

Rotating table for 3D scanning

 **MonkeyMK**

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Summary

Rotating table for 3D scanning. All the pieces are printable.



12.96 hrs



13 pcs



0.25 mm



0.40 mm



PLA
PET



215 g



Prusa MINI /
MINI+

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Tags: [table](#) [turning](#) [scanner](#) [scanning](#)

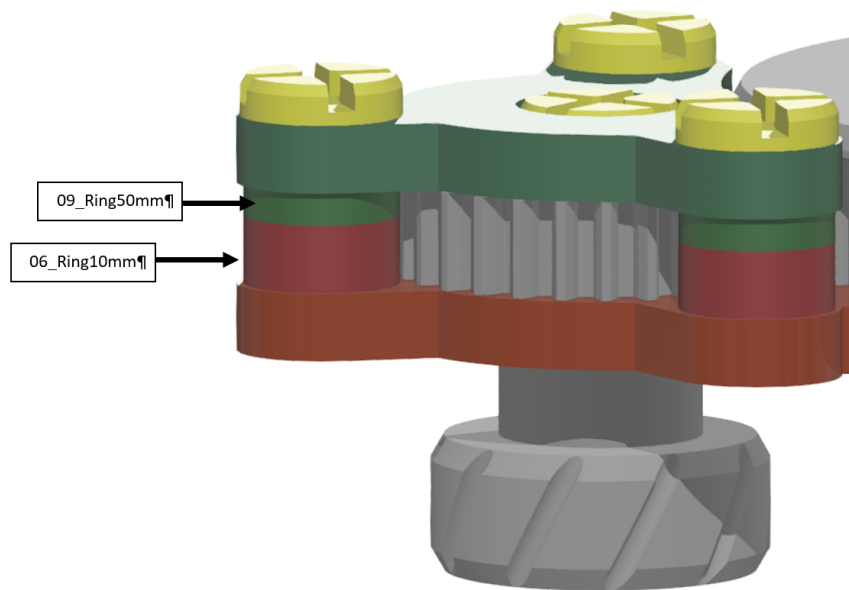
All the pieces are printable. I print all part in PLA except for the screw that are printed in PETG. No support are needed except for the cross in the head of the screw.

You will need to print 4 "04_Screw". But i suggest to print only one and test if it will work with the other pieces. If it doesn't work, i uploaded a model with less interference. You can use the screwdriver for screw the screw.

Screwdriver for the 3D screw

<https://www.printables.com/it/model/609400-screwdriver-with-bit-for-3d-screw>

The “02_IngCond” must be free to rotate, but must be hold in is position.



Between the “03_Base” and the “05_Blocker” you shall insert rings to act as a thickness.

The “06_Ring10mm” (10mm) and the “09_Ring50mm” (5mm). If The “02_IngCond” can't rotate, you shall replace the “09_Ring50mm” with the “11_Ring51mm” (5.1mm). If it's too loose try the “08_Ring49mm” (4.9mm) or “10_Ring48mm” (4.8mm).

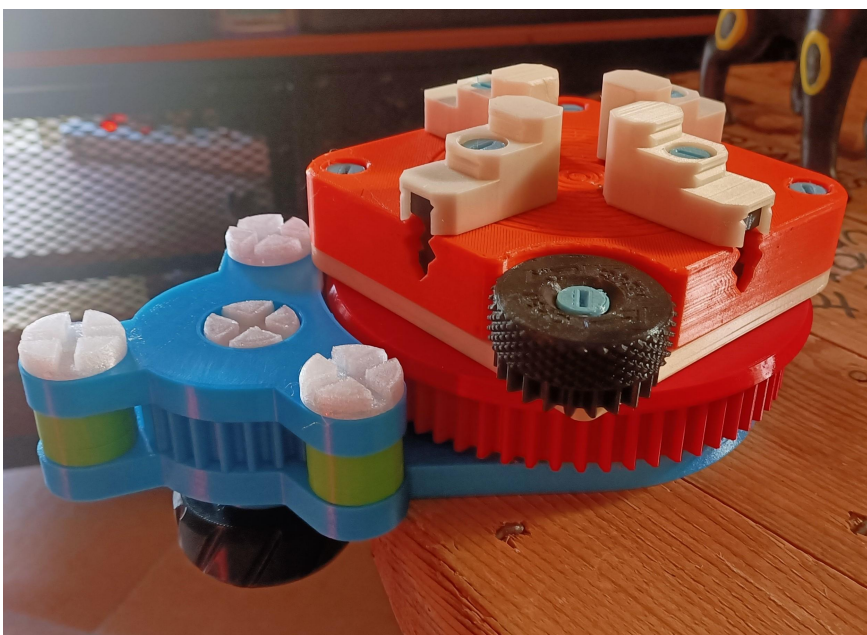
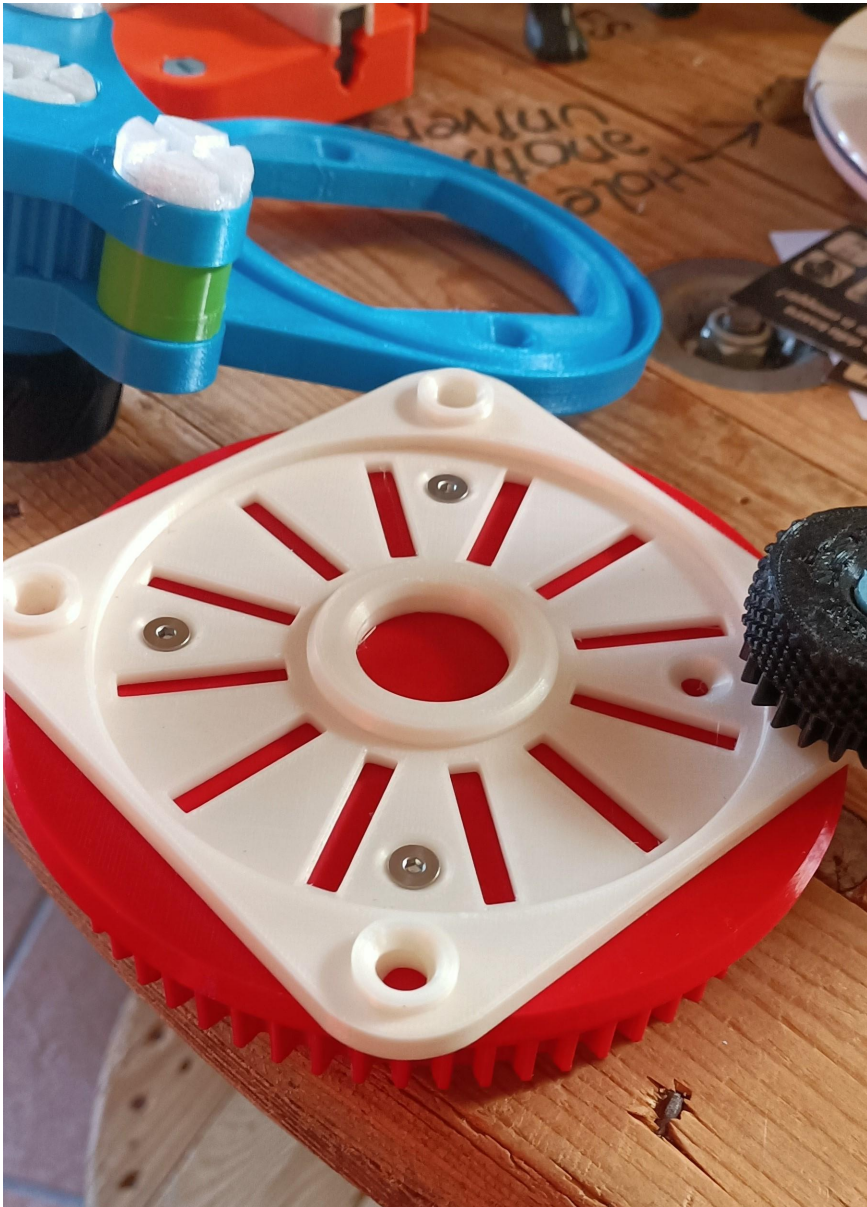
Under the “01_IngBase”, on the base, there are two holes for countersunk screw M6, you can use this to fix the device on the table.



