New Nanofab Tool Keyence 3D Optical Microscope

Brian Baker





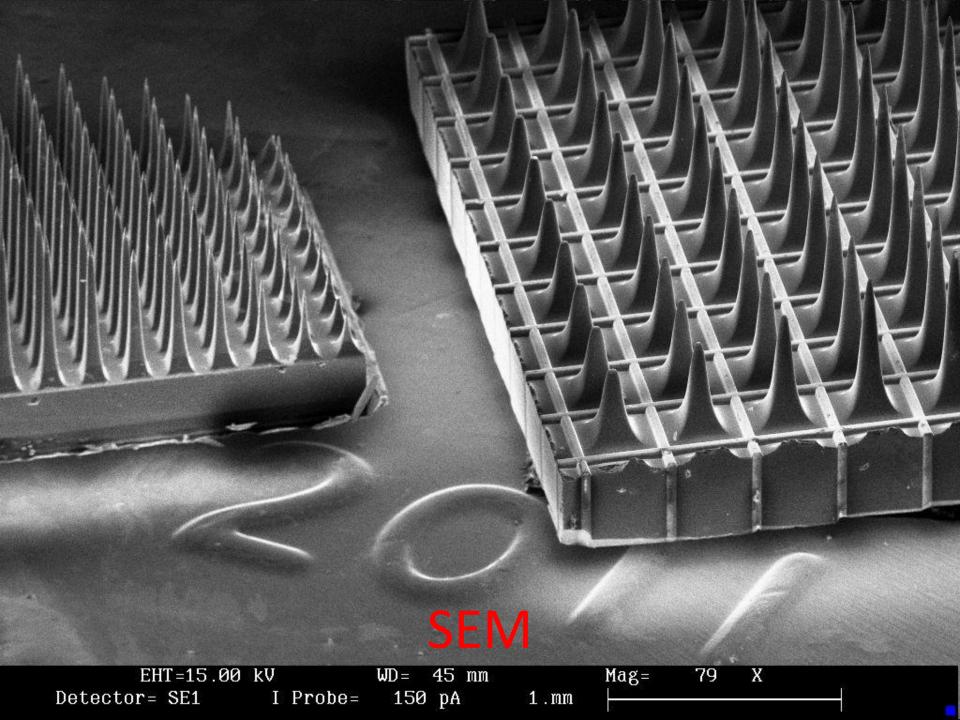
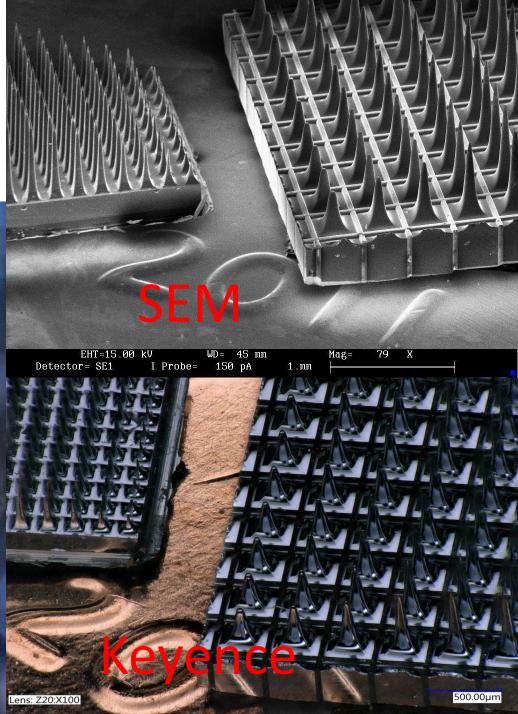


