

New Nanofab Tool Keyence 3D Optical Microscope

Brian Baker







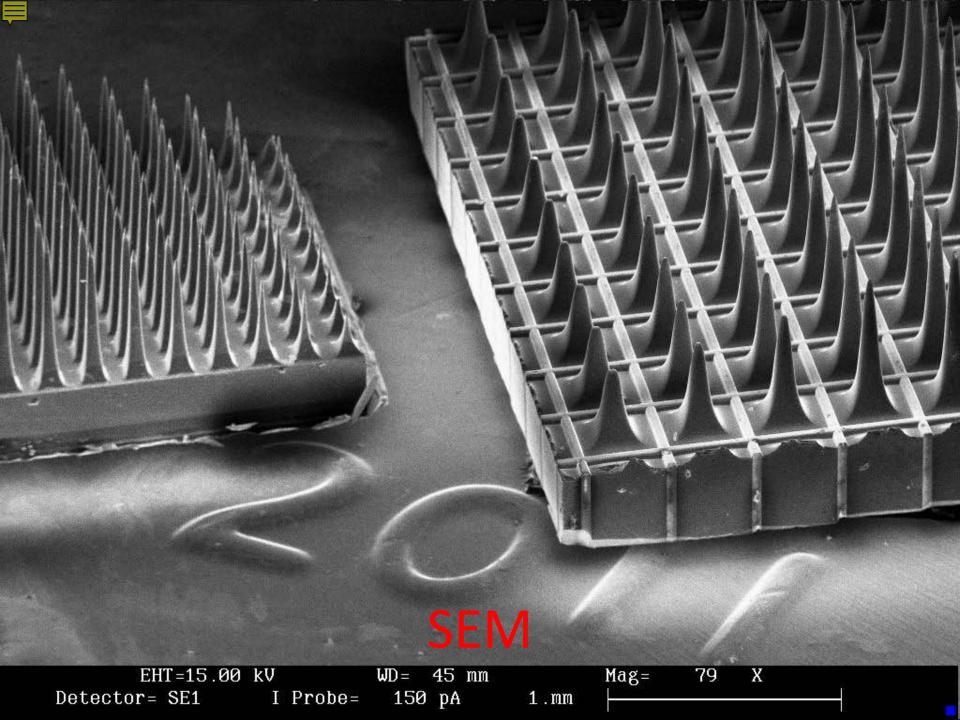
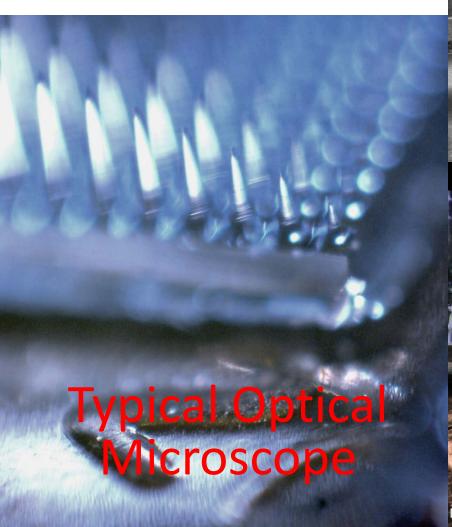
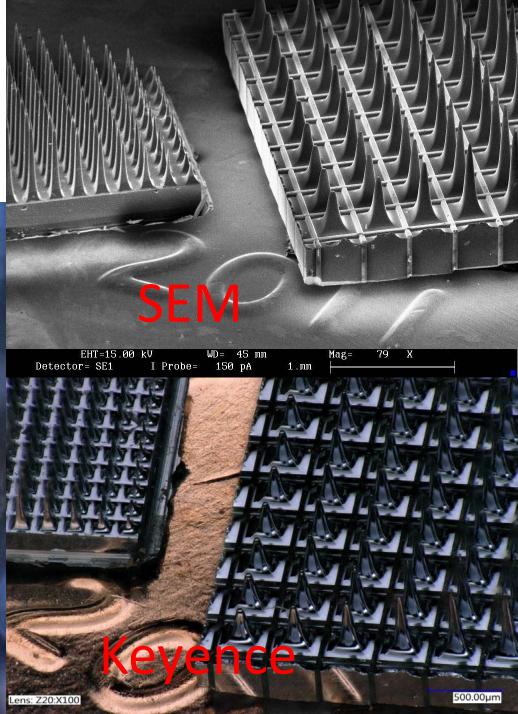




