Medium Pro Table Top Model Airplane Stand V2

Thank you for purchasing the Medium Pro Table Top model airplane stand. Your stand was designed by modelers just like you looking for an economical and versatile stand to make it easier to work on and protect model aircraft on the workbench and at the field. We hope you enjoy your stand and find many uses for it. If you have any questions please contact us. The Medium Pro Table Top stand kit includes all the wood and hardware for one complete stand. Check over the parts and hardware before you start your build. If there are any damaged pieces or missing hardware please contact us before beginning the assembly process. Note this is Version 2 of the Medium Pro stand. If you have an earlier version please visit our website for the correct manual.

The following is included in the kit:

- 1 9mm x 8" x 18.75" 7 ply Plywood (Sheet 1)
- 1 9mm x 6.875" x 14.875" 7 ply Plywood (Sheet 2)
- 1 9mm x 6.875" x 14.875" 7 ply Plywood (Sheet 3)
- 1 9mm x 8" x 11" 7 ply Plywood (Sheet 4)
- 4 1/4" x 1" Carriage Bolts
- 4 1/4" x 1 1/2" Carriage Bolts
- 4 1/4" x 2 1/2" Carriage Bolts
- 12 1/4 - 20 Nuts
- 4 10-24 x 1½" Round Head Bolts
- 2 10-24 Nuts
- 2 10-24 Nylon Lock Nuts

You will need the following to assemble the kit:

- Heavy Duty Razor for removing wood parts
- Sandpaper
- 5 Minute Epoxy, Wood Glue or CA Glue
- 3/8" wrench

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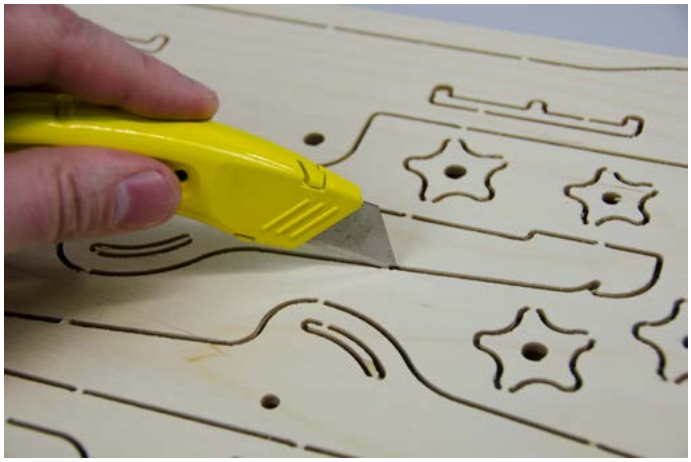
The assembly is very simple and requires just a few tools. The plywood parts are held in place on the sheets by small tabs left in the wood. These will need to be cut free and it's easiest using a heavier razor blade with a handle. There are a few steps requiring the use of glue. Each builder will have their preference on what glue to use. We recommend using Epoxy, Wood Glue or CA. The CA is faster but can create a brittle joint in some cases while the Epoxy and wood glue will create a stronger bond but take more time. Choose what works best for you. Most people prefer to leave the wood natural but if you prefer you can stain the wood for a unique look and some added protection. We don't recommend paint as the parts fit is tight and a layer of paint may cause the stand to bind and not work properly. When fully assembled the stand is a great tool for your workbench and at the field! Let's get started!

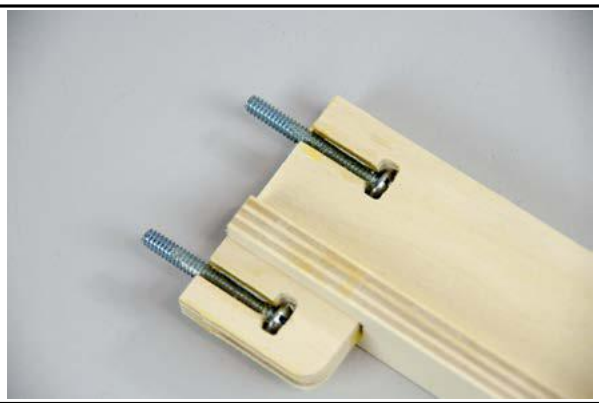
1) Start by cutting out all the plywood pieces using a heavy duty razor blade such as a box cutter. Try to cut the tabs off cleanly to minimize the amount of sanding required.



2) Sand down any tab pieces left on the parts. Make sure any internal slots are clean to allow smooth movement of the bolts through the slotted areas.

