Miniatures Spraying Turntable

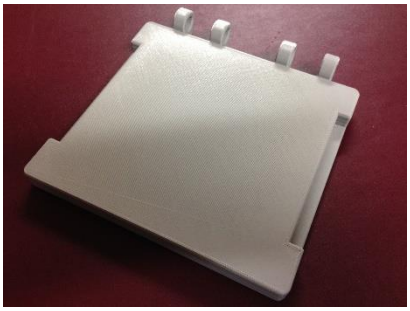
Assembly Instructions

Printing Tips

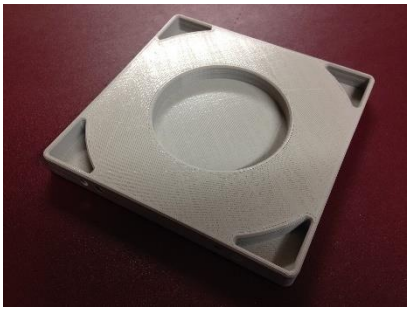
For most items I used 20% fill, 6 full bottom layers, 6 full top layers & 0.15mm layers

Exceptions; Hinge Nut, Hinge Screw, Joint Plug, Modified Joint Plug & the Angle Support Pin: - 100% fill & 0.1mm layers

List of Components required



Baseplate; Qty 1



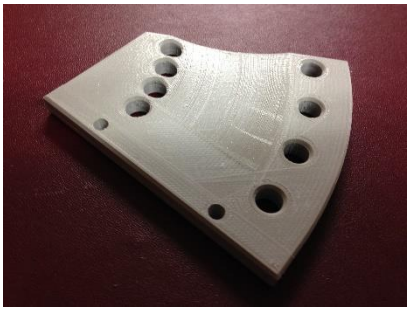
Angle Plate; Qty 1



Angle Plate Hinge; Qty 2



Hinge Nut; Qty 2 & Hinge Bolt Qty 2



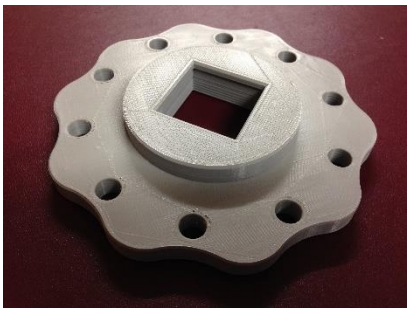
Angle support; Qty 1 Left & 1 Right (opposite hand not shown)



