

## Technical Specifications

AT-F7-HV	
Aperture size	Maximum: 7 mm x 7 mm
	Minimum: Full overlap
Resolution	Aperture: 0.813 micron per full step
	Translation: 0.322 micron per full step
Repeatability	< 1 micron
Accuracy	± 3 micron (over 3 mm)
Vacuum	O-ring sealed, high vacuum 10-5 mbar, low outgassing materials
Mechanical dimension	145 mm x 145 mm x 80 mm
Standard blades	2 mm thick tungsten carbide with knife-edge profile (2 degrees slope)
Mechanical connections	M6-threaded holes on the sides as shown on the drawing. KF-40 flange connections are provided on the body of both sides of the slit
Limit switches (end-of-travel)	Included as standard on all motions
Weight	≈ 1.6 kg
Outer surface	Anodized aluminum in color nature
Guiding	High precision internal rails and carriages
Electrical connections	Microswitches coupled to 2 motor connectors (SUB-D 15 pins male)
Motors	2 phase stepping motors