

Supplementary material

Resulting Structure Width and Modeled Fit over the Energy Dose

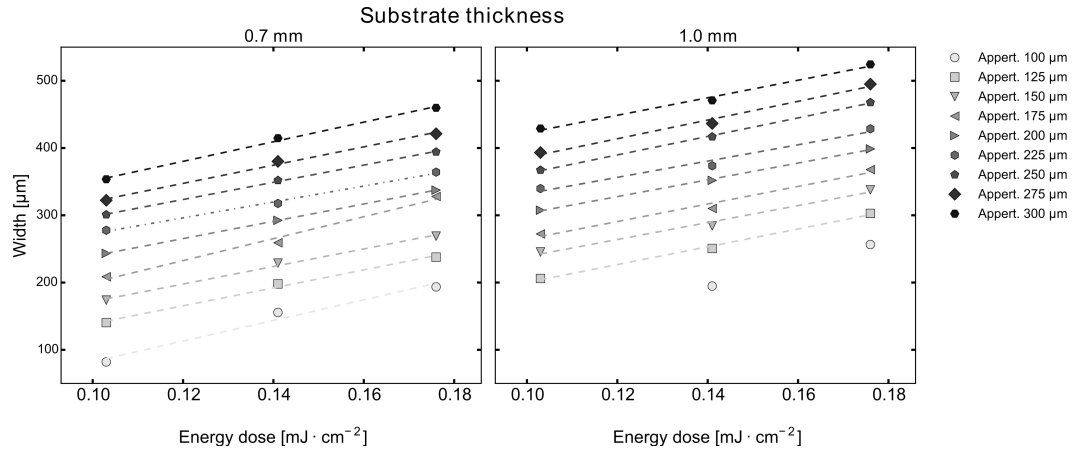


Figure S1. Measured structure width and modeled feature width over the energy dose for the aperture range 100 µm to 300 µm in 25 µm steps, and with respect to the substrate thickness of 0.7 mm and 1.0 mm.

$$w = m \cdot x + n \quad (S1)$$

This equation shows the linear model fit where w is the resulting width, m corresponds to the slope, x is the energy dose, and n is an offset in width.

Table S1. Values of the linear regression of the resulting width over the exposed energy dose: m —slope; n —offset of the linear function; R^2 —coefficient of determination.

Thickness (mm)	Aperture (µm)	m (-)	n (µm)	R^2 (-)
0.7	100	1534.42	-71.12	0.975
0.7	125	1334.93	5.21	0.993
0.7	150	1305.47	41.13	0.996
0.7	175	1630.44	36.98	0.987
0.7	200	1287.33	110.85	1.000
0.7	225	1182.35	154.29	0.995
0.7	250	1278.58	170.03	0.999
0.7	275	1357.16	184.56	0.995
0.7	300	1456.83	205.37	0.996
1.0	100	-	-	-
1.0	125	1323.87	67.84	0.995
1.0	150	1261.31	112.62	0.987
1.0	175	1305.24	134.03	0.979
1.0	200	1247.49	178.07	0.999
1.0	225	1211.92	210.92	0.975
1.0	250	1376.36	224.55	0.999
1.0	275	1389.78	247.03	0.988
1.0	300	1303.77	292.19	0.991