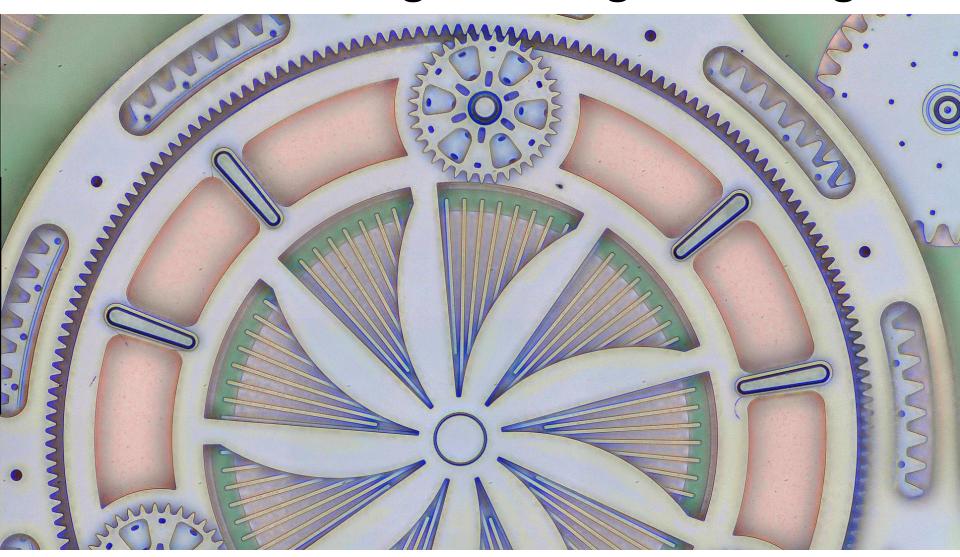


Image Comparison

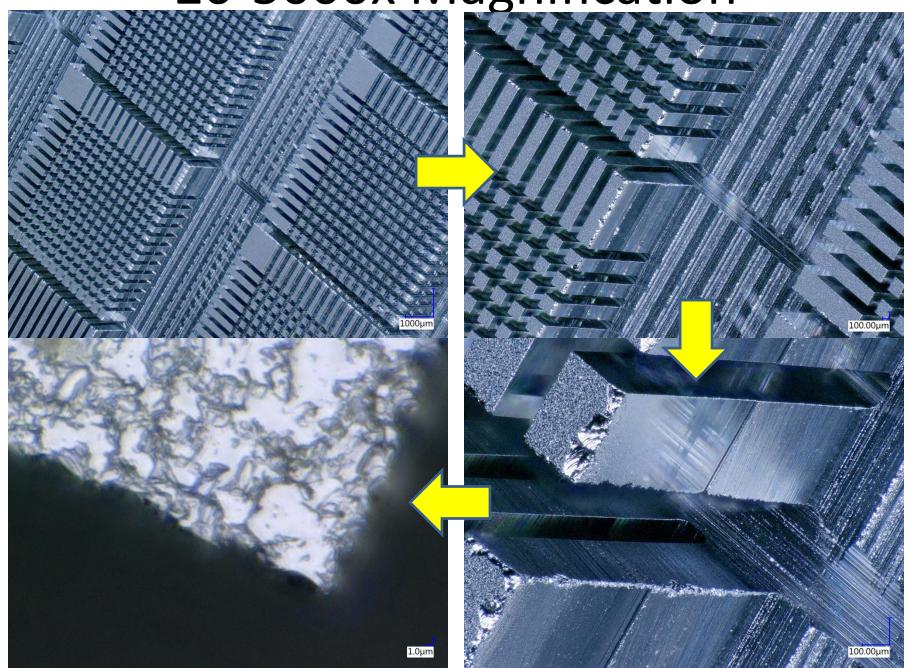


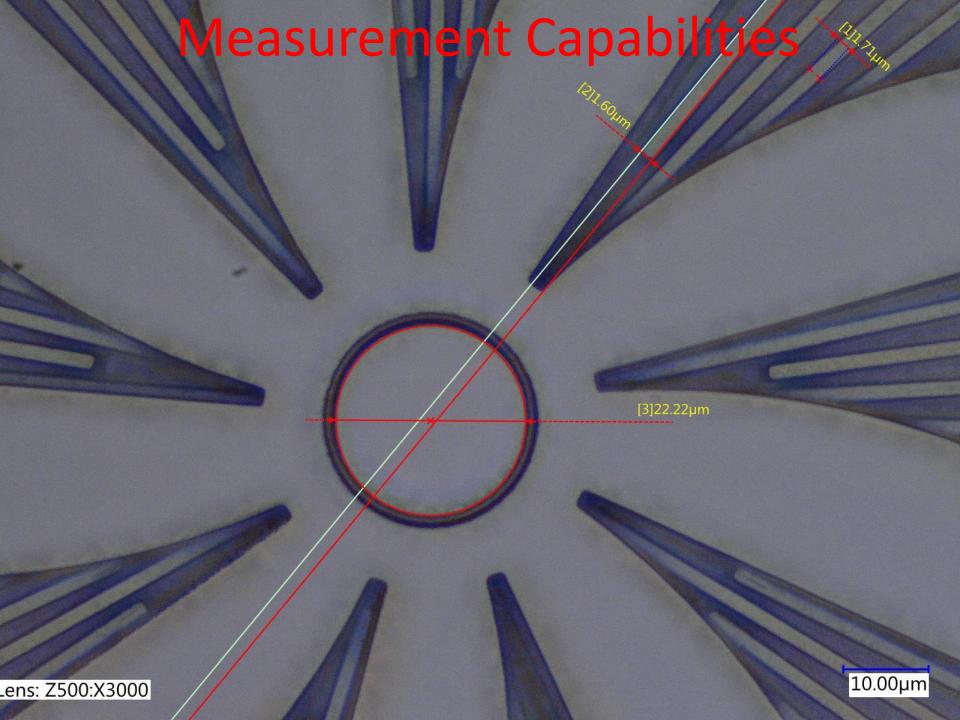


High Resolution 50 Megapixel Full Color Images + Image Stitching

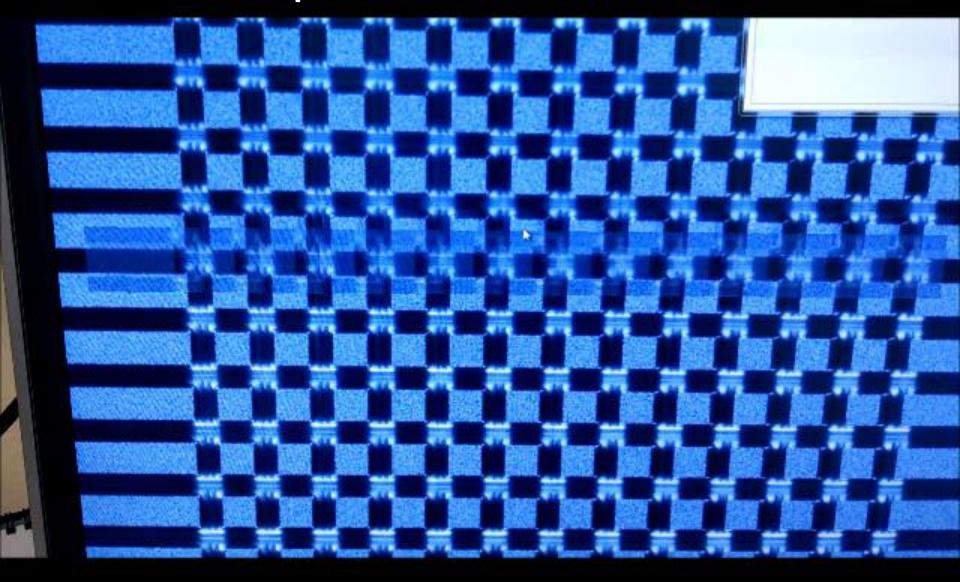


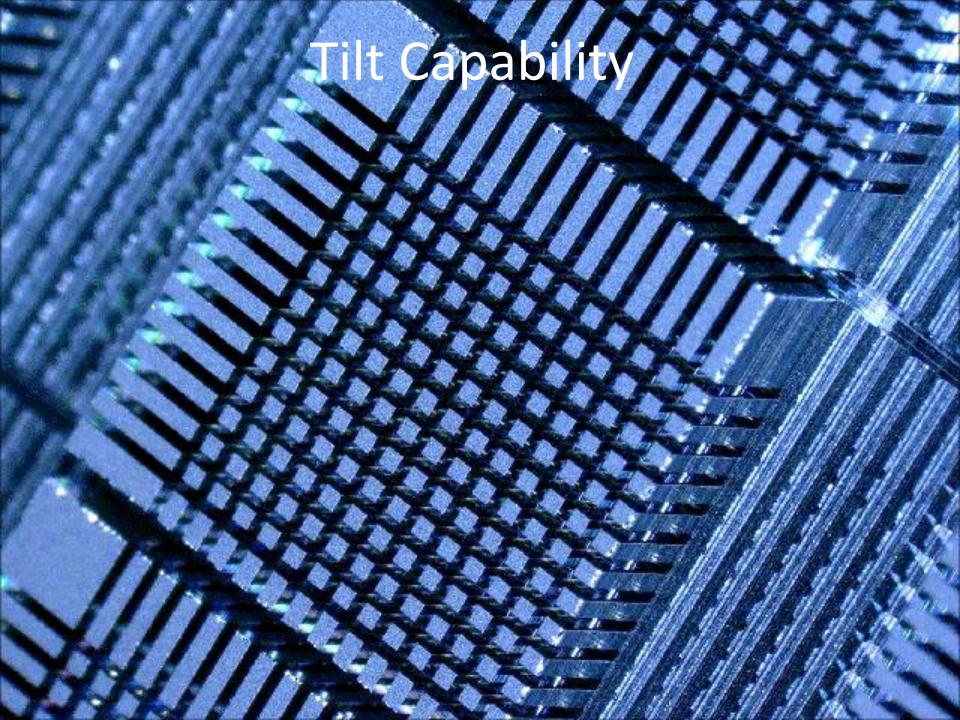