Angle Support Pins; Qty 4



Foot; Qty 3



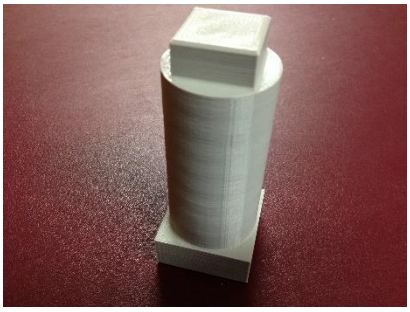
Main Turn Wheel; Qty 1



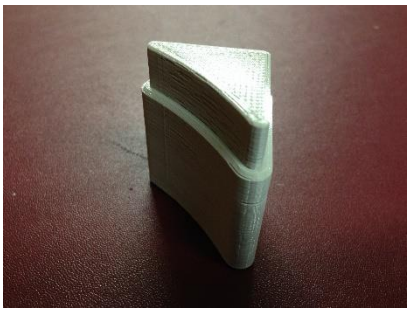
Sub Turn Wheel; Qty 10



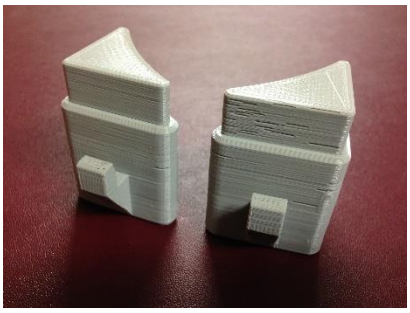
Sub Spline; Qty 10



Main Spline; Qty 1



Main Support; Qty 6



Hooked Support; Qty 1 Left & 1 Right



Sub Plate; Qty 1



Main Turntable; Qty 1



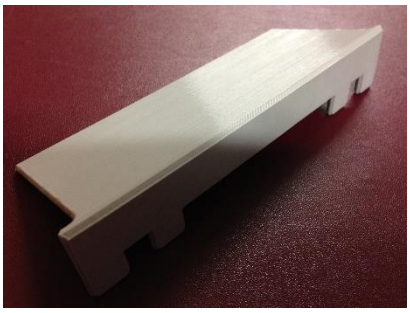
Sub Turn Tables (30mm); Qty 10



Sub Turn Table (50mm); Qty 5



Turntable Plug; Qty 10



Paint Guard; Qty 1



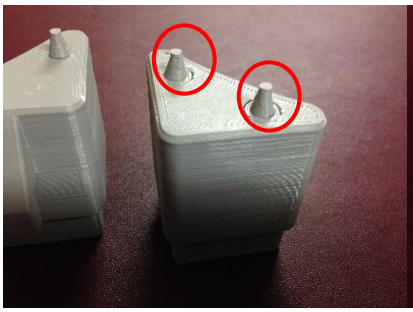
Joint Plug; Qty 17



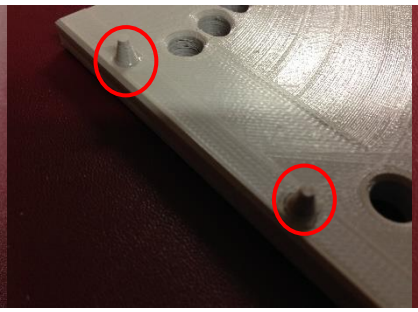
Modified Joint Plug; Qty 2

Step by Step Instructions

1. Glue Joint plugs into the following items.



4 x Main Supports

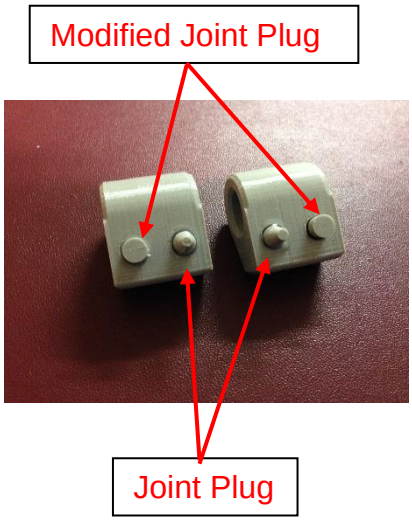


Left & Right Angle Supports

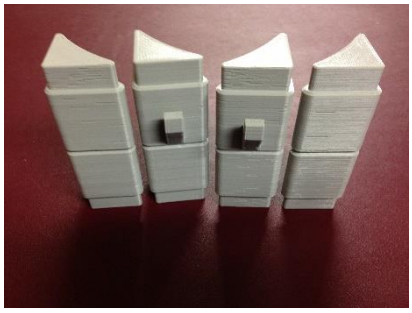


3 x Foot

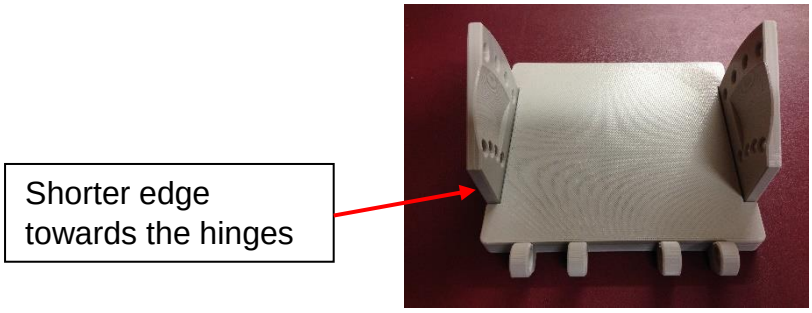
2. Glue 1 Joint plug & 1 Modified Joint Plug to each of the Angle Plate Hinges. Make sure that you create opposites (e.g. on one Angle Plate Hinge the Modified Joint Plug is on the left & on the other it is on the right.)



