Motorised heavy duty rotating platform

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VIEW IN BROWSER

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Summary

Motorised rotating platform for photography, video and etc

Gadgets > Photo & Video

Tags: motor stand rotating platform

Stable rotating platform if you need one(tugboat from example - 4kg)

No soldering required - designed from Bambu parts(motor,board, potenciometr because that was what I had from another project) and 3 or 6 x 608 bearings as wheels for smooth ride, but you can use printed ones, they will be fine for this application.

10mm holes in the top plate if you need to print/design any accessories

https://www.youtube.com/watch?v=7FF-1daM5QI

Changelog:

15.09.2026 - added cover_v2 with dedicated power cord zip tie anchor point

BOM:

3 or 6pc 608 bearing

Power distribution board

On/Off switch

Potenciometr

N20 Motor

Self tapping screws 2x8

Zip tie

USB power source (old phone usb charger, power bank or just laptop or pc) and maybe USB extension cable if you need one

Printing:

Supports: just for base

Tested with PETG, 0.2 layer, 4 walls, 5 top and bottom layers, 20% gyroid infill, use 6 walls for screw

Assembly:

Pull USB cable through the cover(it's tight fit, you will have to push it in) and secure it inside with zip tie around the anchor point between screw holes

Connect it to the input of power distribution board, prepare wires for motor, on/off switch and potenciometr and connect them to the board in this order

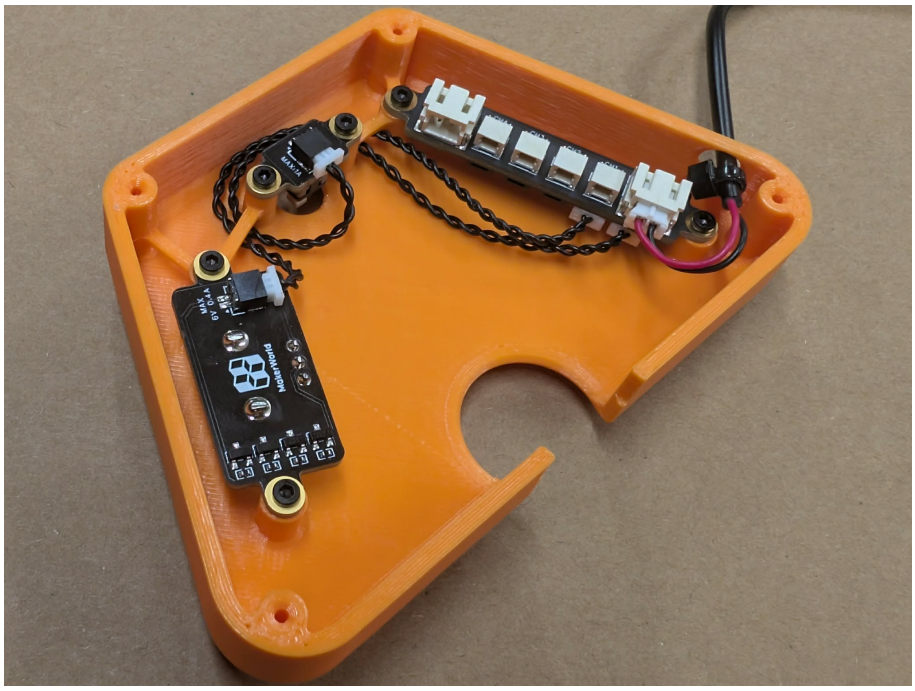
SW0 - on/off switch

SW1 - potenciometr

CH1 - motor

You can tidy the wires before you connect them

Secure the boards with 2mm screws. Push the gear on the motor, connect it and install to the base, then attach the cover with 4 screws from the bottom.



Install bearings to the middle carriage and use clips to secure them. Screw platform to the base with bearing ring in the middle.

Add on/off switch button and potenciometr knob.

Troubleshooting:

You can move motor a little in and out if you have troubles with gear alignment.

Do you like what we do ? Give us download and like. We burn a lot of plastic in prototypes so you don't have too. Thx :)

This remix is based on

Heavy Duty rotating platform for painting / photography / etc

by Dantak

Model files

platform.stl

cover_v2.stl

gear.stl

motor_mount.stl

6_wheel-v2.stl

3_wheel-v2.stl

base_smallprinter.stl

base.stl

bearing_clip.stl

central_bolt_v2.stl

knob.stl

onoff.stl

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