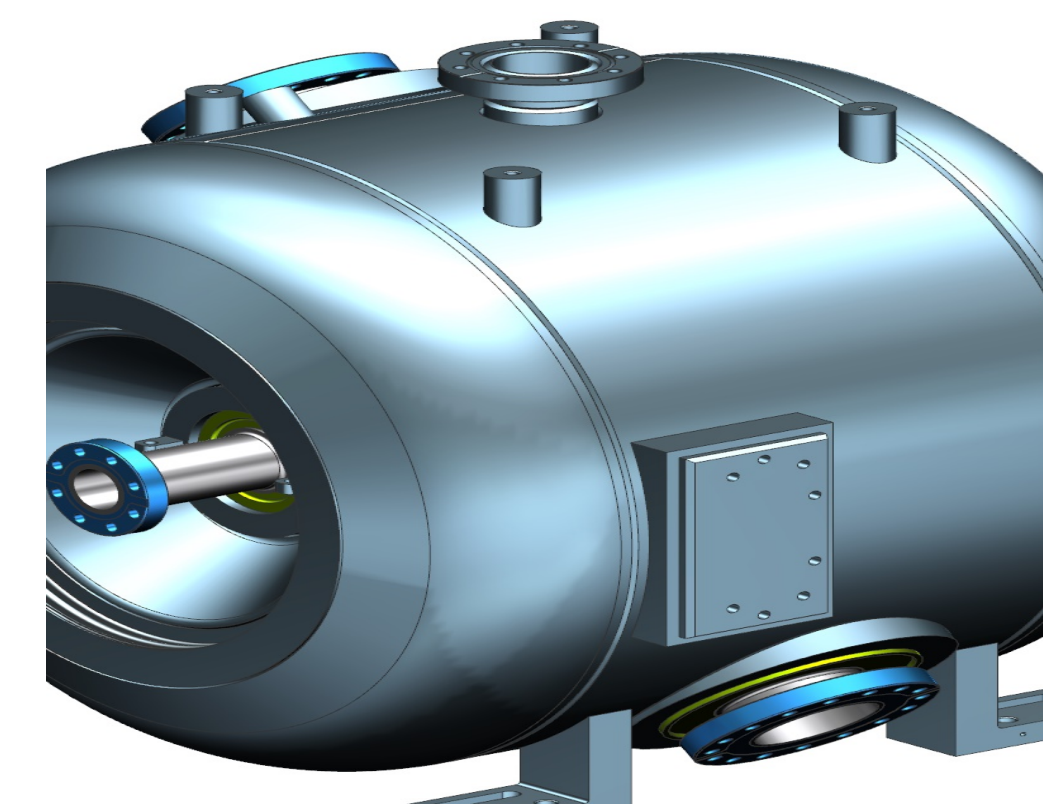


Ring Side

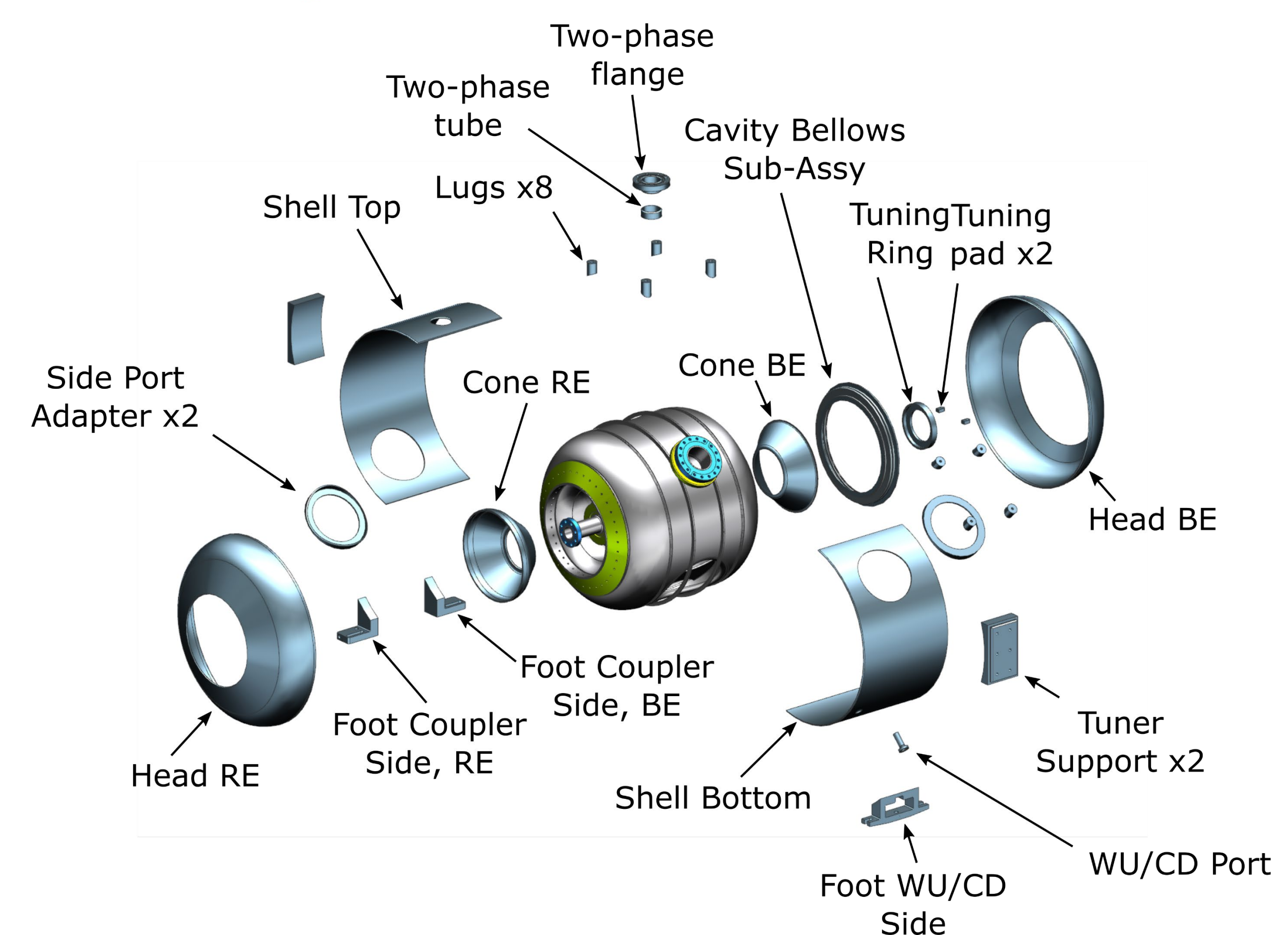
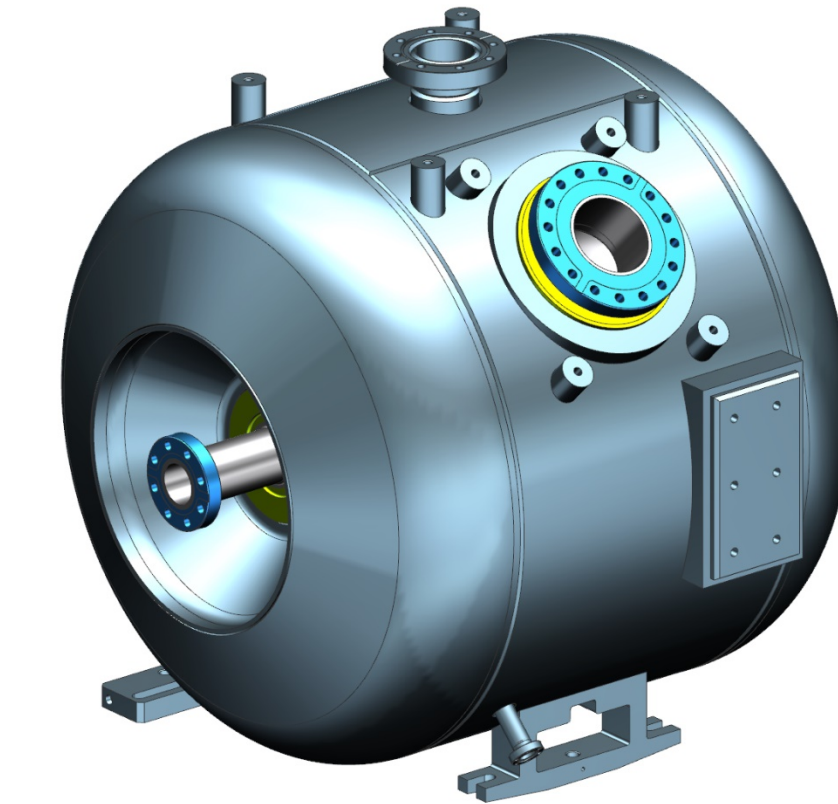


SSR2 Jacketed Cavity

Bellows Side



Ring Side



This manuscript has been authored by Fermi Research Alliance, LLC under Contract No. DE-AC02-07CH11359 with the U.S. Department of Energy, Office of Science, Office of High Energy Physics.