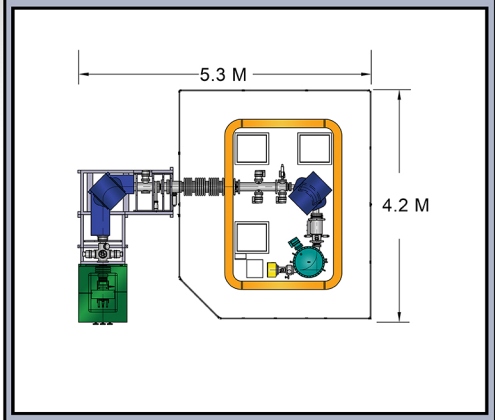
NEC Low Energy Compact AMS Systems

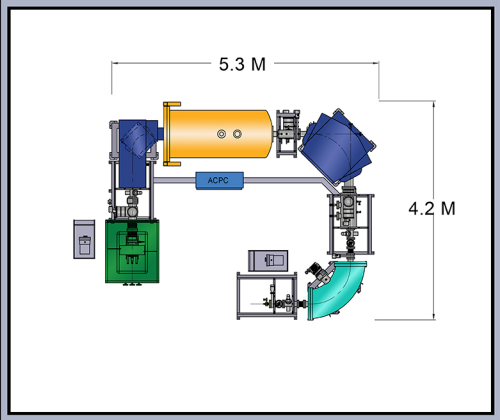
250kV - 1MV SINGLE STAGE AND TANDEM AMS SYSTEMS

SSAMS



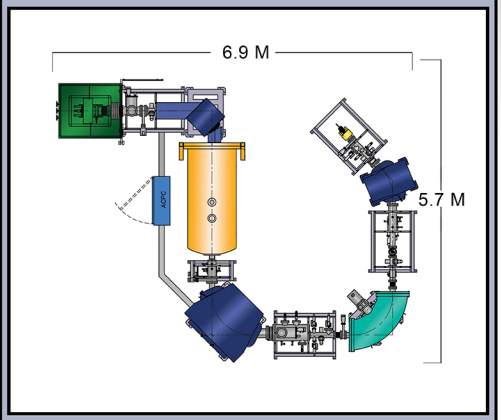
250kV Deck
Designed for carbon AMS
Based on an open-air deck design, eliminating need for an SF_6 pressure vessel

CAMS



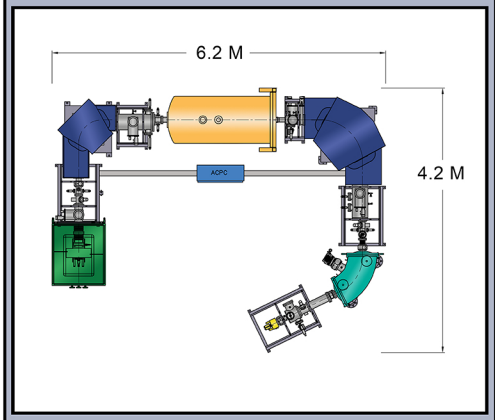
500kV Tandem Pelletron
Designed for carbon AMS
Improved background and higher throughput compared to SSAMS

XCAMS



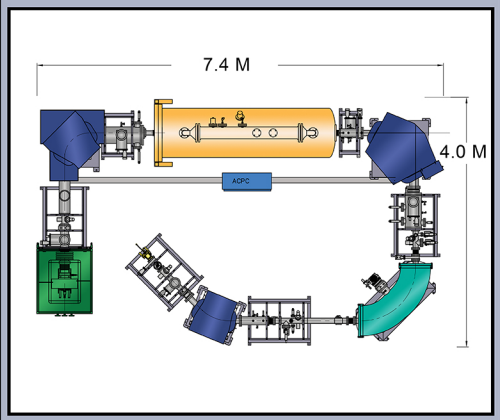
500kV Tandem Pelletron
Designed for carbon, beryllium, and aluminum AMS
Based on the CAMS design with bigger magnets and a final 45° magnet for improved beryllium background

ICAMS



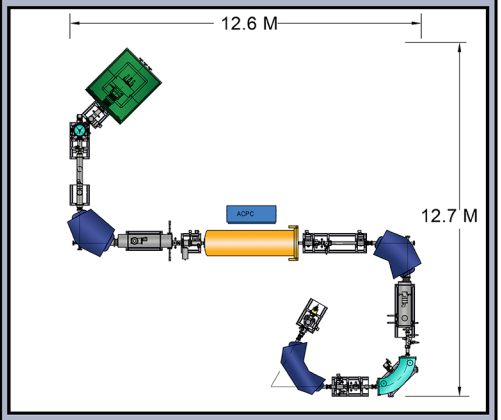
500kV Tandem Pelletron
Designed for iodine and carbon AMS
Larger magnets with high-energy magnet bouncing to accomodate ^{125}I, ^{127}I, ^{129}I isotope measurements

UAMS



1MV Tandem Pelletron
Designed for carbon, beryllium, aluminum & calcium AMS
Magnet size and optical elements designed specifically to add calcium isotope measurement capability

ACTINIDE AMS



1MV Tandem Pelletron
Designed to be the most versatile compact AMS system capable of, but not limited to, carbon, beryllium, aluminum, calcium, and the actinides
Two high-energy magnets with bouncing
Simultaneous measurement of up to 8 isotopes

National Electrostatics Corp.

Dual ion source configurations available for all models
All systems are custom designed to accomodate customer requirements