

## Technical Specifications

MP10-HV	
Aperture size	To be defined by customer
Resolution	1 micron per full step
Accuracy	± 2 micron (over 3 mm)
Vacuum	O-ring sealed, high vacuum $10^{-5}$ mbar, low outgassing materials
Mechanical dimension	246 mm x 190 mm x 66 mm 180 mm x 124 mm x 62 mm (housing only)
Pinholes	Defined by customer
Motors	2 phase stepping motors
Mechanical connections	M6-threaded holes on the bottom as shown on the drawing. KF-40 flange connections are provided on the body of both sides of the system
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 motor connector (SUB-D 15 pins male)
Common options	Motors: Custom high resolution stepping motors, including IMS motors Encoders: Back-axle rotary encoders Connectors: Adaptors to other KF (NW) flanges or CF flanges can be provided