

SOM-MS-505020

The SOM-MS-505020 is the smallest one of SmarAct's microscope stages that offer vertical travel direction. The X and Y-axis travel ranges are 31 mm and 12 mm on the Z-axis. The stage's dimensions are 113 mm in length, 113 mm in width and 35 mm in height. Since the SOM-MS-505020 is based on SmarAct's SLC series linear stages, it offers highest closed-loop repeatability and nanometer resolution. The specimen holder is designed for easy specimen changing and can accommodate slides 76 mm long and between 25 and 26 mm wide.

The base plate of the microscope stage is breadboard compatible. Cover plates as well as the stages themselves are highly customizable.

Travel X: 31 mm Travel Y: 31 mm Travel Z: 12 mm Dimensions: 113 x 113 x 35 mm

	Mechanical
Travel [mm]	31 (X); 31 (Y); 12 (Z)
Max. Lift Force [N]	2
Dimensions [mm]	113 x 113 x 35
Weight [g]	388
	Open-loop
Open-Loop Resolution [nm]	< 1
	Closed-Loop
Velocity [mm/s]	> 8
Sensor Resolution MCS2 [nm]	1 (S) 4 (L)
Uni-Directional Repeatability MCS2 [nm]	±50 (S), ± 100 (L)
Sensor Resolution (H)CU [nm]	100 (L)
Uni-Directional Repeatability (H)CU [nm]	±1000 (L)
	Options
Material Options	Aluminum base as standard; Black anodized (-BK)
Vacuum Options	Upon request
Non-Magnetic Option	Upon request

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