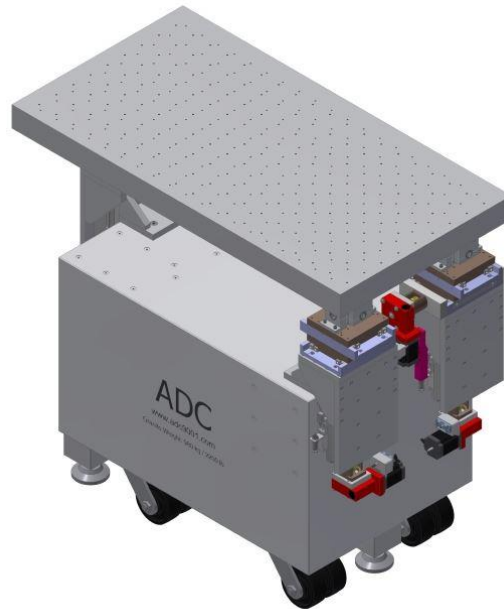


Brookhaven National Laboratory One Deg. Of Freedom Optical Table



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



ADC is offering standard optical table Model # OPT-500-C. This allows for five degrees of freedom for the system. The vertical stages use a Lin Engineering NEMA 23 triple stack stepper motor with a 60:1 right angle gearbox; a Renishaw encoder is used for precision vertical translation. The horizontal stages use the same motor with a 20:1 right angle gearbox. The system also has a base made of granite that weighs around 9.6kN [2200lb]. The base has four heavy duty casters and three adjustable feet for positioning and leveling. The table top is a standard Newport aluminum breadboard with a 1 inch hole pattern.

Key Specifications:

Motion	Product Description	Range of Motion	Resolution (unit/step)
Horizontal Translation	Linear Slide	+/- 25 mm	0.5 μ m
Vertical Translation	DJ450-50	+/- 25 mm	0.25 μ m

Description	Value	Units
Range of Motion	+/- 76mm [~3]	mm [“]
Weight	1400 [3000]	Kg [lbs]