



Customer:

Colorado University
Laboratory for Atmospheric and Space Physics
1234 Innovation Dr.
Boulder, CO 80303



A high precision motion system was required to operate in the MOBI Vacuum Chamber at a High Vacuum level at the Laboratory for Atmospheric and Space Physics (LASP). The motion system components: a custom high precision linear slide used for vertical travel, a custom high precision linear slide used for horizontal travel, a high precision rotation stage that provides yaw motion, and a high precision tilt stage that provides pitch motion. Key specifications: vacuum 1×10^{-8} torr, vertical slide 362 mm, horizontal slide 368 mm, tilt $\pm 18^\circ$; rotation full 360° . ADC wrote the control software and operator interface to debug and test the MOBI system for factory acceptance.