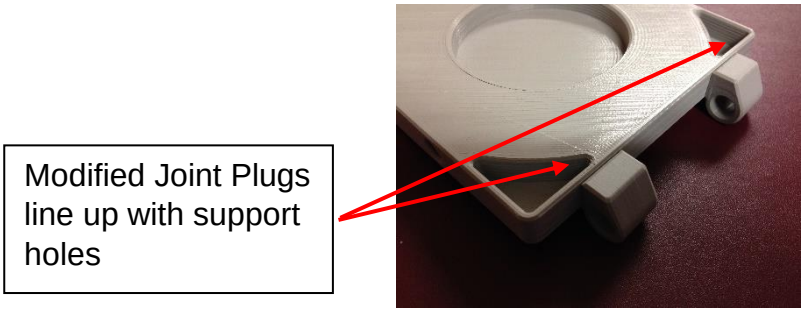
3. Glue Main Supports together to make 4 columns, making sure the Hooked Supports are on separate columns.



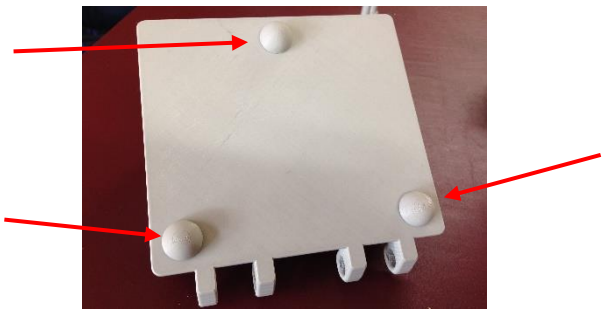
4. Glue Angle Supports onto the Angle Plate. The Scallop sections go inwards as relief for the Main Turn Wheel. The shorter end of the Angle Supports go towards the back edge where the hinges are.



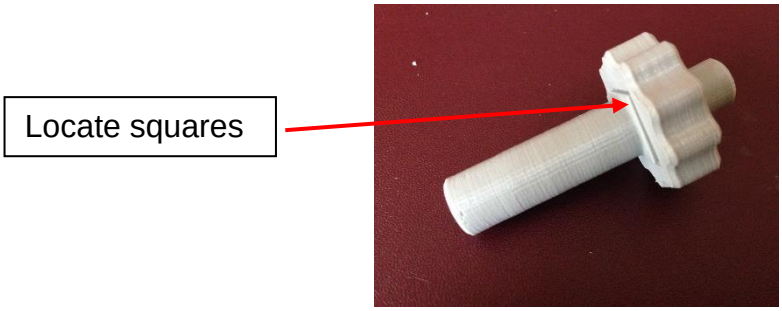
5. Glue the Angle Plate Hinges onto the Angle Plate. The Modified Joint Plugs line up in the holes that break into the support holes.



6. Glue the 3 feet into position on the Base Plate.

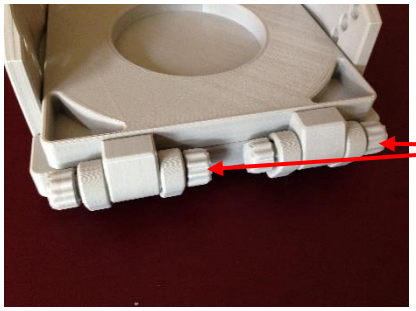


7. Glue the Sub Splines into the Sub Turn Wheels. Locate in the square.



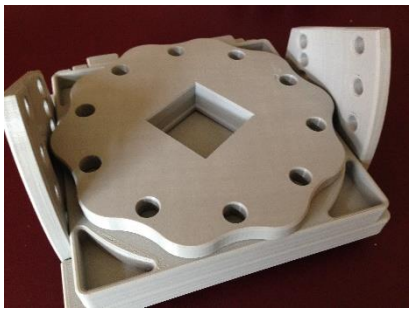
End of Gluing/ No More Gluing From This Point Forward

8. Locate Angle Plate in position by aligning the Angle Plate Hinges between the corresponding hinge holes on the Base Plate. Use the Hinge Nuts & Hinge Bolts to hold it together.

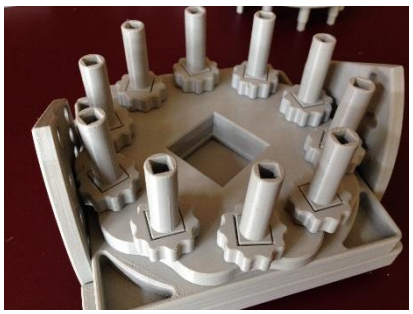


Screwing the Hinge Nut & the Hinge Bolt together within the holes of the hinges locks the Base Plate & the Angle Plate together & allows rotation of assembly