20-5000x Magnification



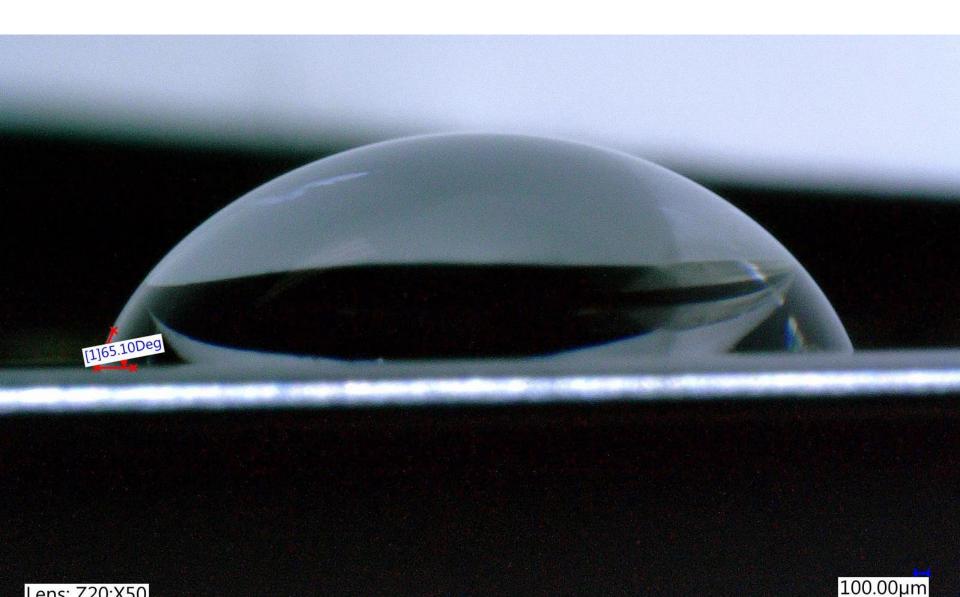


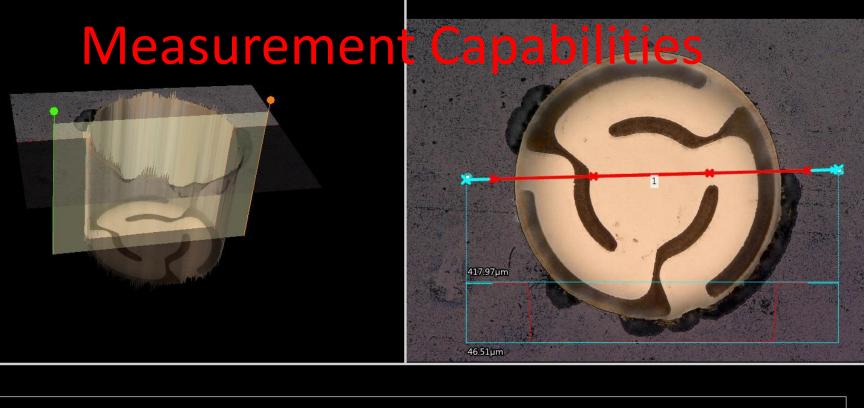
Template Measurements

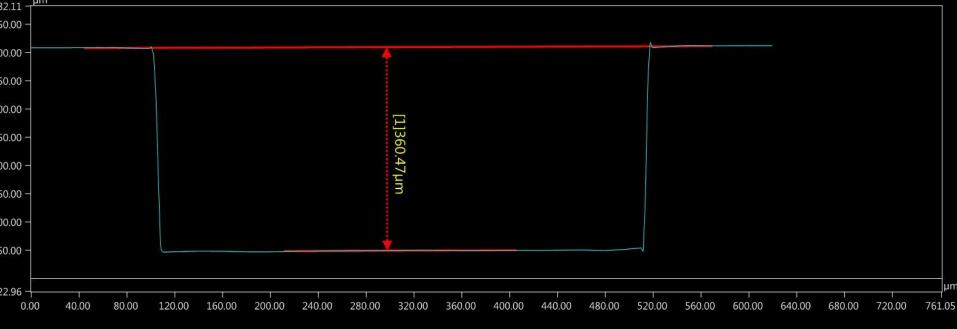




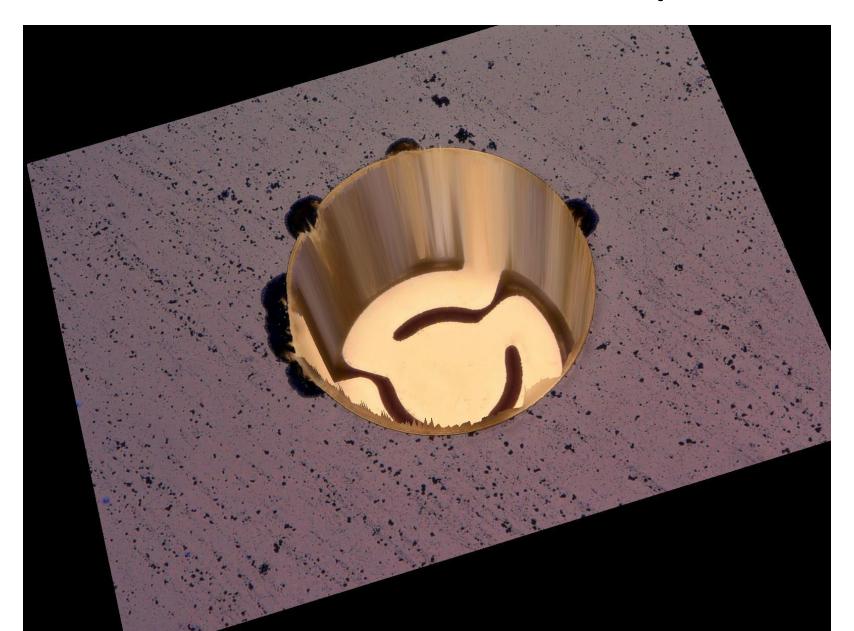
Contact Angle Goniometry







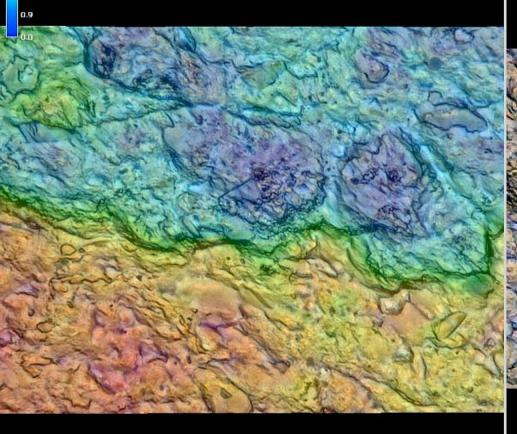