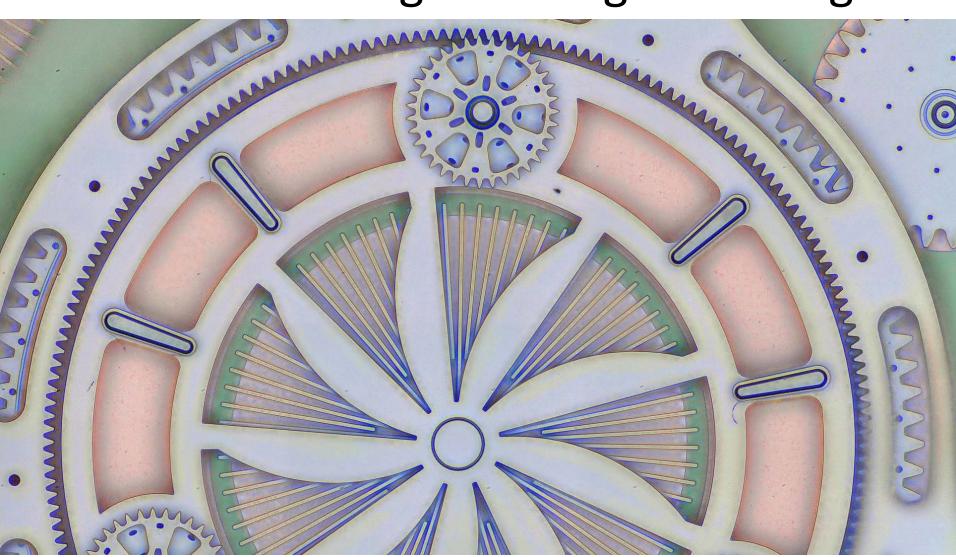


Image Comparison



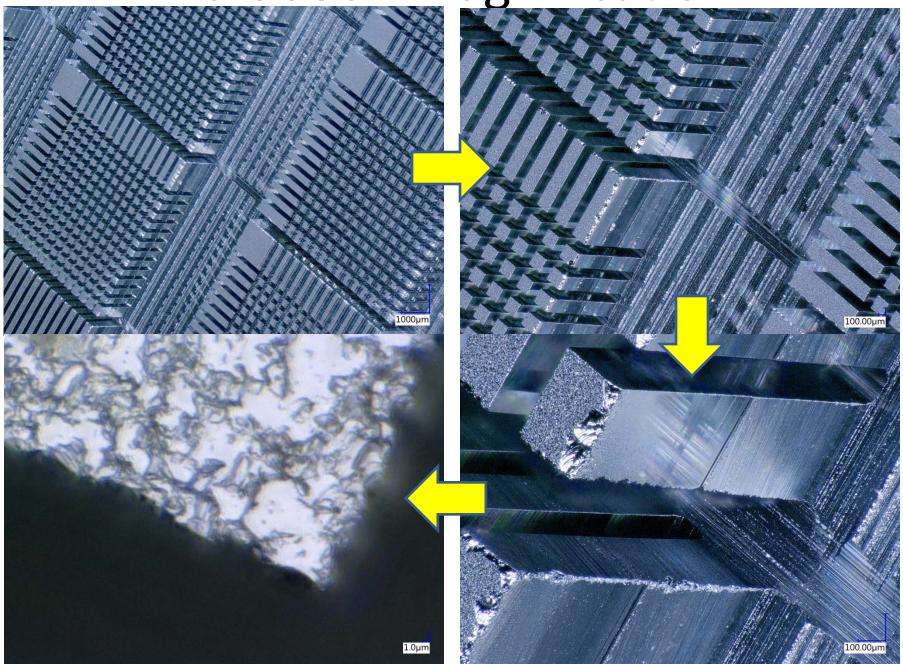


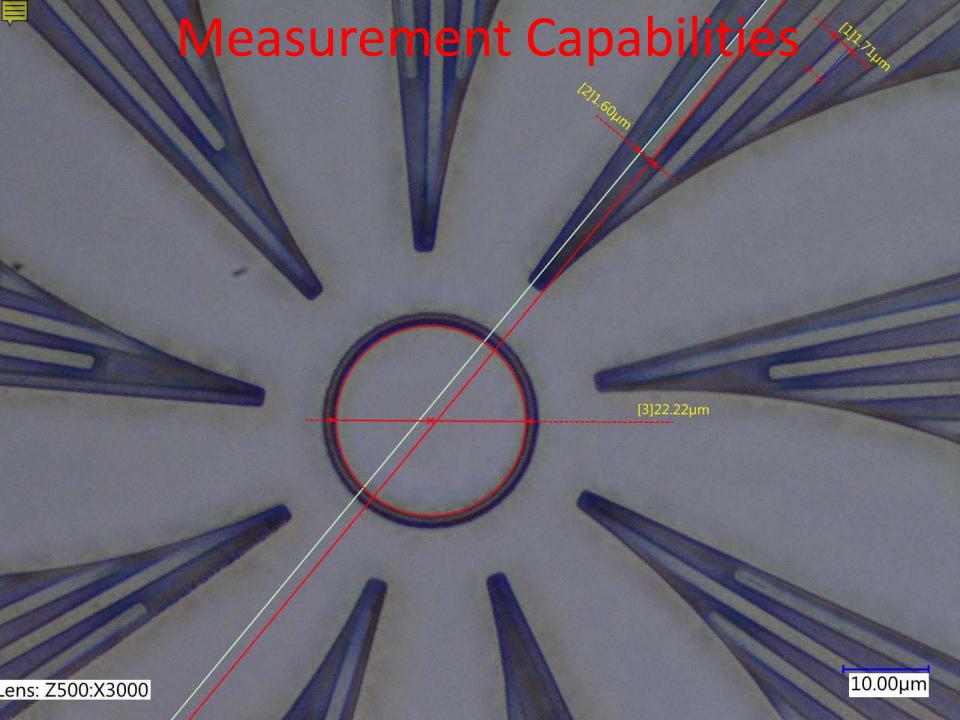
High Resolution 50 Megapixel Full Color Images + Image Stitching