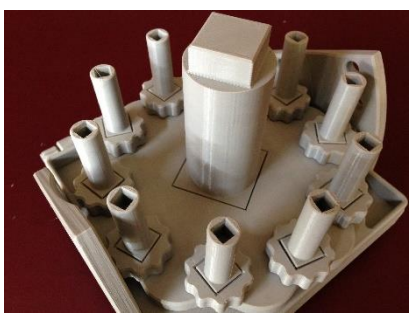
9. Place on the Main Turn Wheel



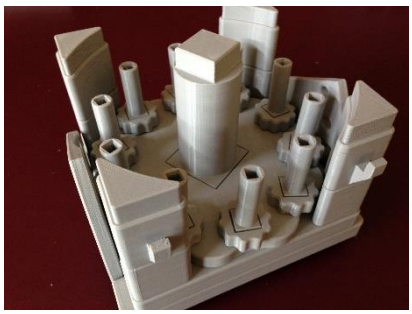
10. Place the Sub Turn Wheels (& the Sub Splines which are glued to them) into the holes on the Main Turn Wheel



11. Place the Main Spline into the Square hole in the Main Turn Wheel.



12. Locate the Main Supports into the shaped slots on the Angle Plate. Make sure the 2 Hooked Supports are facing the front & are the top sections of each of their supports.

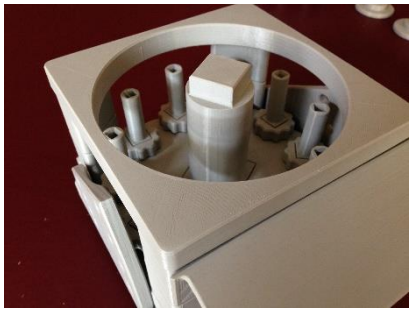


13. Locate the Paint Guard onto the hook forms on the Main Supports





14. Locate & place the Sub Plate by locating the formed slots in it onto the Main Supports



15. Locate & place the Main Turntable onto the Main Spline. Line up the holes in the turntable with the Sub Splines below. If the holes don't line up with the splines then remove the Main Turntable from the Main Spline, turn it 90 degrees & then relocate it on the Main Spline.



The Main Assembly is now complete

Setting up the Turntable for spraying miniatures

There are 3 main configurations of the table dependant on your requirements at the time.

1. For spraying models with 30mm or less base diameter; Load in the 10 Sub Turntables (30mm). Locating the square end into the square in the top of the Sub Splines.



Table loaded with 10 Sub Turntables (30mm)



Ready for spraying miniatures

2. For spraying models with a base diameter between 30mm & 50mm; Load in the following
    a. 5 Turntable Plugs. These do not have a square for locating, but have a stem to make them easier to push out
    b. 5 Sub Turntables (50mm). Locating the square end into the square in the top of the Sub Splines.



Table loaded with 5 Sub Turntables (50mm)

& 5 Turntable Plugs



Ready for spraying miniatures

3. For spraying models with bases over 50mm diameter; Load 10 Turntable Plugs. These do not have a square for locating, but have a stem to make them easier to push out

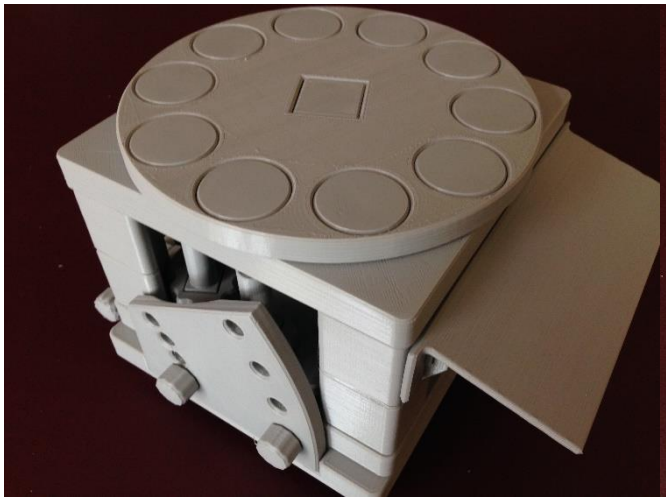
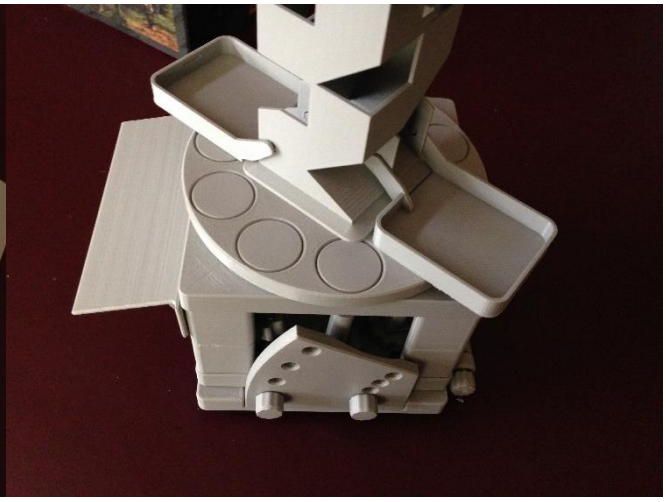


