



Parallelogram Pantograph Test Flexure



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updated 22. 10. 2026 | published 22. 10. 2026

Summary

Flexure mechanism to test micron fabrication systems such as RepRapMicron

[3D Printers](#) > [Test Models](#)

Tags: [flexure](#) [parallelogram](#) [pantograph](#) [reprapmicron](#)

The model has two circular test pads attached to ends of a parallelogram flexure. The intention is to use this to demonstrate a 50% reduction in motion at the centre of the mechanism when one of the pads is moved. The other end should be anchored to the substrate (UV Nail Gel is useful for this purpose).

To give an idea of scale, in the photograph of this example the test pads are 200µm (0.2mm) in diameter. Each unit in the model corresponds to 10µm when printed on the RepRapMicron. This was produced using a µRepRap fitted with a UV Head, and fabricated from eSun Standard Resin.

Model files



panto_arms_micron.stl

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