



Low Poly Astronaut Puzzle



Manabun Lab

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Summary

Create a Multicolor Puzzle with a Single-Color Printer!

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●Create a Multicolor Puzzle with a Single-Color Printer!

By using 5x2mm magnets, adhesive, and this puzzle data, you can create a colorful puzzle without the need for supports (we recommend adding a brim). By printing the color-coded parts with different filament colors, you can achieve a stunning multicolor effect.

The puzzle fun begins with attaching neodymium magnets to each piece. Once completed, challenge your family and friends to solve it! After the fun, it makes a perfect decorative piece for your room.

If you prefer, you can also glue the pieces together directly without magnets to enjoy it as a figurine.

As a bonus, we have also included a model with the puzzle pieces fused together.

●Excited! Enjoy a larger puzzle by enlarging it!

By enlarging the print to 155%, you can create a big puzzle using 8x3mm magnets! The larger size makes it easier for small children to play with and provides great satisfaction.

For more details, please watch this video: <https://youtu.be/y-1LrwWMIUI>

●Things to prepare

(1) super glue.

(2) 34 pieces of 5x2mm magnets.

Magnets can be purchased on Amazon or AliExpress.

I bought mine from here: https://s.click.aliexpress.com/e/_ooTqNVy

Alternatively, you can also purchase them from Bambu Lab with the model number CA-003: <https://store.bambulab.com/products/round-magnet>

When printing at 155%, please prepare 8x3mm magnets.

●How to make

(1) Please print the following files: "Astronaut_Body_color.stl", "Astronaut_face_shield_color.stl", "Astronaut_hands_feet_color.stl", "Astronaut_Ring_color.stl". I recommend adding a brim. No support is needed.

3D PRINTING SETTINGS

Supports----None

Material----PLA,ABS,PETG

Nozzle-----0.4mm

Layer-----0.2mm

walls-----2

Infill-----15%

You can enjoy the combination of colors by printing in multiple colors. The print data is set to the optimal orientation, so please print as is. Individual piece data is also included, and you can print only your favorite parts by comparing it with the file name in the image.

(2) Glue the magnets into the hexagonal holes. (The hole is made hexagonal to prevent the glue from overflowing.) Be careful with the orientation of the magnets, the holes are designed to be loose, so be sure to glue them firmly.

(3) Have fun!

Model files



astronaut_face_shield_color.stl



astronaut_hands_feet_color.stl



astronaut_ring_color.stl



astronaut_body_color.stl



astronaut_figure.stl

Other files



low_poly_astronaut_puzzle_image.pdf



astronaut_pieces.zip

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