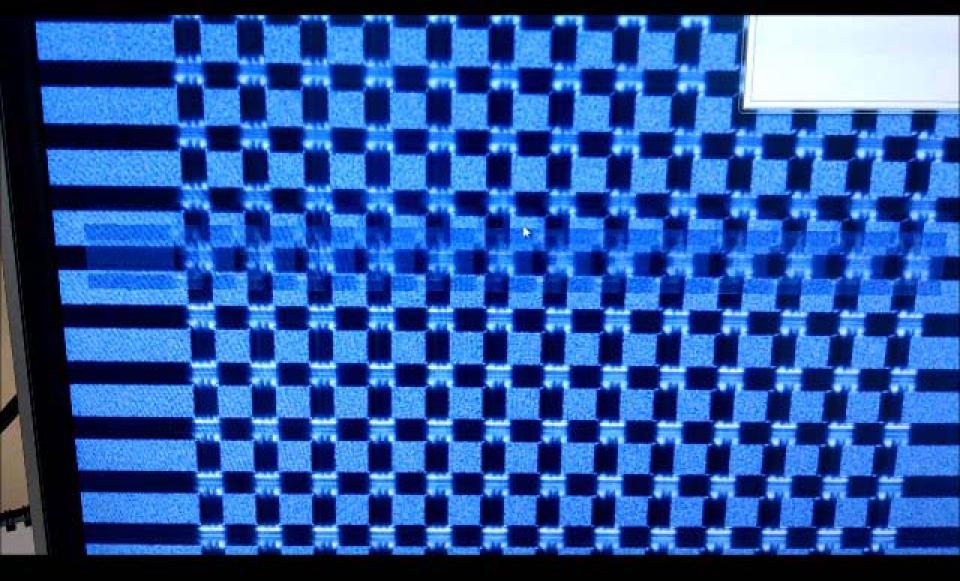


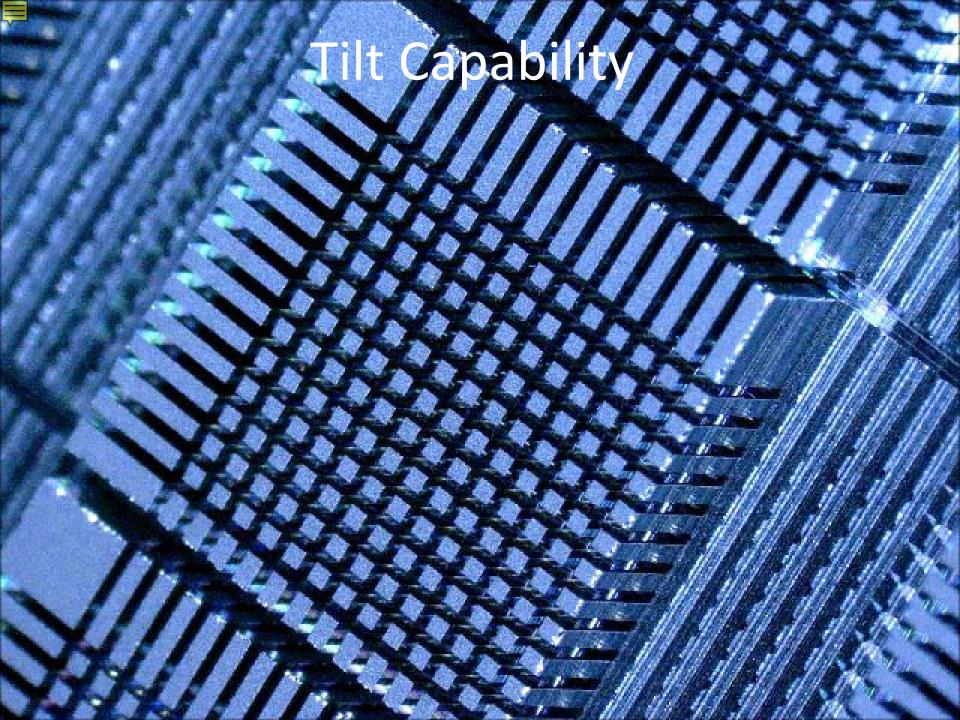
20-5000x Magnification





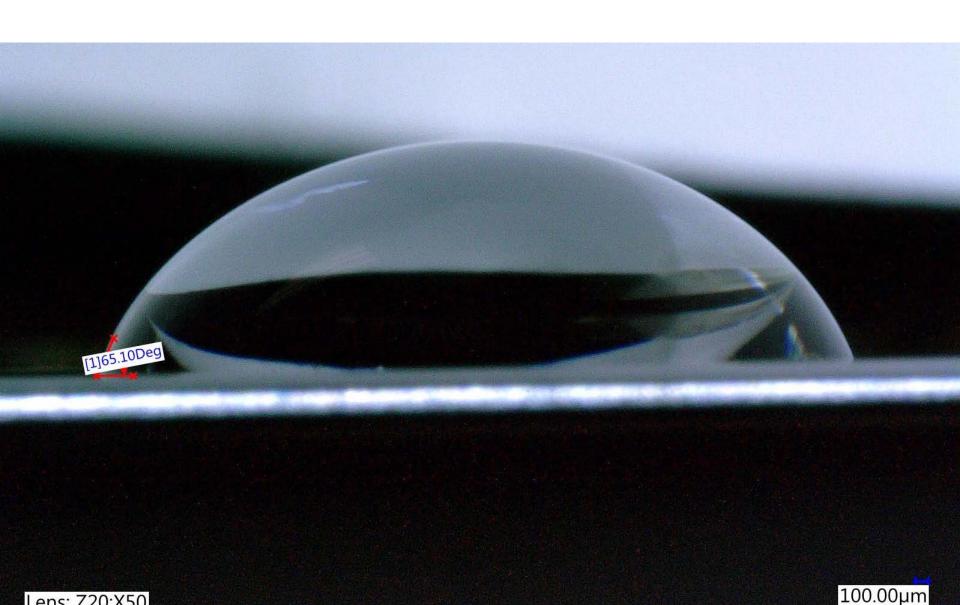
Template Measurements

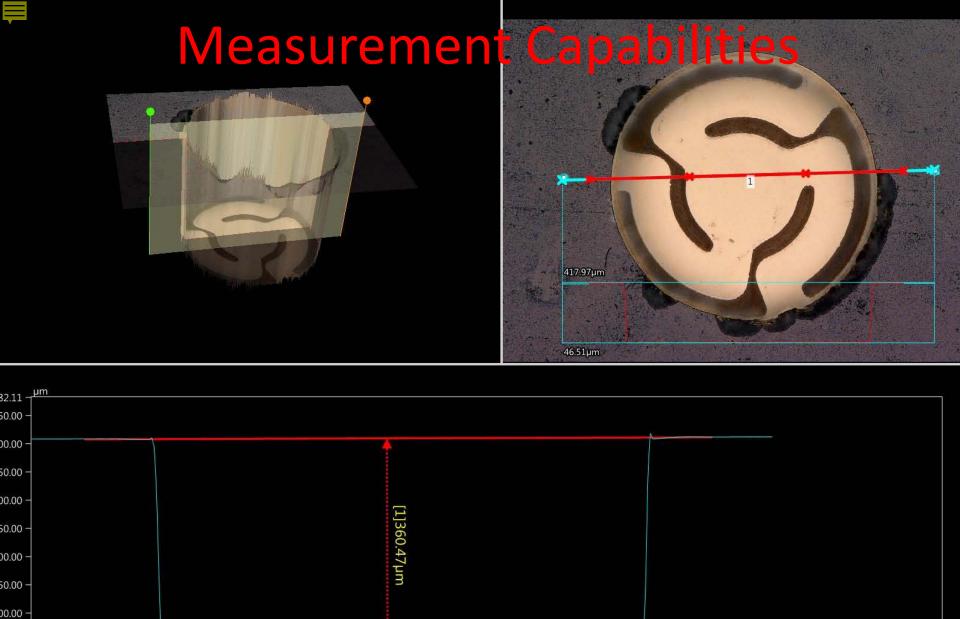






Contact Angle Goniometry





360.00

320.00

400.00

440.00

480.00

520.00

560.00

600.00

640.00

