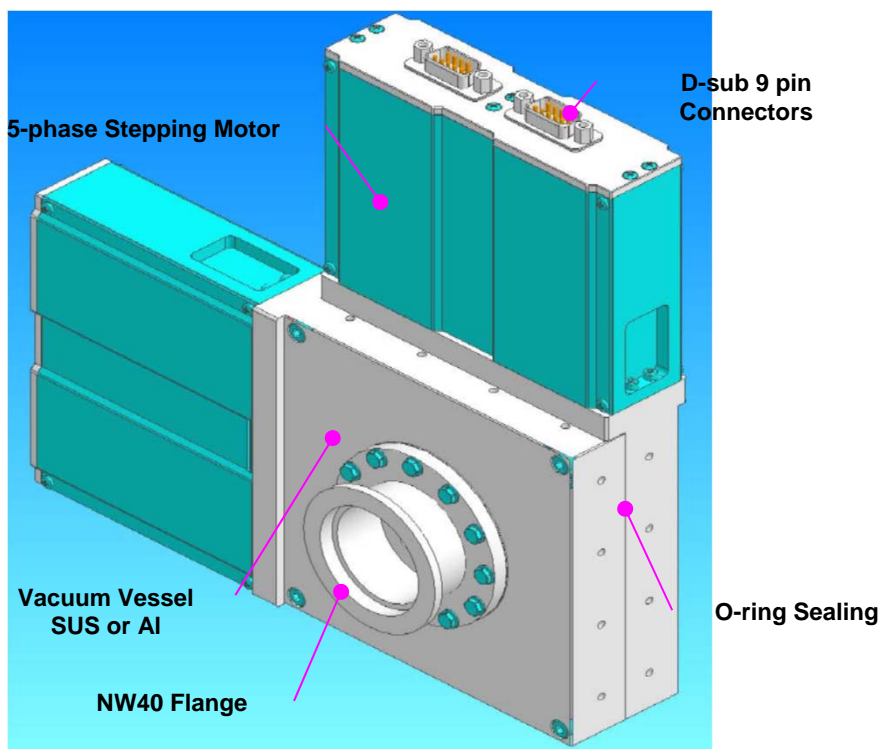


Low Vacuum 4-Blades Slit <GHM-20V4>

This small and thin compact slit can be used under Low vacuum environment.

Motion is transmitted to each blade with linking rod which passes through the chamber and supports the blade with O-ring seal.



Features

- ◆ Each blade is actuated independently
- ◆ The blade is made of Tantalum (t=3mm) and precisely polished (15 degree inclined shaped knife-edge)
- ◆ 4 Motors are outside of the chamber
- ◆ Chamber thickness Only 40mm
- ◆ Low Vacuum 1 x 10E-1 Pa
- ◆ O-ring seal is used for a linear feedthrough for the actuator.
- ◆ The Blade's parallelism and orthogonality are adjusted within 5 μm by a Kohzu's technician for each.
- ◆ Separate 2-blades slit is available

- ◆ Option 1:
Blade motion
Cross over or BISP
(Blades in same plane)
- ◆ Option 2:
Chamber material
SUS or Aluminium
- ◆ Option 3:
2-phase stepper motors

Specifications

Model	GHM-20V4
Max. (Min.) Aperture	20 x 20 mm (50 x 50 μm, BISP type)
Actuator	5-Phase Stepping Motor
Maximum Motor Speed	3000 pps / Half step
Resolution (Half Step)	0.25 μm
Blade (Thickness)	Tantalum (t=3mm)
Blade Parallelism	5μm / Full stroke Both Blade
Vacuum	1 x 10E-1 Pa
Dimension	213 x 94 x 213 (W x L x H : mm)