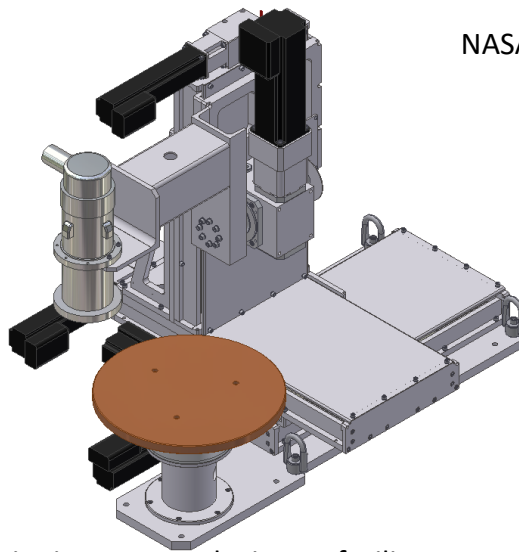


Five Axis Vacuum Compatible Positioning System



Customer:

NASA/ Langley Research Center
Hampton, VA 23681-2199



ADC developed a 5-axis positioning system device to facilitate research in electron beam free form fabrication in microgravity. This process will be used to create replacement components for isolated equipment from raw material in wire form. Possible applications range from military equipment, to the ISS, to manned exploration of space. This system will provide a high precision manipulation system with both position and velocity control of the electron gun and substrate. Other requirements for this system include operation in vacuum as well as capacity for dealing with large heat loads from the welding process.

ADC manufactures high quality motion control products and systems that are qualified for Semiconductor, Automation, and Aerospace industries. Our extensive product line includes; linear stages, lift stages (Jacks), rotation stages, goniometers, gantry systems, optical tables, vacuum compatible motion systems, and Nanotechnology positioners.

