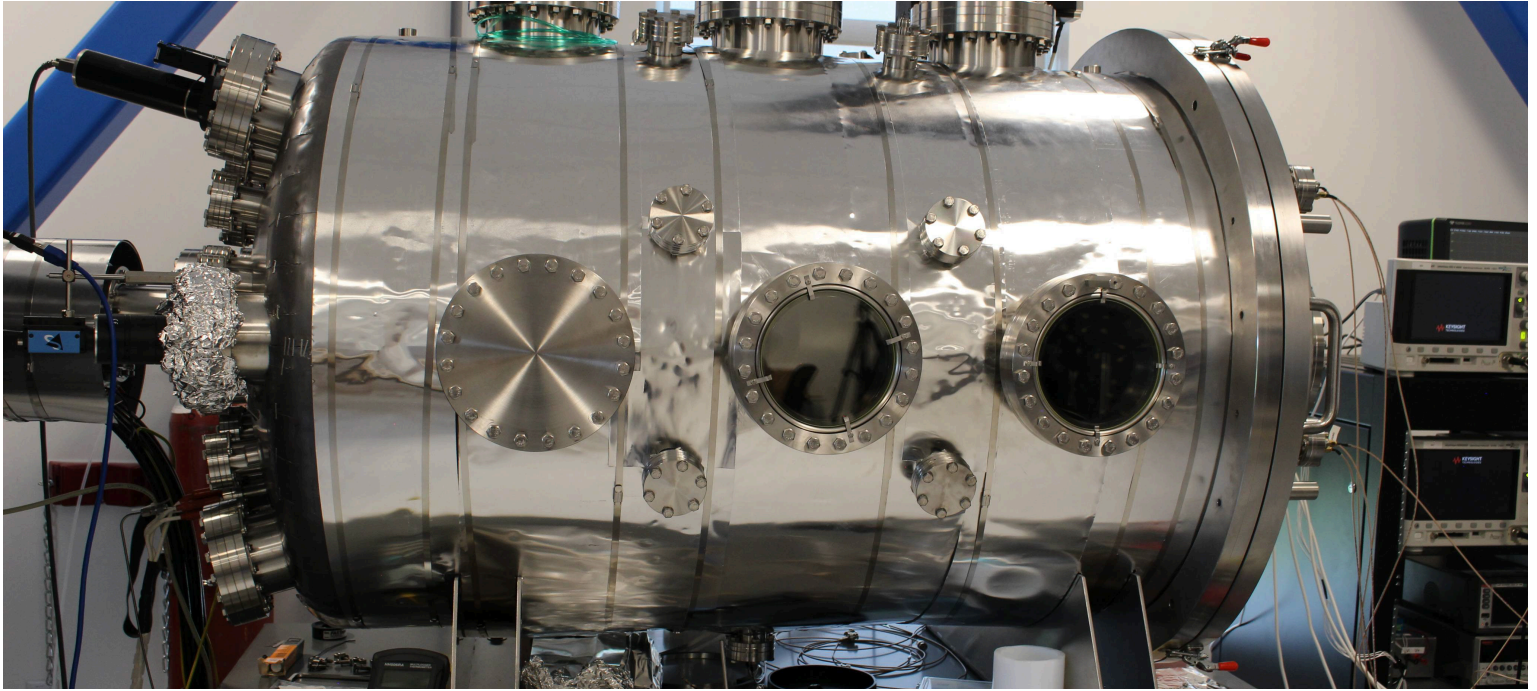




Electro Magnetic Applications, Inc.'s (EMA) Space Environment and Radiation Effects (SERE) commercial test chamber actively assesses spacecraft charging, electrostatic discharge (ESD), and radiation effects. The chamber identifies risks and optimizes construction or material selections to ensure mission success.

SERE

SERE conducts in-situ studies and offers fully customizable solutions with dynamic shuttering and control features. Users can select from various radiation sources including:

- Electron flood
- Low plasma generator
- VUV Krypton arc lamp

UV Aging

UV rays degrade materials in space, especially glasses and other optical components commonly found in solar arrays. EMA's UV aging chamber accelerates material aging, simulating five years of exposure within just days.