

**Supplementary Table S1.** Surface roughness parameters on samples produced from experimental conditions at 50x50  $\mu\text{m}$  surface area (w/ coefficient of kurtosis at 10x10  $\mu\text{m}$ ) in Table 1

Parameters	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8	Sample 9
Peak-to-peak, $R_y$	478.4 nm	225.1 nm	84.8 nm	207.5 nm	364.7 nm	328.8 nm	428.4 nm	639.9 nm	150.6 nm
Ten point height, $R_z$	222.8 nm	103.9 nm	42.4 nm	103.4 nm	177.8 nm	137.5 nm	210.3 nm	307.8 nm	114.5 nm
Average	146.4 nm	38.8 nm	13.4 nm	46.3 nm	74.9 nm	27.6 nm	76.7 nm	38.1 nm	74.6 nm
Average Roughness, $R_a$	47.5 nm	15.9 nm	7.8 nm	22.7 nm	20.2 nm	11.1 nm	17.7 nm	18.1 nm	14.2 nm
Roughness Grade Number	N2	N1	N1	N1	N1	N1	N1	N1	N1
Second moment, $R_q$	157.3	45.5	17.6	53.9	81.6	31.3	80.3	45.0	76.6
Root Mean Square, $R_{RMS}$	57.5 nm	23.9 nm	11.3 nm	27.5 nm	32.4 nm	14.8 nm	23.8 nm	24.1 nm	17.4 nm
Surface skewness, $R_{sk}$	0.3895	2.1456	2.1592	1.0219	2.8004	1.9342	1.0324	2.4519	0.8536
Coefficient of kurtosis at 50x50 $\mu\text{m}$ , $R_{ka}$	-0.4565	5.1402	4.9438	0.6221	11.32	6.0860	5.8140	23.4906	1.1159
Coefficient of kurtosis at 10x10 $\mu\text{m}$ , $R_{ka}$	-0.3024	5.8384	4.3509	1.4121	2.6203	3.1474	1.0296	5.9761	1.1582
Morphology	Broad	Broad	Narrow	Narrow	Broad	Narrow	Blunt	Narrow	Blunt
Entropy	12.2	7.0	9.2	10.8	10.6	9.6	7.6	10.7	7.2