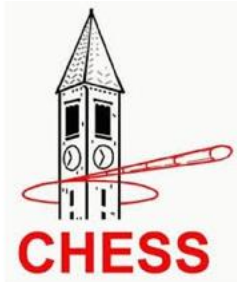
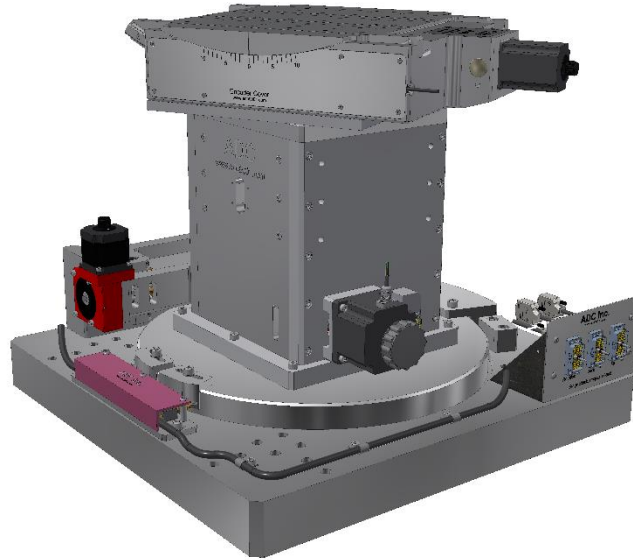


3-Axis Stage Stacks for CHESS



Customer:
Cornell University
Wilson Synchrotron Lab and Ring
161 Synchrotron Dr
Ithaca NY, 14853



A set of five (5) vertical lift stages (jacks), three (3) tilt stages (horizontal rotation axis), and three (3) rotation stages (vertical rotation axis) were delivered to the Cornell High Energy Synchrotron Source (CHESS) as three stacks containing one of each stage type, and two more lone jacks. This equipment was part of the CHESS-U upgrade effort, with the 3-axis stacks supporting and moving components to divert the x-ray beam and allow multiple experimental stations to be served by a single front end. The system was designed as an assembly of standard or semi-standard components and remains very modular. Each axis of motion was provided by an independent stage which could be separated and used elsewhere. All were driven by stepper motors, and no position feedback was required by the customer, though it could easily have been supplied.

