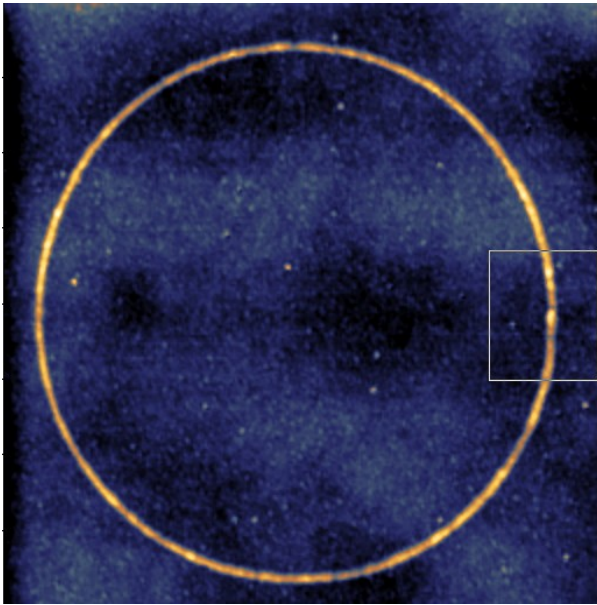
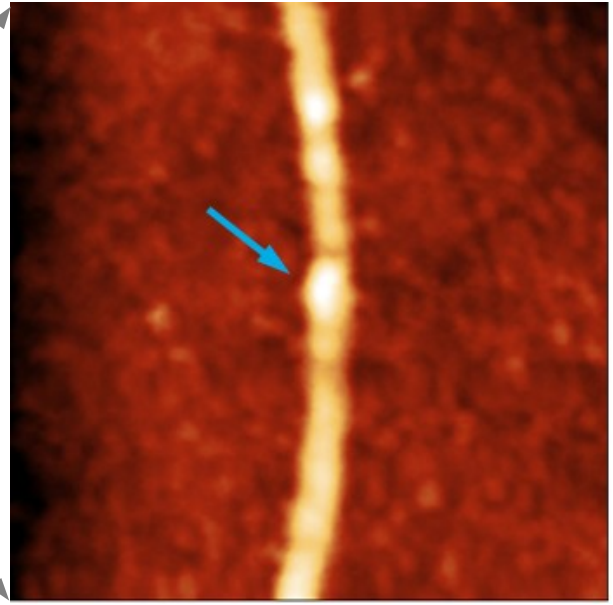


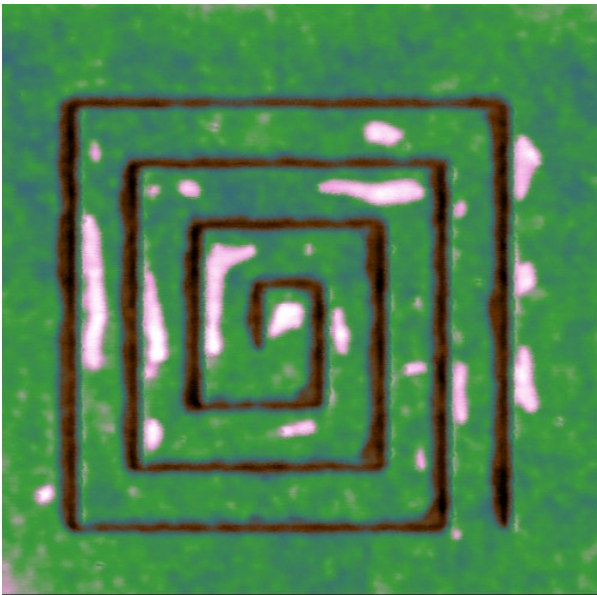
SmartSPM 1000 - Performance Examples Vector Nano Lithography



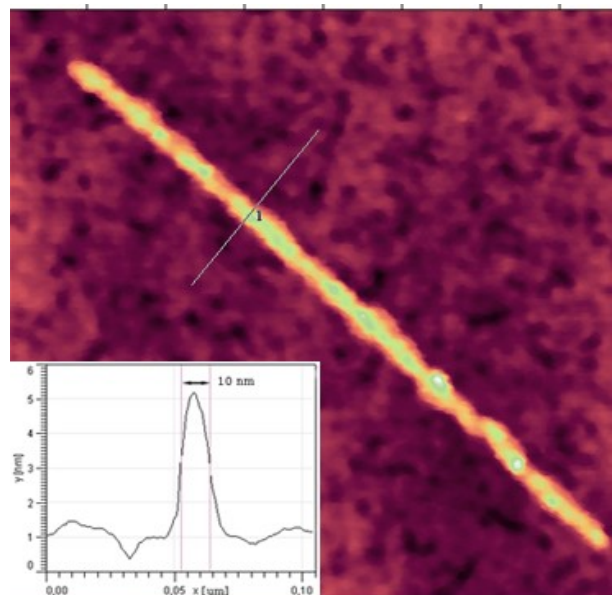
Vector local anodic oxidation on CoCr film. 4 microns scan



Arrow shows START and END points. 1 micron scan



Vector force scratching on polycarbonate. Made 5 times on the same place. 4 microns scan.



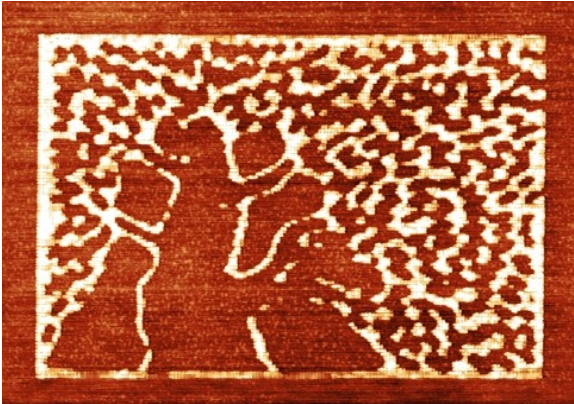
Vector Local anodic oxidation on GaAs film. The line is 4 nm high and 10 nm wide. 400 nm scan.

SmartSPM 1000 - Performance Examples

Raster Nano Lithography



Weizmann Tree digital mask used for raster.



Weizmann Tree Raster voltage lithography on organic monolayer. Semi-Contact Mode, amplitude ~1nm. +15 V to sample. 5 x 8 microns scan.



Raster voltage lithography on organic monolayer at different scale (from bottom to top 2x1.5, 4x3, 7x5 microns). 18 x 15 microns total scan.