

Technical Specifications

IB-C30-HV	
Aperture size	Maximum: 30 mm x 30 mm Minimum: Full overlap
Resolution	1 micron per full step
Repeatability	< 1 micron
Accuracy	± 2 micron (over 3 mm)
Vacuum	O-ring sealed, high vacuum 10^{-5} mbar, low outgassing materials
Mechanical dimension	193 mm x 193 mm x 68 mm 120 mm x 120 mm x 64 mm (housing only)
Standard blades	2 mm thick tungsten carbide blades, can be mounted either with 0.5 degree knife-edge or R16 radius edge
Mechanical connections	M5-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	≈ 4.0 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