



Mood Mate (XYZ Calibration - Print-in-place cube alternative + mood changer!)

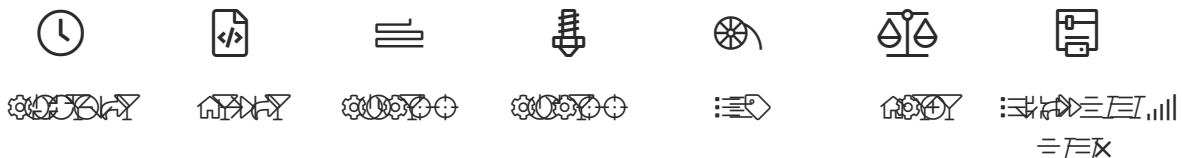
 GlennovitS 3D

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Summary

A small calibration print with built in mood selector - for the moods you come across when 3D printing!



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Tags: toy print small space test robot face cute fast suit benchmark calibration benchy ftdget mechanism first printinplace easy ftdgetspinner quick calibrationcube cali kawaii adhd faces mate astronaut pip add mood stress depression anxiety selection kenji

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XYZ cubes can be boring - but this little Mood Mate can help you calibrate and test your printer too! And you can select your mood afterwards. When printed multiple times, you can even stack them at your desk as small companions. Enjoy!

Overview

This little space astronaut helps you calibrate your printer! There are small details and sharp corners, circular areas and of course the XYZ letters on his space suit. And then of course the print-in-place mechanism that lets you change his face/mood afterwards as a reward for a successful print!

For now there are 2 versions with 4 faces each! Just print and rotate at the bottom to change mood. (When printed nicely, it's almost fidgety..!) The moods are well known for everyone with a 3D printer.

Emotions

The models include the following faces:

Faces 1

- Happy - "I just did a nice print!" (male)
- In love - "I just love my new printer!"
- Sad - "What is wrong with all that stringing..."
- Angry - "That's it - no more printing today with all those mistakes!..."



Faces 2

- Playfull/winking - "That was a fun print - let's do another one!"
- Paralyzed - "I simply cant find the problem with this printer... I should get a Prusa!.." #notsponsored ;-)
- Happy - "Awesome print!" (female)

- Confused - **"What's up with poor bed adhesion? Maybe another buildplate?"**

Which emotions are missing? - let me know in the comments!

Print instructions

This should be printed with your main print profile to test it out.

Here are a few tips

- Speed on 1st layer: **50% (or less) (To ensure good bed adhesion take your time here!)**
- Perimeters: **1 - nothing more is needed**
- Infill: **0% - cuts down print time.**
- Supports: **NO supports - that would prevent you from spinning the faces afterwards.**
- Nozzle: **Should work with 0.4 and 0.6 mm - haven't got a 0.8 to test.**



If the internal part seems stuck when taken off the buildplate, try to twist it back and forth until it breaks free - potentially with a small pair of pliers. It might also be because of bad accuracy on the printer. In that case you can scale the model up - this should make it easier to print it successfully.

I hope you'll enjoy this model and share your finished prints as makes! And if anyone with MMU or other multimaterial setups does one in multiple colors - I would love to see it!!

Happy printing!

Pro Tip

If you want to give your bestMood Mate a

little castle/tower **to stand on** -
try to print this model too! It fits
perfectly on the small one - but if
you think he deserves it - print the
bigger one :-)

[https://www.printables.com/
model/435336-etb-expandable-
tower-box-multiple-sizes-available](https://www.printables.com/model/435336-etb-expandable-tower-box-multiple-sizes-available)



Model files



mood-mate-spacesuit-faces-1.stl



mood-mate-spacesuit-faces-2.stl

Print files



spacesuit-faces-1_46m_11gr_06.gcode

% PLA (0.60 mm # 0.20 mm ⌚ 0.77 hrs ⚖ 10 g ! Prusa MINI / MINI+

☐ Example for time estimate on printables.com. Printet with 1 perimeter og 0% infill.

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