720.00

680.00

761.05

50.00

40.00

80.00

160.00

120.00

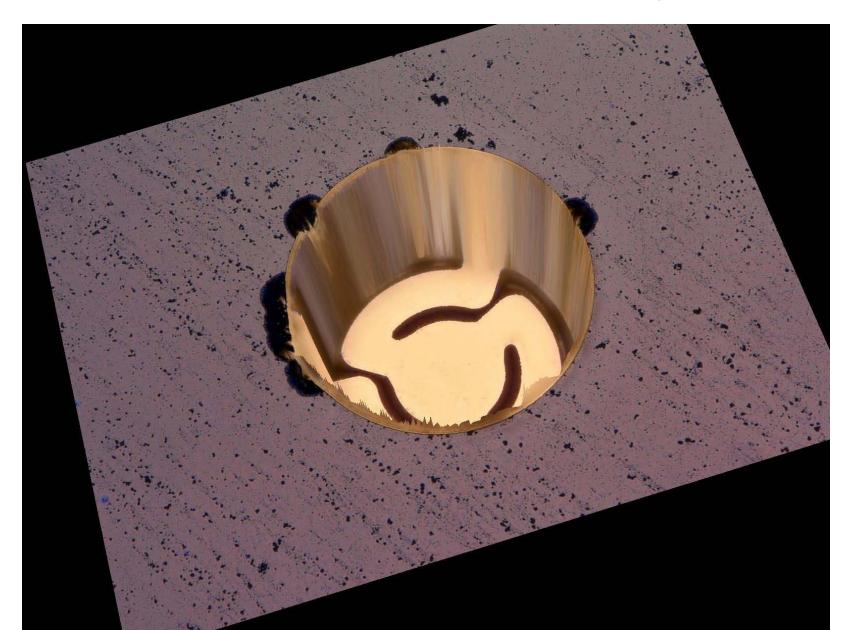
200.00

240.00

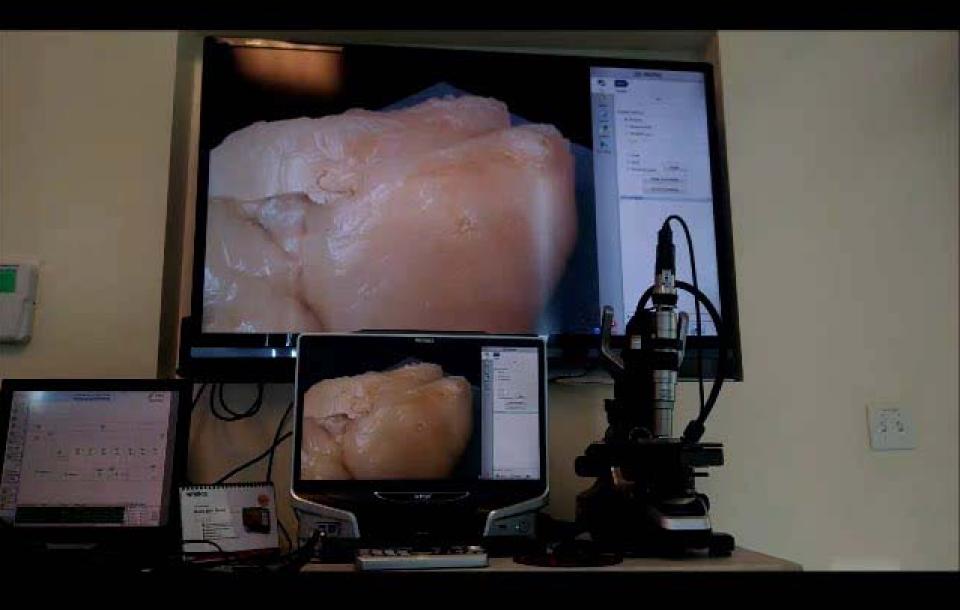
280.00



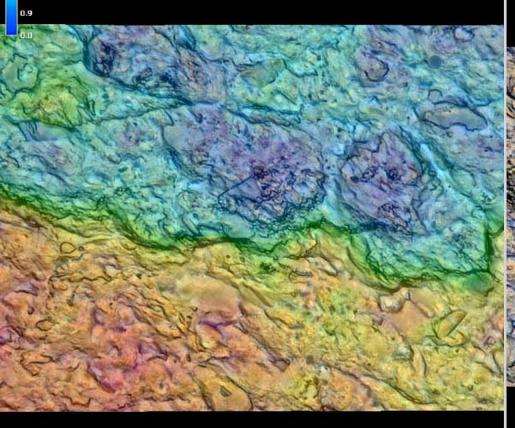
3D Surface XYZ Data Export

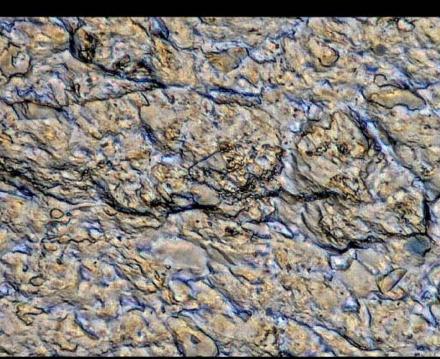


3D Surface Models

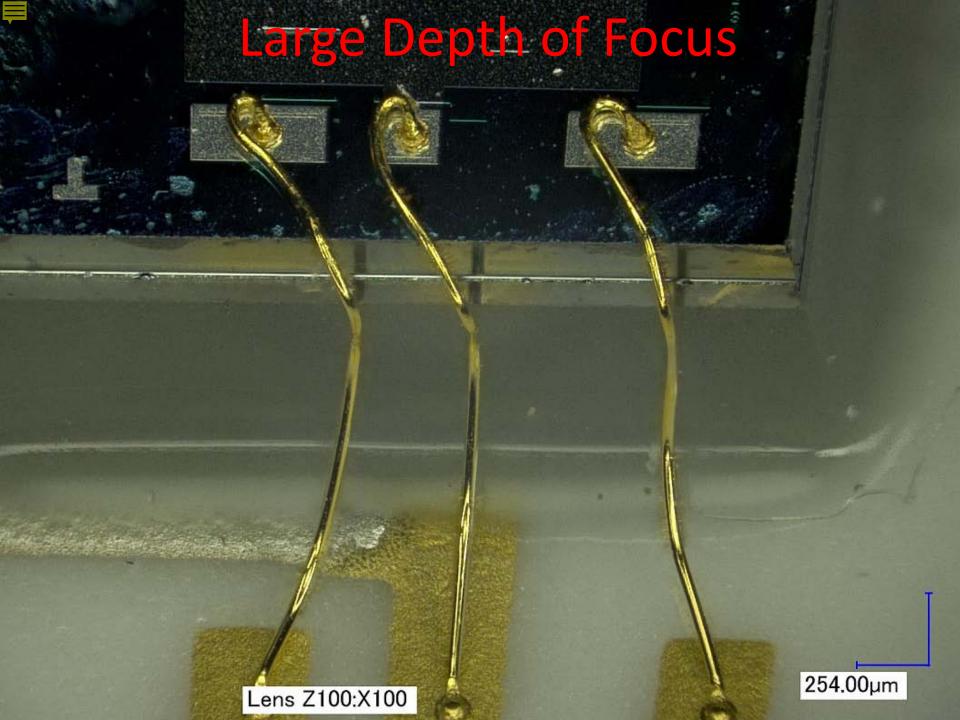


