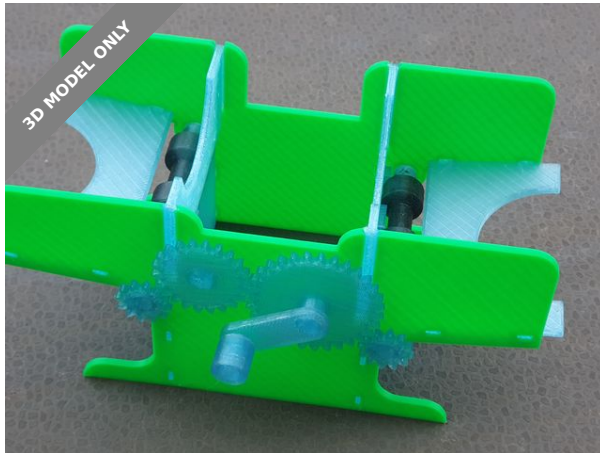




Playing Card Shuffler v3



Lukas Cenovsky

[VIEW IN BROWSER](#)

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Summary

Customizable playing card shuffler for cards 93x71mm, 125x82mm and 68x44mm. Update of my Playing Card Shuffler v2.

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Tags: [cards](#) [openscad](#) [shuffler](#)

Update 18. 4. 2023: added 68x44mm card version (print big wheel 2x - there is not middle one). I don't have small cards and confirmation it works fine - please see discussion)

Based on my year experience with my v2 model and ideas from its remixes, I have create a new version with following enhancements:

- Two card size models:
 - 93x71mm for Terraforming Mars, Archa Nova, Mandala, ...
 - 125x82mm for Dixit
- No glue needed for assembly
- It can be disassembled (I do it when travelling so the shuffler does not occupy a lot of space).
- Adjusted shafts for better card movement, raised plates a little (but not much as in some remixes because then I had issue with stuck cards in the middle).

- Card blockers have tracks to better stay in place.
- Plasti Dip variant for shaft.
- Increased stability of shuffler so cards on just one side would not flip it.
- you need <https://github.com/BelfrySCAD/BOSL2> if you want to change .scad source

Notes for printing:

- I've printed it with 0.6mm nozzle and 0.3mm layer height but it should be fine with default 0.4mm nozzle and 0.2mm layer height
- Support is needed for card blockers and handle.
- Brim is needed for shafts.
- O-ring for shaft variant are 2mm thick, outer diameter 18mm, diameter size 12mm. I use water pipe seals - e.g. <https://www.hornbach.cz/p/plastove-tesneni-k-prevlecne-matici-1-2-12x18x2/8463732/>

Notes for assembly

- See video :)
- Make sure smooth part sides (from printer bed) touch cards (especially for shuffler sides and plates) - cards need to easily slide on them.
- To set up proper card blocker position, I use small card deck and set blocker to a position where it allows just one card through.

This remix is based on



Playing Card Shuffler v2

by Lukas Cenovsky

Model files



Cards 93x71 3mf

7 files



cardshufflerv3sides_06n_03mm_pla_2h23m.3mf



cardshufflerv3wheels_06n_03mm_pla_46m.3mf



cardshufflerv3blockers_06n_03mm_pla_50m.3mf



cardshufflerv3shafts dip_06n_03mm_pla_1h16m.3mf



cardshufflerv3shafts_06n_03mm_pla_1h3m.3mf



cardshufflerv3plates dip_06n_03mm_pla_1h23m.3mf



cardshufflerv3plates_06n_03mm_pla_1h26m.3mf



Cards 93x71 stl

17 files



cardshufflerv3sidewheel.stl



cardshufflerv3blocker.stl



cardshufflerv3bottomdip.stl



cardshufflerv3plate.stl



cardshufflerv3wheelmiddle.stl



cardshufflerv3bottomleft.stl



cardshufflerv3blockerleft.stl



cardshufflerv3bottomleftdip.stl



cardshufflerv3shaft.stl



cardshufflerv3handle.stl



cardshufflerv3shafthandle.stl



cardshufflerv3bottom.stl



cardshufflerv3shaftsmall.stl



cardshufflerv3wheelbig.stl



cardshufflerv3wheelsmall.stl



cardshufflerv3shaftdip.stl



cardshufflerv3side.stl



Cards 125x82 3mf

7 files



cardshufflerv3dixitplates_06n_03mm_pla_1h59m.3mf



cardshufflerv3dixitplatesdip_06n_03mm_pla_1h57m.3mf



cardshufflerv3dixitshaftsdip_06n_03mm_pla_1h35m.3mf



cardshufflerv3dixitshafts_06n_03mm_pla_1h22m.3mf



cardshufflerv3dixitwheels_06n_03mm_pla_50m.3mf



cardshufflerv3dixitblockers_06n_03mm_pla_56m.3mf



cardshufflerv3dixitsides_06n_03mm_pla_2h40m.3mf



Cards 125x82 stl

17 files



cardshufflerv3dixitbottomdip.stl



cardshufflerv3dixitside.stl



cardshufflerv3dixitbottomleftdip.stl



cardshufflerv3dixitwheelbig.stl



cardshufflerv3dixitshaftdip.stl



cardshufflerv3dixitblocker.stl



cardshufflerv3dixitbottomleft.stl



cardshufflerv3dixitsidewheel.stl



cardshufflerv3dixitwheelmiddle.stl



cardshufflerv3dixitshafthandle.stl



cardshufflerv3dixitplate.stl



cardshufflerv3dixitshaftsmall.stl



cardshufflerv3dixitwheelsmall.stl



cardshufflerv3dixitblockerleft.stl



cardshufflerv3dixitshaft.stl



cardshufflerv3dixitbottom.stl



cardshufflerv3dixithandle.stl



Cards 68x44 3mf

7 files



cardshufflerv3smallblockers_06n_03mm_pla_44m.3mf



cardshufflerv3smallshaftsdip_06n_03mm_pla_1h2m.3mf



cardshufflerv3smallshafts_06n_03mm_pla_49m.3mf



cardshufflerv3smallwheels_06n_03mm_pla_38m.3mf



cardshufflerv3smallsides_06n_03mm_pla_1h41m.3mf

cardshufflerv3smallplates_06n_03mm_pla_53m.3mf

cardshufflerv3smallplatesdip_06n_03mm_pla_50m.3mf



Cards 68x44 stl

16 files



cardshufflerv3smallbottom.stl



cardshufflerv3smallbottomleftdip.stl



cardshufflerv3smallbottomdip.stl



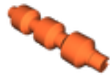
cardshufflerv3smallblockerleft.stl



cardshufflerv3smallwheelsmall.stl



cardshufflerv3smallshafthandle.stl



cardshufflerv3smallshaftdip.stl



cardshufflerv3smallplate.stl



cardshufflerv3smallshaftsmall.stl



cardshufflerv3smallbottomleft.stl



cardshufflerv3smallblocker.stl



cardshufflerv3smallshaft.stl



cardshufflerv3smallhandle.stl



cardshufflerv3smallwheelbig.stl



cardshufflerv3smallside.stl



cardshufflerv3smallsidewheel.stl

cardshufflerv3.scad

 OpenSCAD source

cardshufflerv3smallinprogress.scad

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