Mini Chess for Altoid Tin

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VIEW IN BROWSER

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Summary

This is a #3dp remix. This is a travel game. Maybe a gift. This is a cool showcase.

Toys & Games > Board Games

Tags: present game birthdaygift birthdaypresent gift fun boardgames chess altoids altoid 3dp chessboard smallfilamentusage chessset chesspieces altoidscontainer smallpresent smallcase gamegifts altoidstin hashtag3dp

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Chess Pieces

The original version wasn't very printer friendly and had too tiny details. I ran into a problem slicing some pieces resulting in missing layers. I reworked the set, made it printable, cut out the magnets and brought out the details for the mini size. In the end I printed with a 0,2 mm nozzle and 0,1 mm layer height.

Credit goes to u/phistterbut_Inc and u/tetralite:
thingi Chess pieces
thingi Chess pieces II

Board

The thingiverse version was too thick for the magnets to get a good grip and had the wrong size for the Altoid tin. This model is thinner (0,3 mm white + 0,2 mm black) and works nicely with the regular color change on any single extruder machine.

Tweezers

Kind of a gimmick, but the game is really so tiny it wouldn't be playable. I took a popular model and added cutouts for the magnets on them. Now they can sit in the lid of the chess box.

Credit goes to: thingi Tweezers

Magnets

Cylindric, silver, 4 mm x 2 mm
ali Magnets
Fix them in the prints with a drop of super glue.
amazon Loctite Super Gel

Print instructions

Printer: Prusa MK3s

Resolution: 0,1 mm
Infill: 100 %
Filament: PLA Black & White
Notes: I used a 0,2 mm nozzle for the details.
Board: Color change (Gcode: M600) between layer 2 and 3
Print slowly!

Model files

mini_chess_pawn.stl

mini_chess_queen.stl

mini_chess_wo_magnets.3mf

mini_chess_tweezers.stl

mini_chess_board.stl

mini_chess_knight.stl

mini_chess_set.stl

mini_chess_bishop.stl

mini_chess_rook.stl

mini_chess_wo_magnets.stl

mini_chess_king.stl

Find source .stl files on Thingiverse.com

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