



Mini Desktop Catapult - Small Build, Big Launches!



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Summary

3D-printed mini catapult that shoots surprisingly high! Fast print, no supports, fun guaranteed.

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Tags: [toy](#) [desktop](#) [print](#) [fidget](#) [mechanical](#) [quick](#)
[catapult](#) [nosupport](#)

Model Description

The **Mini Desktop Catapult** is a simple, fun and surprisingly powerful print that turns a quick build into a flying success. It's compact, fast to print, and super satisfying to use.

Whether you're demonstrating physics, entertaining kids, or just want to launch paper balls at coworkers — this model delivers! It comes with a small ball, but you can launch almost anything light enough to fit.

⚙️ Key Features

No supports needed – fully optimized for FDM
Very short print time – under an hour in many cases

Surprisingly strong launches – flies impressively high
Comes with a ball – but you can use coins, paper, etc.
Scalable – works great at any size
One-piece design – no assembly required

Customization & Scalability

Easily scale up or down in your slicer.
The catapult performs well at different sizes — just adjust the projectile accordingly.
Great for classroom demos, desktop toys, or stress relief builds.

⚠ Technical Notes

Supports: Not needed at all

Material: PLA (TPU for a soft ball if desired)

Layer height: 0.2 mm

Infill: 15–25%

Print time: very fast — under 1 hour (mini size)

Prints in one piece or with separate ball included

The first two images were AI-generated to showcase the model in use.
The rest are real photos of the actual 3D print!

Model files



mini_catapult_body.stl



mini_catapult_projectiles.stl



mini_catapult_full_set.stl

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