To hold the pieces properly, can be mounted on the plate a spindle/vice:

<https://www.printables.com/it/model/281912-bench-mountable-4-jaw-3-jaw-2-jaw-vice-with-swappa>

to screw this vice on the plate, you should place 4 Hex nut M4 under the “01_IngBase”.



Model files



Lower Interference

1 file



04_screw_lowinterference.stl



Ring

5 files



08_ring49mm.stl



09_ring50mm.stl



10_ring48mm.stl



11_ring51mm.stl



12_ring53mm.stl



02_ingcond.stl



03_base.stl



04_screw.stl



05_blocker.stl



06_ring10mm.stl



07_handle.stl



01_ingbase.stl

Print files



Ring

5 files



08_ring49mm_04n_025mm_pla_mini_14m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.25 mm ⌚ 0.24 hrs ⚖️ 3 g 🖨️ Prusa MINI / MINI+



09_ring50mm_04n_025mm_pla_mini_15m.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.25 mm ⌚ 0.24 hrs ⚖️ 3 g 🖨️ Prusa MINI / MINI+



10_ring48mm_04n_025mm_pla_mini_15m.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.25 mm ⌚ 0.24 hrs ⚖️ 3 g 🖨️ Prusa MINI / MINI+



11_ring51mm_04n_025mm_pla_mini_15m.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.25 mm ⌚ 0.25 hrs ⚖️ 3 g 🖨️ Prusa MINI / MINI+



12_ring53mm_04n_025mm_pla_mini_15m.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.25 mm ⌚ 0.25 hrs ⚖️ 3 g 🖨️ Prusa MINI / MINI+



01_ingbase_04n_025mm_pla_mini_4h45m.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.25 mm ⌚ 4.75 hrs ⚖️ 95 g 🖨️ Prusa MINI / MINI+



02_ingcond_04n_025mm_pla_mini_1h28m.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.25 mm ⌚ 1.47 hrs ⚖️ 21 g 🖨️ Prusa MINI / MINI+



03_base_04n_025mm_pla_mini_2h33m.gcode

🌀 PLA 📏 0.40 mm ⚖️ 0.25 mm ⌚ 2.55 hrs ⚖️ 44 g 🖨️ Prusa MINI / MINI+



04_screw_04n_025mm_petg_mini_1h18m.gcode

🌀 PET 📏 0.40 mm ⚖️ 0.25 mm ⌚ 1.31 hrs ⚖️ 15 g 🖨️ Prusa MINI / MINI+



04_screw_04n_025mm_petg_mini_42m.gcode

🌀 PET 📏 0.40 mm ⚖️ 0.25 mm ⌚ 0.70 hrs ⚖️ 5 g 🖨️ Prusa MINI / MINI+



05_blocker_04n_025mm_pla_mini_54m.gcode

PLA 0.40 mm 0.25 mm 0.89 hrs 15 g Prusa MINI / MINI+



06_ring10mm_04n_025mm_pla_mini_26m.gcode

PLA 0.40 mm 0.25 mm 0.43 hrs 6 g Prusa MINI / MINI+



07_handle_04n_025mm_pla_mini_52m.gcode

PLA 0.40 mm 0.25 mm 0.86 hrs 14 g Prusa MINI / MINI+

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