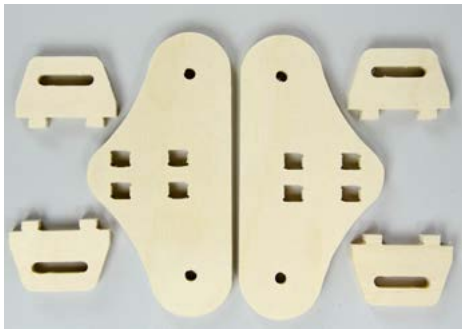
3) Locate the center base piece and the center lower support piece. Apply your choice of glue to the mating surfaces and press them together so they sit tight. Clean up any glue squeeze out and set this aside until the glue is set.

4) Locate the 4 - 10/24 x 1 1/2” bolts. We recommend using epoxy to set these in place. Apply some glue into the open slot and then place the bolts into the slots with the round head sitting in the square holes. Check to make sure the bolts are straight out the end. Fill the slots on top with some extra epoxy and set it aside until the glue is set up or dry.



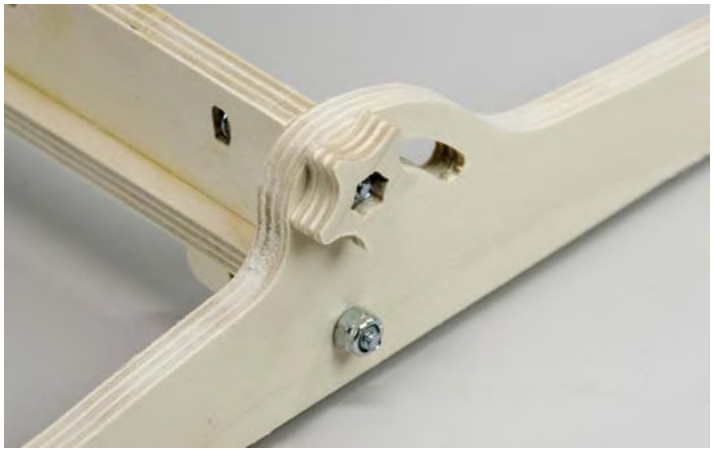
5) Locate the upper arm pieces and slide brace pieces. Place a bead of glue on the arm between the tabs and place the pieces together. Make sure they fit tight with no gap between the pieces. Set them aside till the glue is set.

6) Locate the knuckle pieces and the cradle base pieces. Apply a bead of glue to each knuckle and press them into the cradle base. Make sure they are sitting perpendicular and set them aside until the glue is set.



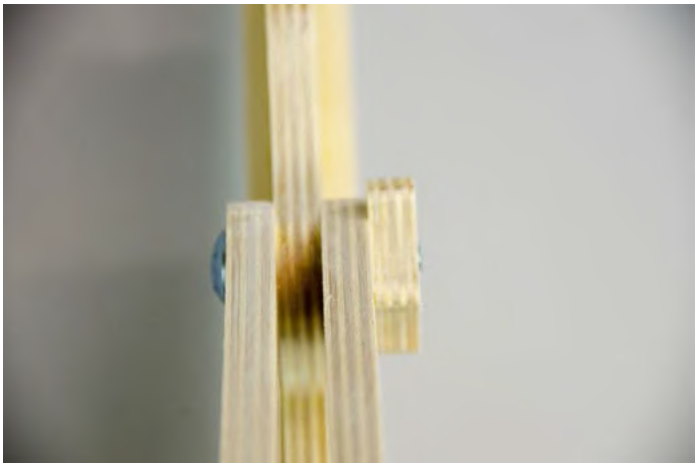
7) Locate the two base leg pieces and slide them onto the 10/24 bolt ends on the center base piece. On the lower bolt use the 10/24 nylon locknut to secure the leg to the base. Use a 3/8” socket to tighten the locknut down. Only tighten this nut so that there is no play in the base leg but that the center base can still rotate. For the top bolt place a 10-24 nut into a plywood star knob and tighten it down to hold the base in place.

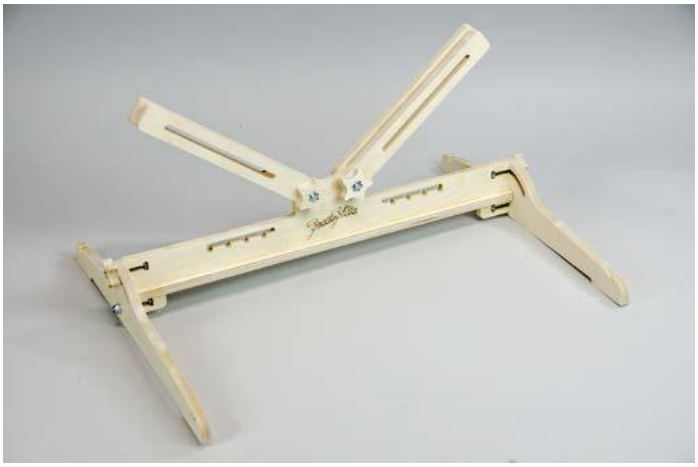
Repeat this step for the other side.