3D Surface XYZ Data Export

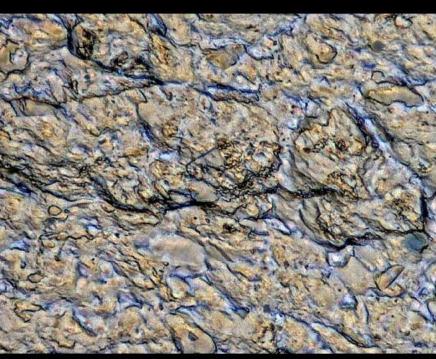


3D Surface Models

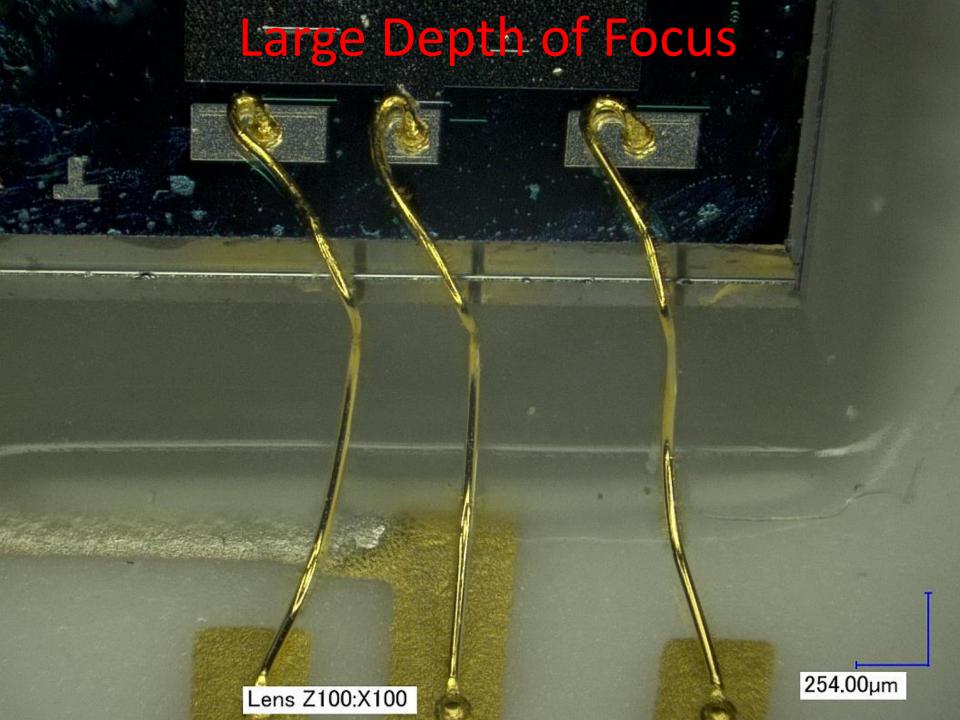


Measurement Capabilities









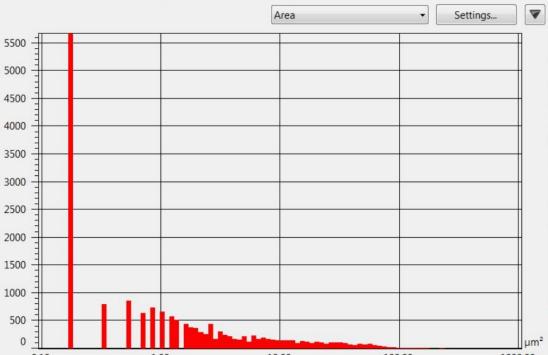


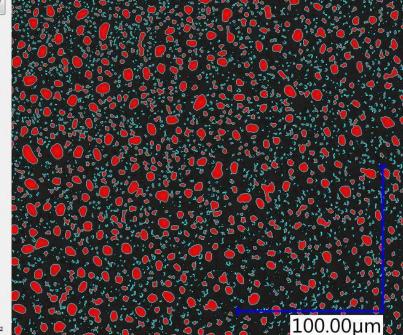
No.	Area	Perimeter	Max diameter	Min diameter	^
7503	70.18µm²	60.14µm	16.68µm	7.93µm	
10336	49.84µm²	41.15µm	16.68µm	4.55µm	
16180	124.34µm²	49.10µm	16.89µm	10.20µm	
1755	68.92µm²	41.75µm	16.94µm	6.44µm	
2775	133.52µm²	47.09µm	16.94µm	9.67µm	
4446	109.94µm²	44.36µm	16.94µm	7.59µm	
11//50	78.45µm²	60 10 um	1710um	8.15iim	-
Average	5.66µm²	5.81µm	2.04µm	1.20µm	
Standard Deviation	13.39µm²	8.55µm	2.81µm	1.78µm	8
Max	214.13µm²	111.08µm	41.29µm	12.28µm	
Min	0.18µm²	0.00µm	0.00µm	0.00µm	
Total	101617.31µm²	104330.98µm	36612.68µm	21529.04µm	
Count	Area				
	Total area			101617.3	1um²

