

Technical Specifications

AT-F7-AIR	
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	Possible down to 10 ⁻⁵ mbar for use inside a larger vacuum chamber
Mechanical dimension	113 mm x 113 mm x 45 mm
Standard blades	2 mm thick tungsten carbide with knife-edge profile (2 degrees slope)
Mechanical connections	4 M4-threaded holes on each front of the houses and 2 M4-threaded holes on each bottom side as shown on the drawing.
Limit switches (end-of-travel)	Included as standard on all motions
Weight	≈ 0.6 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