
What you see on the background is an image of one of the lithography masks used for the fabrication of the device. The image at the top is a 3D drawing of the micro-actuator. The "two-end" arrow at the tip is to emphasize the fact that bi-directional mechanical states can be programmed. The plot just below is a graphical representation of the mechanical states (deflection) that can be programmed with the electrical pulses (voltage). The two horizontal rectangles in the deflection graph represent the windows for programming an "on-state" and an "off-state". Finally, the monoclinic and tetragonal lattice diagrams emphasize that the phenomena that allows for the mechanical states to be programmed is the crystallographic changes in the VO₂ thin film that occur across the phase transition. The arrows in this image are meant to emphasize that the process is completely reversible (which also allows to program bi-directional mechanical states).