Total region area

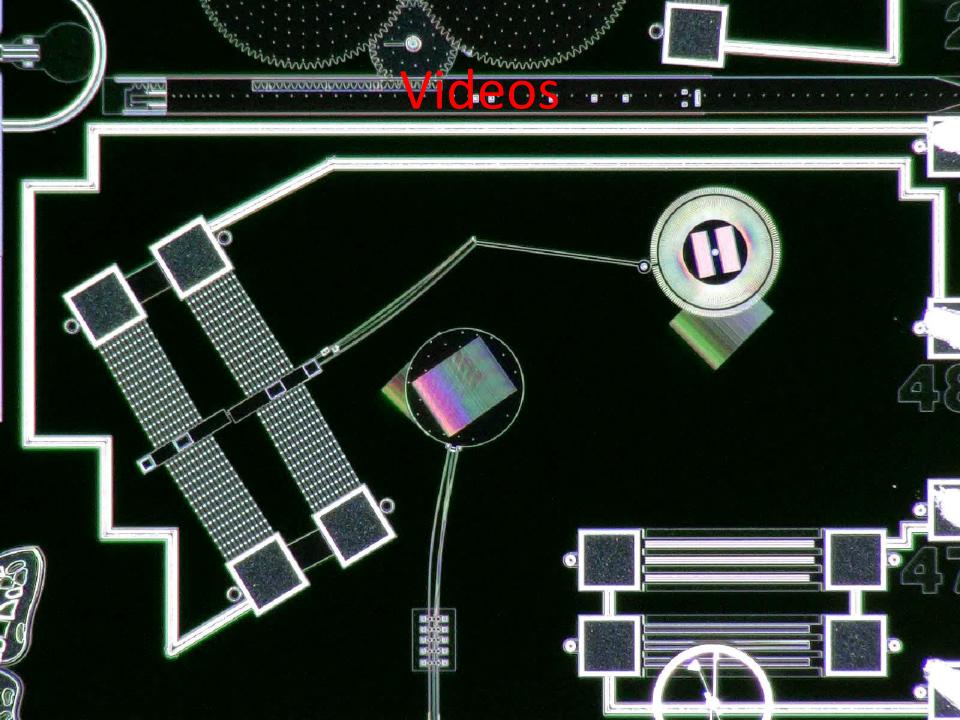
Area ratio

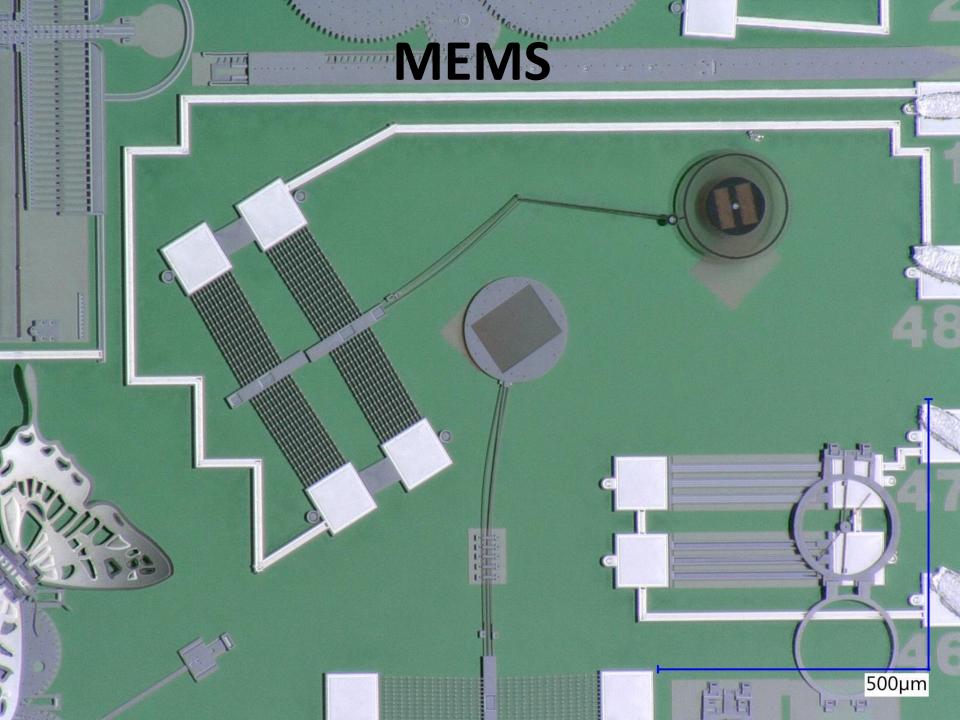
17966 pcs





345489.61µm²

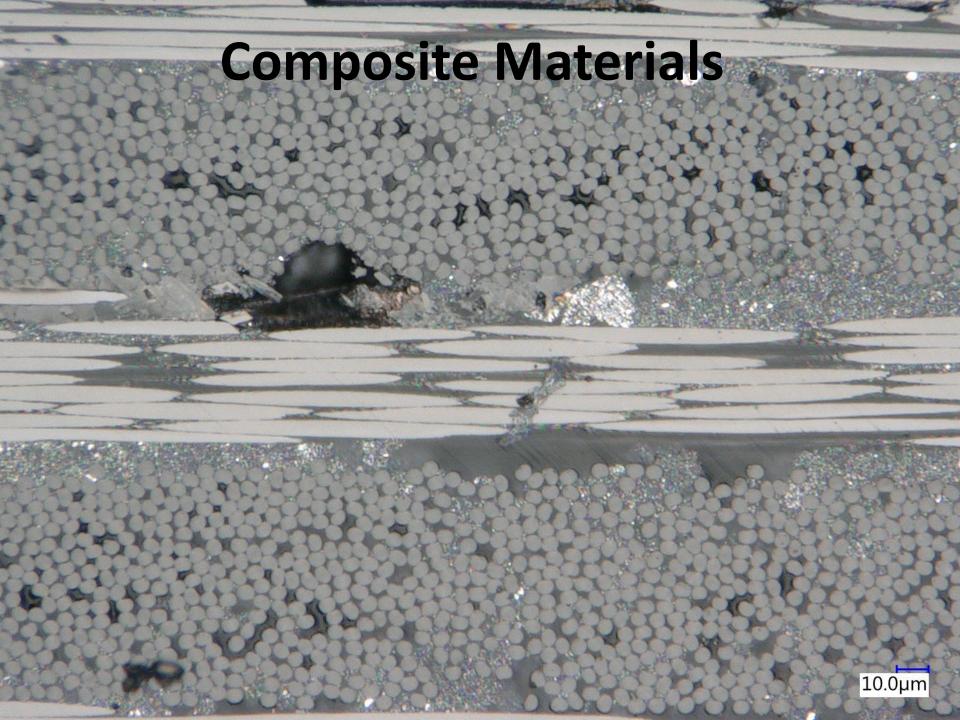








Lens: Z20:X50

