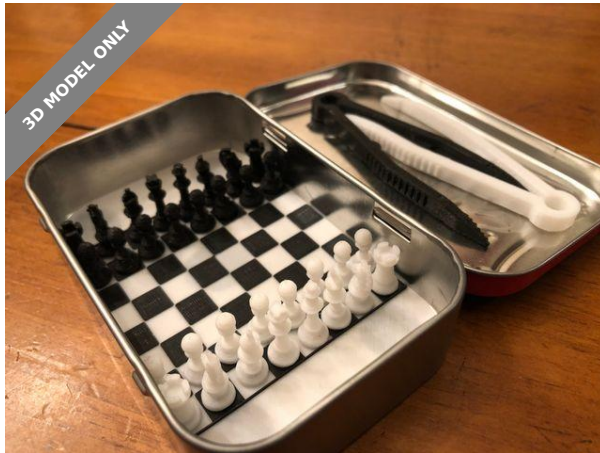




## Mini Chess for Altoid Tin



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### Summary

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

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**This is a #3dp remix. This is a travel game. Maybe a gift. This is a cool showcase. For this you need to be able to print teeny tiny.**

### 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

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**mini\_chess\_queen.stl**

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**mini\_chess\_wo\_magnets.3mf**

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**mini\_chess\_tweezers.stl**

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**mini\_chess\_board.stl**

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**mini\_chess\_knight.stl**

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**mini\_chess\_set.stl**

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**mini\_chess\_bishop.stl**

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**mini\_chess\_rook.stl**

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**mini\_chess\_wo\_magnets.stl**

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**mini\_chess\_king.stl**

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