

Supplementary Materials: Fabrication of 3D micro-blades for the cutting of biological structures in a microfluidic guillotine

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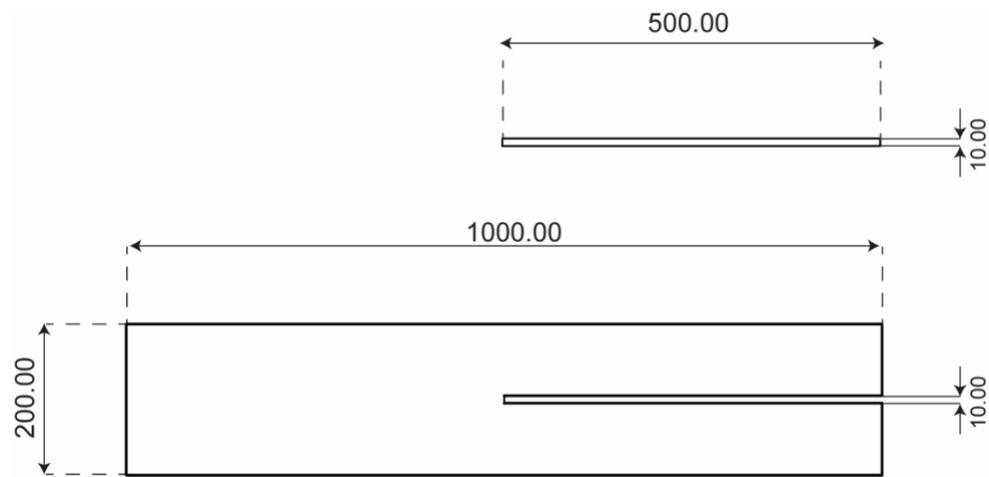


Figure S1. Schematic diagrams of the rectangular features for IP-S photoresist adhesion tests. Top view of rectangular features and the inverse of these features for the adhesion test in Table 1 (main text). Both features are 100 μm tall. All dimensions are in units of microns.

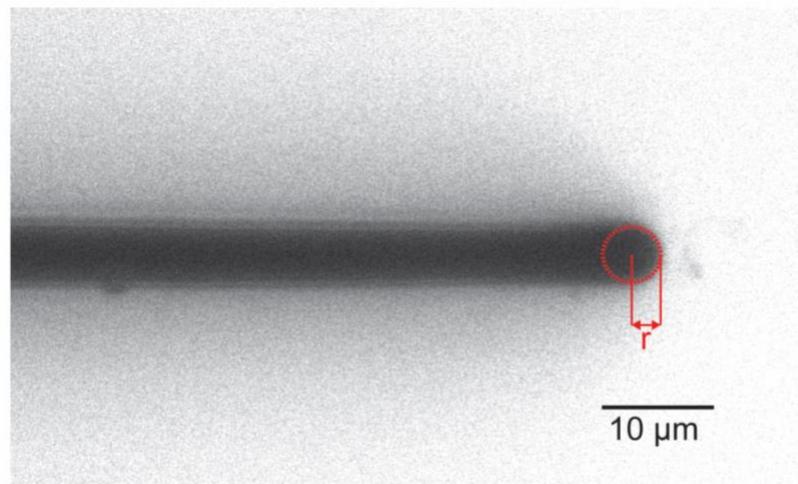


Figure S2. Radius of curvature of the tip of the 90° blade. Confocal microscope image of the 90° blade in PDMS used for measuring blade tip radius. See section 2.4 in the text for details.

Table S1. Table of Bonferroni corrected p-values of Sytox fluorescence data. Significance is denoted with * indicating $p \leq 0.05$, ** indicating $p \leq 0.01$, and *** indicating $p \leq 0.001$.

	90°	11°	Catenary	Sashimi	Dull to Sharp
90°		0.041*	0.007**	1.000	0.340
11°			1.000	0.797	0.008**
Catenary				0.669	0.0005***
Sashimi					0.038*
Dull to Sharp					