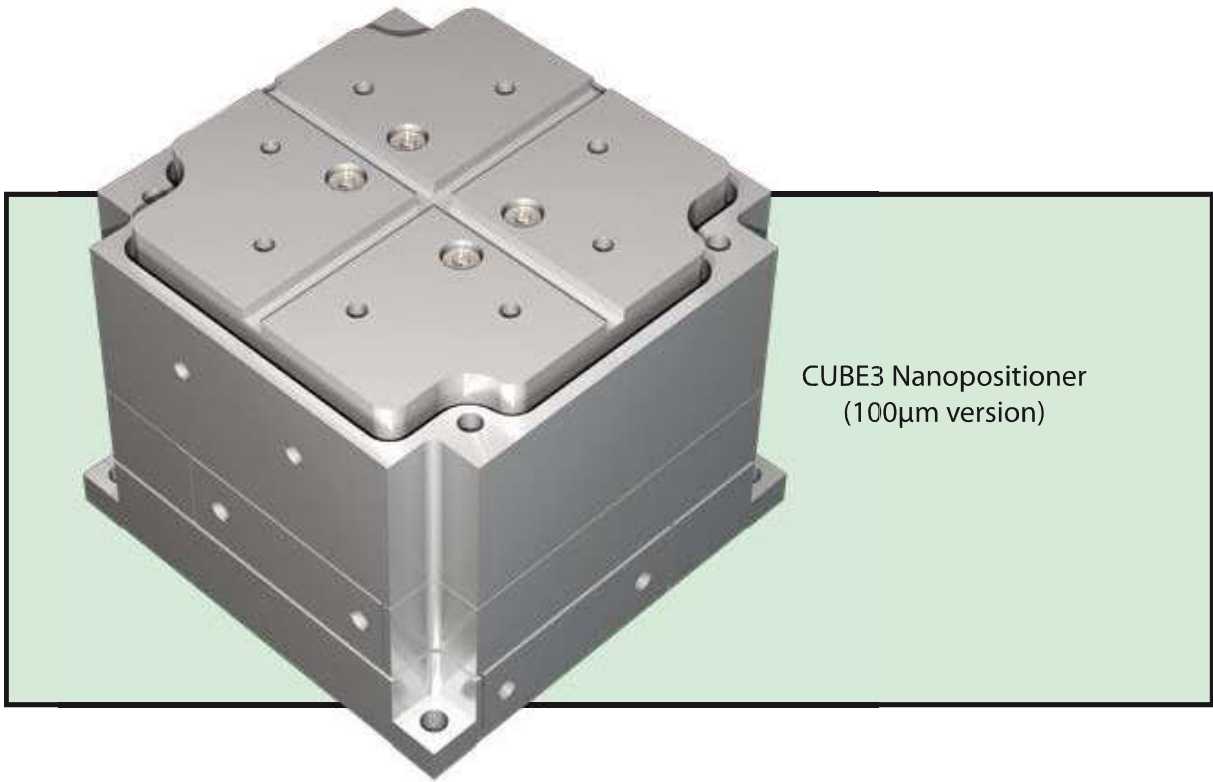


CUBE3 NANOPositionER

The CUBE3 is a 3-axis nanopositioner, offering either 100 or 200 μ m motion along X, Y and Z. Its compact design makes it the ideal tool for applications such as : optical fiber alignment, 2 photons polymerisation and laser writing.



Features

- 100 μ m or 200 μ m XYZ motion
- Compact design
- Closed loop control
- Silicon sensor technology
- Less than 30pm noise floor

Applications

- Alignment
- Laser writing
- 2 photons polymerisation
- Confocal microscopy
- 3D printer

Specifications

	CUBE3.100	CUBE3.200
Range of motion XYZ (μm)	100	200
Resolution XYZ (nm)	0,1	0,2
Typical noise floor XYZ (nm)	0,01	0,02
Full range repeatability XYZ (nm)	0,2	0,4
Linearization (typical)	0,02%	0,02%
Resonant frequency X/Y/Z (Hz)	200/200/500	200/200/500
Stiffness X/Y/Z (N/ μm)	0,3/0,3/0,6	0,3/0,3/0,6
Maximum load (kg) - horizontal use	0,5	0,5
Maximum load (kg) - vertical use	0,1	0,1
Sensor	Silicon HR sensor	Silicon HR sensor
Size W x L x H (mm)	63,5 x 63,5 x 52,45	63,5 x 63,5 x 52,45
Material	Al	Al
Cable length (m)	2	2
Recommended Controller	Standard	Standard

Drawing

