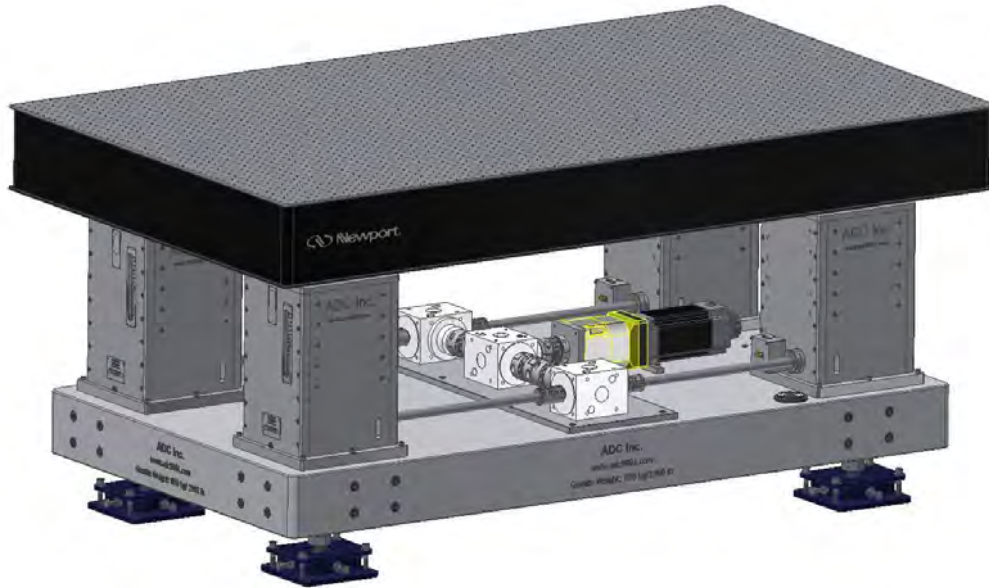


Brookhaven National Laboratory One Deg. Of Freedom Optical Table



Customer:
Brookhaven National Lab
Receiving: Bldg. 98 Rochester Street
Upton, NY 11973



This optical table is a one axis motion system designed to lift a 3,500 lbs load and move +/- 50 mm vertically for Brookhaven National Lab. The vertical motion consists of 4 ADC DJ600-50 jacks that are driven by one Nema 34 motor and a 20:1 gear reduction, which is then coupled to a Tandler spiral bevel gear box which allows the jacks move simultaneously. The simultaneous motion is preferred to avoid potential binding of the jacks which is common with driving each jack individually. An 8 in thick Newport bread board is mounted on top of the jacks and will provide a stable base for mounting equipment as necessary.