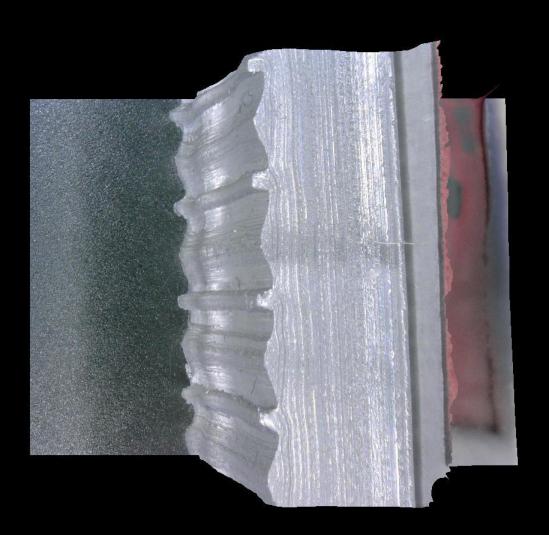


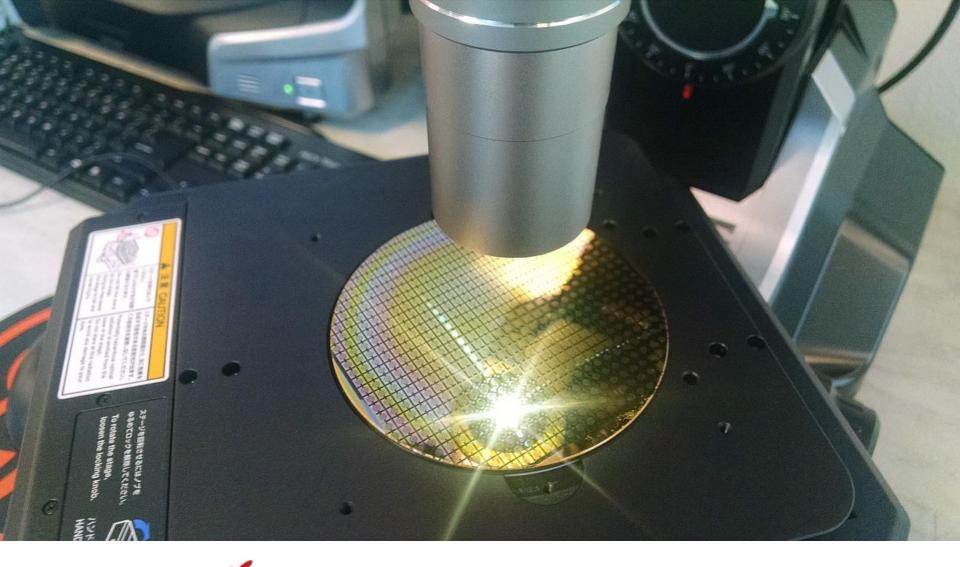
Backlight at 5000 x Magnification 10.00µm

Multiple Magnifications and Angles



Cross-Sections





UTAHNANOFAB