

Supplementary table 2. Surface roughness values measured at equidistant cells across the entire chip with 1800 gray levels.

		Ra (nm)	Rq (nm)	Rt (nm)
Left matrix Row 1				
	Column 1	0.36	0.44	2.66
	Column 5	0.26	0.32	2.21
	Column 9	0.45	0.58	4.15
	Column 13	0.52	0.68	5.36
	Column 17	0.44	0.54	3.47
	Column 21	0.52	0.65	4.32
Left matrix Row 5	Column 25	0.6	0.75	5.36
	Column 1	0.31	0.42	3.52
	Column 5	0.33	0.41	2.49
	Column 9	0.33	0.42	2.83
	Column 13	0.44	0.54	3.05
	Column 17	0.41	0.51	3.08
Left matrix Row 9	Column 21	0.54	0.68	4.2
	Column 25	0.8	0.96	5.21
	Column 1	0.32	0.41	2.43
	Column 5	0.42	0.52	3.12
	Column 9	0.54	0.67	3.64
	Column 13	0.32	0.41	1.99
Left matrix Row 13	Column 17	0.36	0.45	2.65
	Column 21	0.39	0.48	3.12
	Column 25	0.5	0.64	4.55
	Column 1	0.41	0.5	3.29
	Column 5	0.37	0.46	2.84
	Column 9	0.37	0.53	5.74
Left matrix Row 17	Column 13	0.43	0.54	3.59
	Column 17	0.41	0.51	3.12
	Column 21	0.39	0.49	3.31
	Column 25	0.66	0.83	6.01
	Column 1	0.25	0.31	1.75
	Column 5	0.26	0.32	2.28
Left matrix Row 21	Column 9	0.71	0.9	5.33
	Column 13	0.34	0.42	2.55
	Column 17	0.3	0.39	2.54
	Column 21	0.31	0.39	2.4
	Column 25	0.32	0.4	2.46
	Column 1	0.25	0.32	2.05
Left matrix Row 25	Column 5	0.31	0.39	2.39
	Column 9	0.34	0.43	2.94
	Column 13	0.36	0.45	3.02
	Column 17	0.37	0.45	2.91
	Column 21	0.39	0.48	2.24
	Column 25	0.44	0.56	3.94
Left matrix Row 29	Column 1	0.45	0.55	3.32
	Column 5	0.35	0.44	3.19
	Column 9	0.47	0.58	3.47
	Column 13	0.57	0.7	4.31
	Column 17	0.43	0.54	3.33
	Column 21	0.4	0.5	3.26
	Column 25	0.21	0.26	1.64
Right matrix Row 29				
	Column 1	0.51	0.63	4.29
	Column 5	0.71	0.89	6.89
	Column 9	0.42	0.53	3.58
	Column 13	0.39	0.49	3.13
	Column 17	0.41	0.5	2.77
	Column 21	0.4	0.5	3.42
Right matrix Row 33	Column 25	0.33	0.42	3.42
	Column 1	0.54	0.69	4.91
	Column 5	0.75	0.95	6.75
	Column 9	0.46	0.56	3.92
	Column 13	0.36	0.46	3.17
	Column 17	0.41	0.52	3.65
Right matrix Row 37	Column 21	0.4	0.51	4.17
	Column 25	0.28	0.36	3.01
	Column 1	1.11	1.37	7.77
	Column 5	0.41	0.52	3.73
	Column 9	0.55	0.69	4.71
	Column 13	0.39	0.48	3.48
Right matrix Row 41	Column 17	0.39	0.48	3.15
	Column 21	0.37	0.48	3.54
	Column 25	0.32	0.42	1.82
	Column 1	0.56	0.68	4.12
	Column 5	0.41	0.5	3.12
	Column 9	0.63	0.8	5.1
Right matrix Row 45	Column 13	0.56	0.7	4.92

	Column 17	0.41	0.5	3.15
	Column 21	0.44	0.56	3.36
	Column 25	0.48	0.58	1.82
Right matrix Row 45				
	Column 1	1.03	1.28	7.72
	Column 5	0.49	0.61	4.44
	Column 9	0.61	0.78	5.37
	Column 13	0.4	0.5	3.25
	Column 17	0.46	0.57	3.57
	Column 21	0.95	1.19	6.82
	Column 25	0.27	0.34	2.5
Right matrix R49				
	Column 1	0.24	0.3	1.97
	Column 5	0.68	0.94	8.14
	Column 9	0.65	1.42	4.29
	Column 13	0.34	0.43	2.7
	Column 17	0.4	0.49	3.04
	Column 21	0.39	0.5	4.79
	Column 25	0.28	0.34	2.19
Right matrix R54				
	Column 1	0.41	0.51	3.33
	Column 5	0.38	0.47	3.21
	Column 9	0.38	0.48	3.14
	Column 13	0.38	0.47	3.47
	Column 17	0.39	0.49	3.53
	Column 21	0.35	0.44	2.68
	Column 25	0.3	0.38	1.75