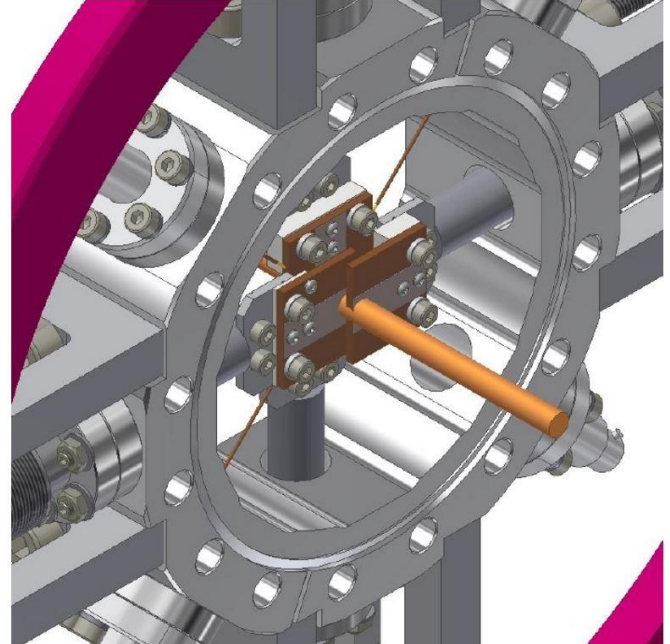




SLAC UHV Slits

<http://www.adc9001.com/products/view/881>

The high precision UHV slit system was designed for SLAC National Accelerator Laboratory. The total aperture is 25mm x 25mm. Each blade is actuated independently by the 4 actuators mounted to the slit body. This slit system is designed to be especially easy to service. There are no bearing rails, limit switches, encoders, or drive screws within the slit chamber. This eliminates the need for special lubricants and allows the actuators to be adjusted, aligned, and serviced with the system installed in the beamline. Each slit unit has 4 fiduciary marks provided. All UHV sections are vacuum tested to better than 5×10^{-10} torr and have a leak rate of less than 2×10^{-10} mbar l⁻¹ s⁻¹.



Customer:
 Stanford Linear Accelerator Center
 2575 Sand Hill Road M/S 01
 Menlo Park, CA 9402



Key Specifications:

Description	Value	Units
Maximum Aperture	25 [~1]	mm [“]
Blade Overlap	5 [~.2]	mm [“]
Blade Thickness	2 [~.08]	mm [“]
Resolution (unit/step)	~0.001588	mm/step
Weight	16 [35]	Kg [lbs]
Encoder Manuf.	Renishaw	-
Resolution	0.1	µm