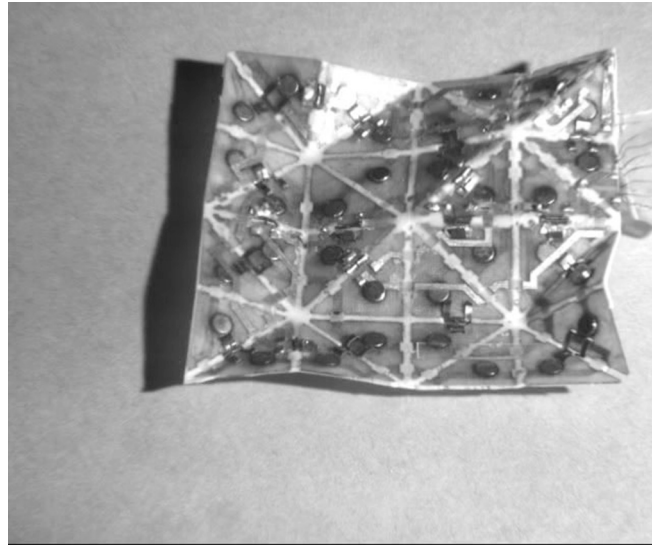


Supporting Information

Hawkes et al. 10.1073/pnas.0914069107



Movie S1. This video shows the programmable matter sheet forming two distinct shapes: a 'boat' and an 'airplane'. The design of the sheet is determined by planning algorithms which map desired shapes to the configuration of the self-folding sheet. These shapes were chosen because of the tangible nature of the resulting objects as well as the inherent complexity (e.g., required compound folds). The sheet is approximately 0.5 mm thick and contains 32 tiles.

[Movie S1 \(MPG\)](#)