Measurement Capabilities







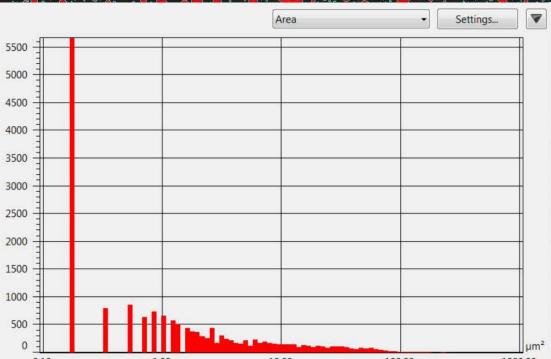


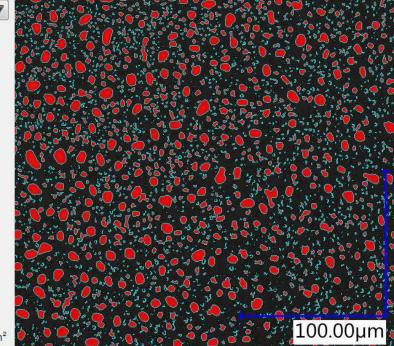


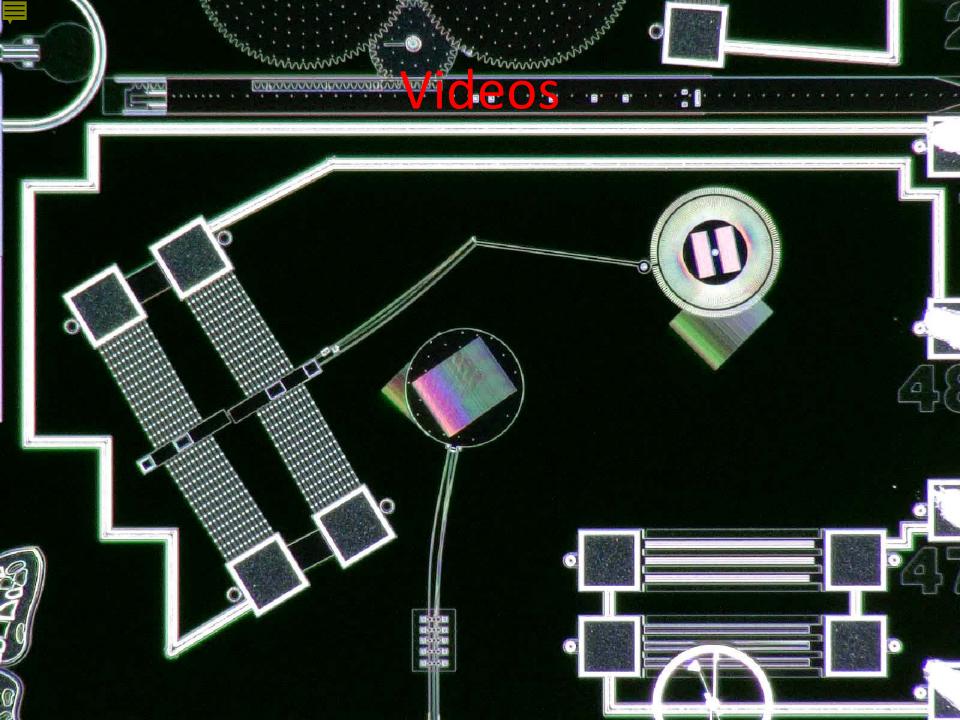
No.	Area	Perimeter	Max diameter	Min diameter	
7503	70.18µm²	60.14µm	16.68µm	7.93µm	
10336	49.84µm²	41.15µm	16.68µm	4.55µm	
16180	124.34µm²	49.10µm	16.89µm	10.20µm	
1755	68.92µm²	41.75µm	16.94µm	6.44µm	
2775	133.52µm²	47.09µm	16.94µm	9.67µm	
4446	109.94μm²	44.36µm	16.94µm	7.59µm	
11//50	78.45µm²	60 10 um	17 10um	9.15um	-
Average	5.66µm²	5.81µm	2.04µm	1.20µm	
Standard Deviation	13.39µm²	8.55µm	2.81µm	1.78µm	
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				

