

SMS-20-0 - Rectangular Aperture

Two individually movable blades with their edges aligned parallel to each other allowing to set the slits width in the horizontal direction between 0 and 20 mm while allowing to define the slits position within the 20 mm by 20 mm window of the enclosure. Position sensors allow for closed-loop positioning of each blade to precisely define the size and the position of the aperture within the 20 by 20 mm window of the enclosure. Specialized versions are available for the use in high and ultra-high vacuum environments. Customized versions are also available. To discuss your specific requirements, please feel free to contact us at any time. The SMS-20-0 consist of a motorized single slit. The internal design allows a precise positioning of the slit edges and of the slit opening within a 20 mm working range.

	Mechanical
Dimensions [mm]	75 x 75 x 20
	Open-loop
Velocity [mm/s]	>20
Open-Loop Resolution [nm]	< 1
	Closed-Loop
Sensor Resolution MCS2 [nm]	1 (S) 4 (L)
Uni-Directional Repeatability MCS2 [nm]	± 40 (S,L)
Sensor Resolution (H)CU [nm]	100 (L)
Uni-Directional Repeatability (H)CU [nm]	± 300 (L)
	Options
Material Options	Steel base (-ST); Titanium base (-TI); Black anodized (-BK)
Vacuum Options	HV (1E-6 mbar); UHV (1E-11 mbar)
Non-Magnetic Option	Yes (-NM)

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