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Supporting Information

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Funnel-Shaped Microstructures for Strong Reversible
Adhesion

*Sarah C. L. Fischer, Katja Groß, Oscar Torrents Abad,
Michael M. Becker, Euiyoung Park, René Hensel, and Eduard
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*corresponding author: Prof. Dr. Eduard Arzt, E-mail: eduard.arzt@leibniz-inm.de
INM – Leibniz Institute for New Materials, Campus D2 2, 66123 Saarbrücken, Germany

Indentation depth dependent adhesion of mushroom structures.

The influence of the indentation depth on the pull-off stress for mushroom structures (i.e. 180° structures) is shown in **Figure S1**. In contrast to funnel shaped structures, no dependency on the indentation depth was observed upon first contact. Thus, we chose the indentation depth for each diameter in order for the preload stress to be comparable with the preload reached for the 120° funnel structures.

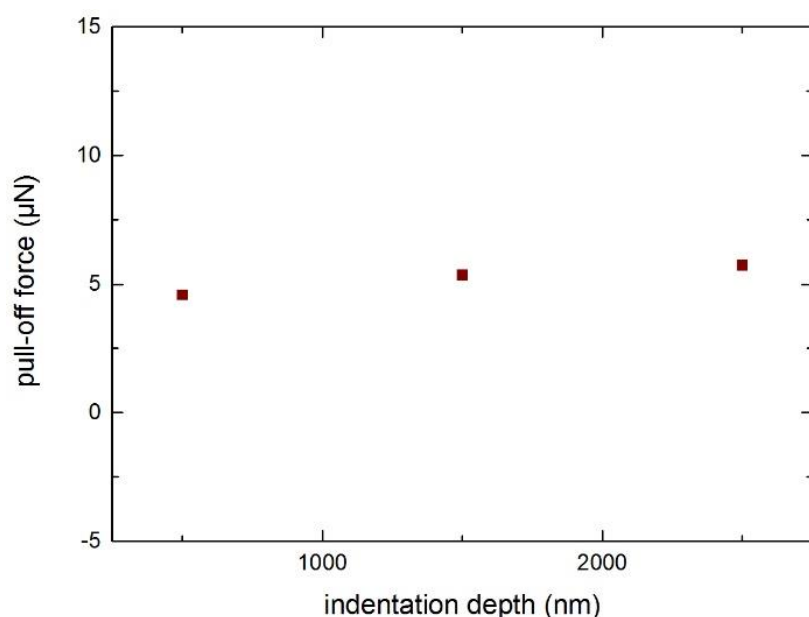


Figure S1. Pull-off force as a function of the indentation depth for PEGdma600 mushroom structures (i.e. 180° structures) with 10 µm diameter are shown.

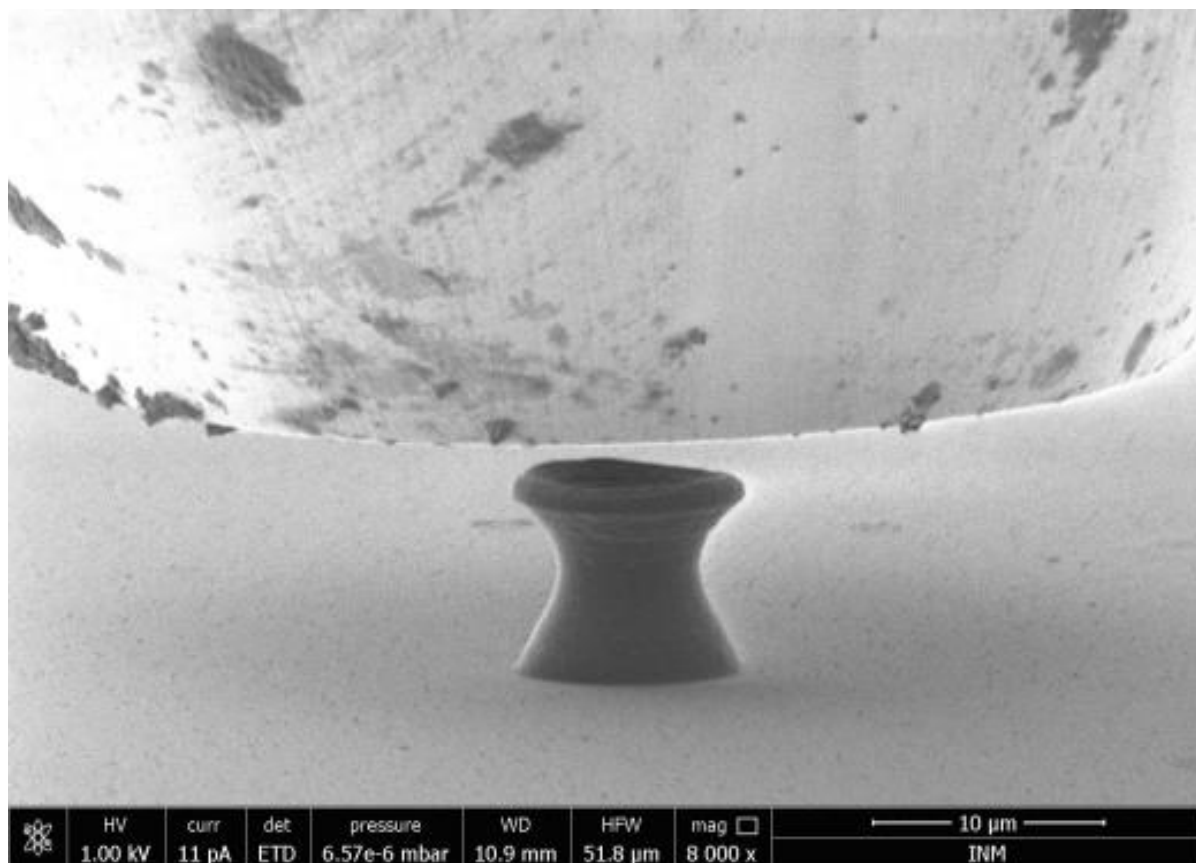


Figure S2. Still image of the video demonstrating the reversible attachment and detachment of a funnel-shaped structure inside an SEM.