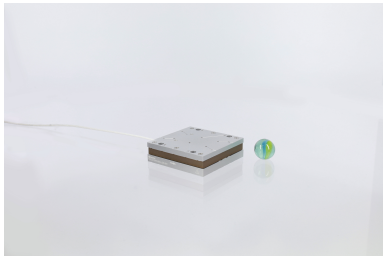

PLF5252-x.200

SMARFLEX nanopositioning scanner stages uses the advantages of piezo-driven mechanical flexures to realize highly precise positioning tasks up to several 100 µm.

The PLF5252-x.200 offers a scan range of over 200 µm in the X direction. At 90 g, it is very light and also quite compact at 52 x 52 x 15 mm.
Scan Range: > 200 µm Scan Direction: X Dimensions: 52 x 52 x 15 mm

	Mechanical
Stiffness [N/µm]	0,1
Scan Range [µm]	> 200
Max. Normal Force [N]	5.0
Dimensions [mm]	52 x 52 x 15
Weight [g]	90
	Material
Base Material	Titanium(-TI) / Aluminum base (-Al)
	Open-loop
Open-Loop Resolution MCS2 [nm]	MCS2: <1
	Closed-Loop
Sensor Resolution MCS2 [nm]	MCS2: 1 (S)
	Options
Vacuum Options	HV (10 ^{6}mbar)
Non-Magnetic Option	Yes (- NM)

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