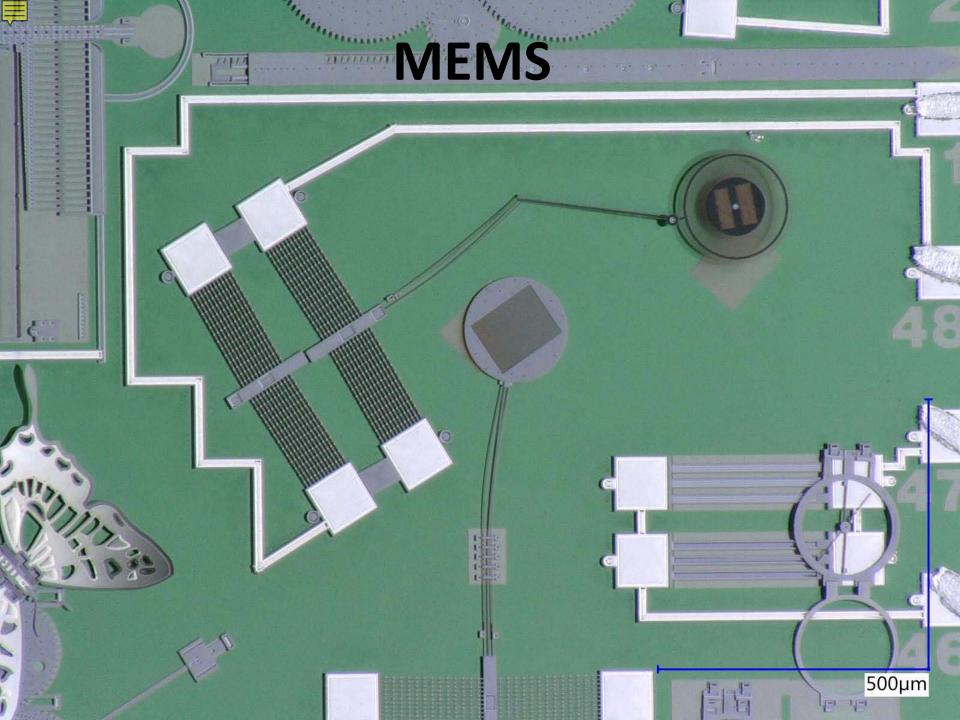
Count			A
			To
	17066	nce	To

	Total area	101617.3
966 pcs	Total region area	345489.6
	Area ratio	29.4
-		

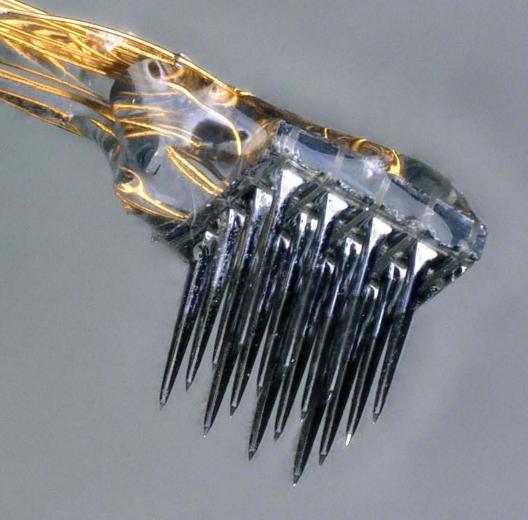




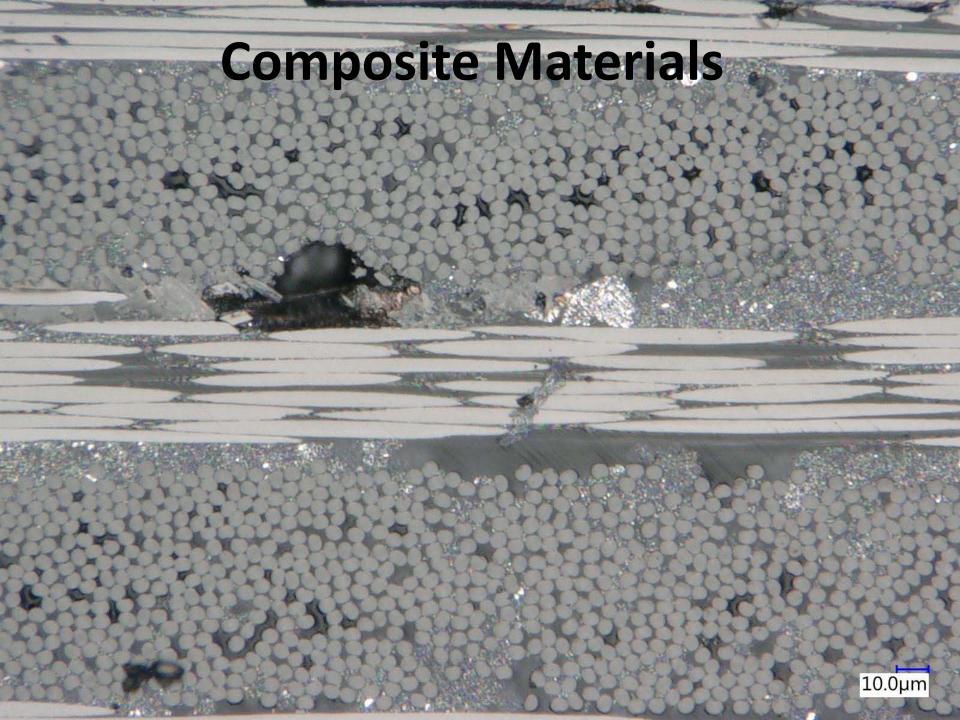