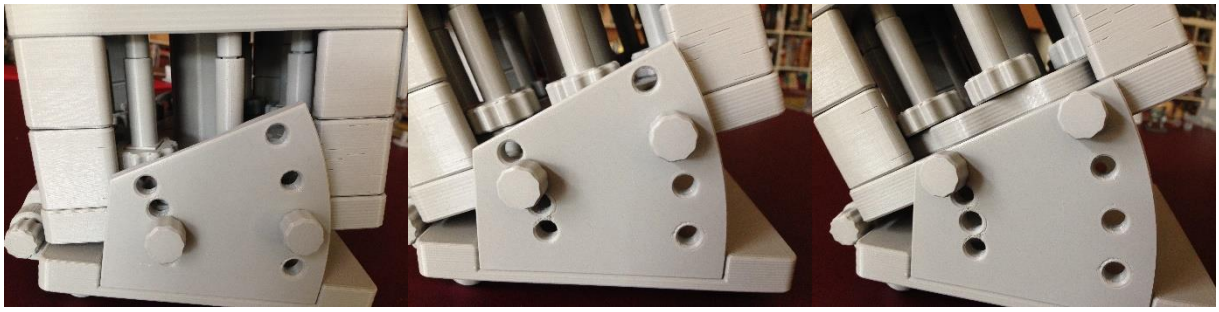
Table loaded with 10 Turntable Plugs



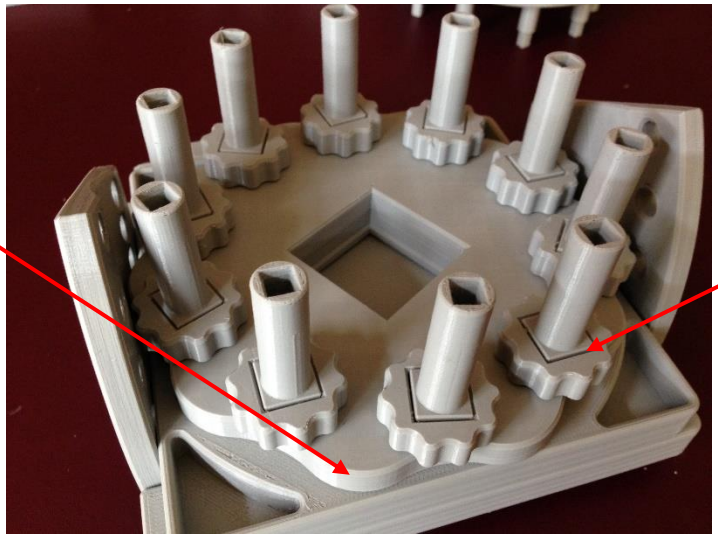
Ready for spraying whatever you want

Spraying tips

- Attach models to the turntables with Blu Tack or similar
- Spray across the top of the Paint Guard at the one model in the front position. The guard is there to protect the main working & the hand you are using to turn the models.
- Your free hand can be turning the Sub Turn Wheel under the guard to spin the model around whilst spraying
- There are always some areas of the model that are harder to get to. This is where the Angle Plate comes in. Remove the 4 Angle Support Pins & rotate the turntable assembly through either 10°, 20° or 30° & then fit the Angle Support Pins back through the Angle Supports & back into the holes in the side of the Angle Plate. This holds the assembly firm when rotating.



10° 20° 30°



The Main Turn Wheel turns the Main Turntable

The 10 Sub Turn Wheels turns the 10 Sub Turntables