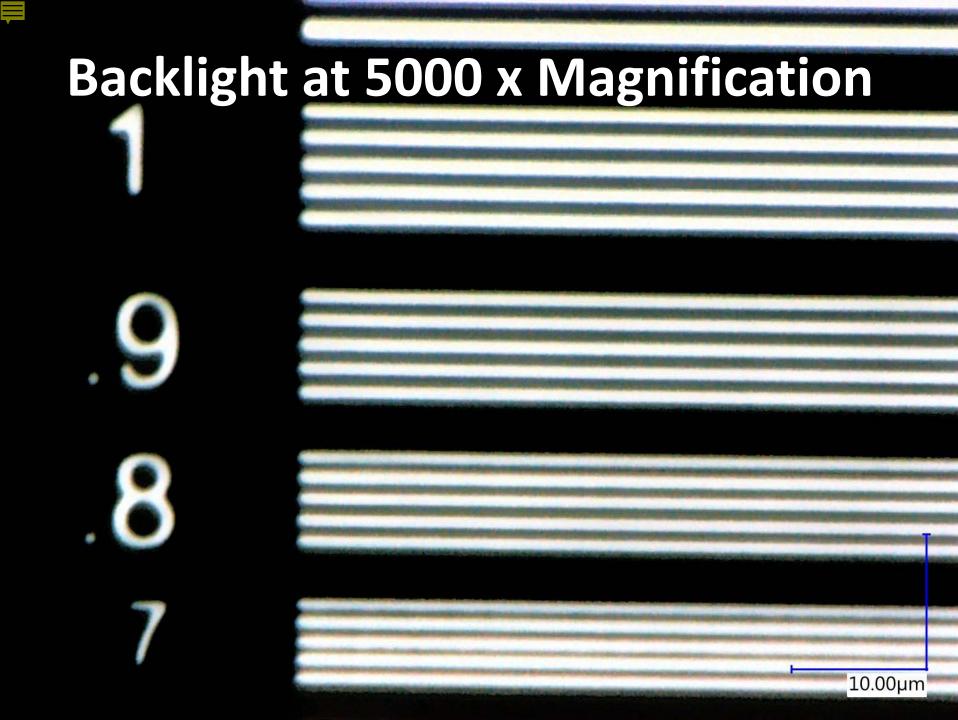






Lens: Z20:X50



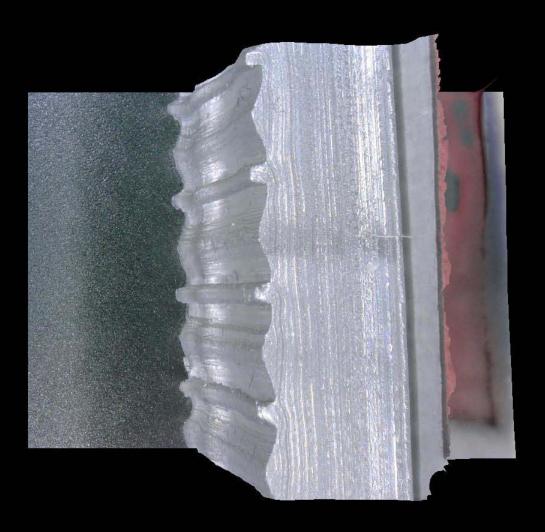


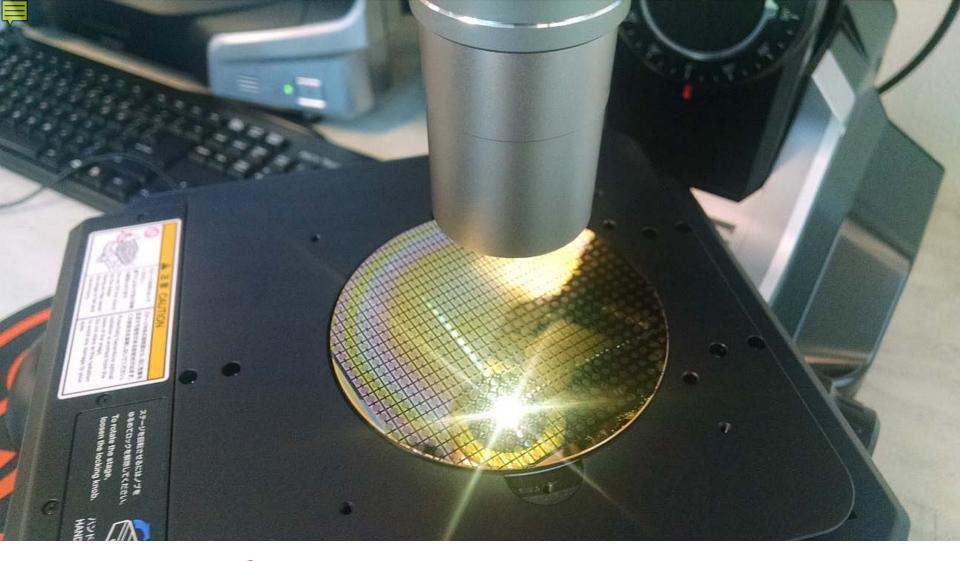
Multiple Magnifications and Angles





Cross-Sections





UTAHNANOFAB