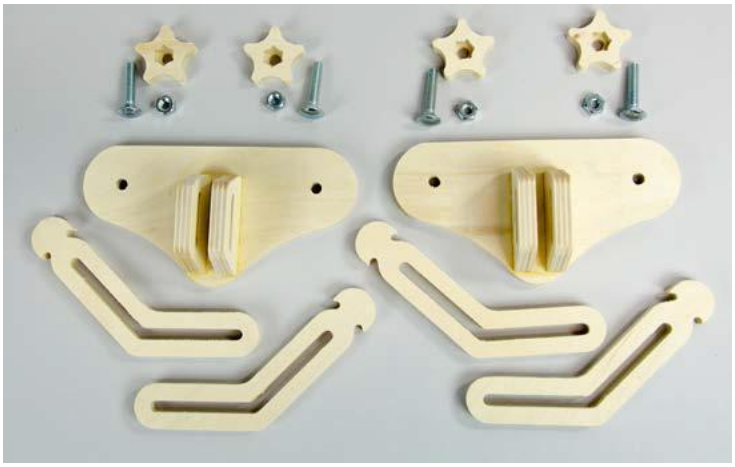
8) Locate the lower arm pieces, two 1 1/2” carriage bolts, two star knobs and two 1/4-20” nuts.

9) Place the 1 1/2” Carriage bolt through the hole in one arm then slide the bolt through the center base piece. Slide the second lower arm piece onto the bolt then secure it in place with a star knob and 1/4-20 bolt. Be sure to draw the carriage bolt into the first lower arm piece. Repeat for the other side.



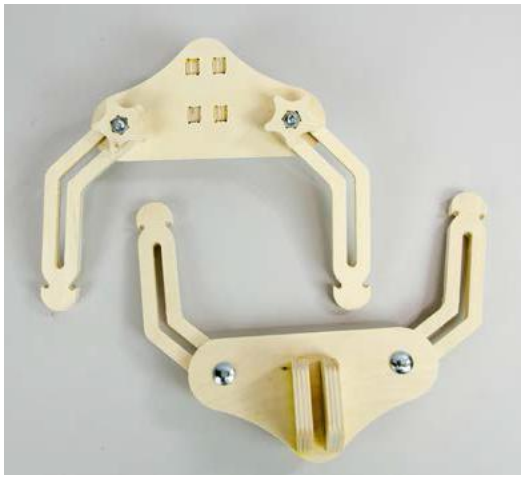


10) Locate the center cradle pieces, cradle arms, 1” Carriage bolts, 1/4-20 nuts and star knobs.



11) Slide the carriage bolts in from the side with the knuckle pieces. Place the cradle arms onto the bolts on the opposite side then secure them in place with the 1/4-20 nuts and star knobs.

Repeat this for the second cradle assembly.



12) Locate the completed cradle assembly and locate the upper arm assembly as well as a 1 1/2" Carriage Bolt, 1/4-20 nut and star knob.

13) Attach the cradle assembly to the upper arm using the 1 1/2" Carriage bolt through the knuckle pieces and secure it with a 1/4-20 nut and star knob.

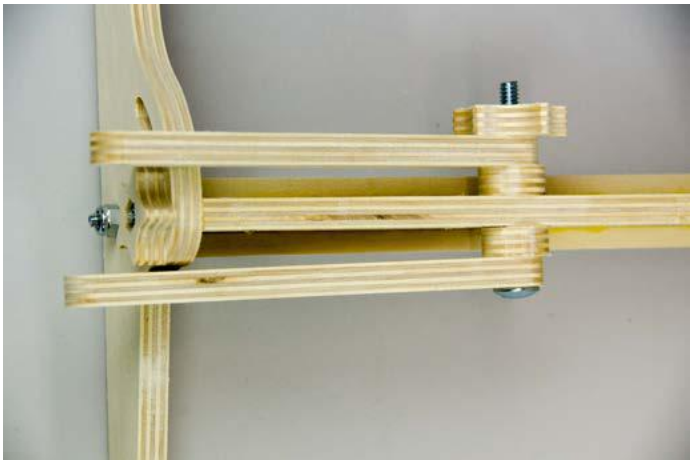
Repeat this for the second side.

14) Slide the upper arm and cradle assembly into the slot between the lower arms. Make sure it can move smoothly. If it is too tight lightly sand the pieces so that it can move smoothly but is not too loose.

15) Locate the four plywood arm supports, four 2 1/2" carriage bolts, four 1/4-20 nuts star knobs and plywood spacers.

16) Slide one support piece onto the carriage bolt followed by a plywood spacer. Slide this through the center base piece. Add a spacer then the second support piece and secure it with a 1/4-20 nut and star knob. Be sure to draw the carriage bolt into the first plywood support piece.

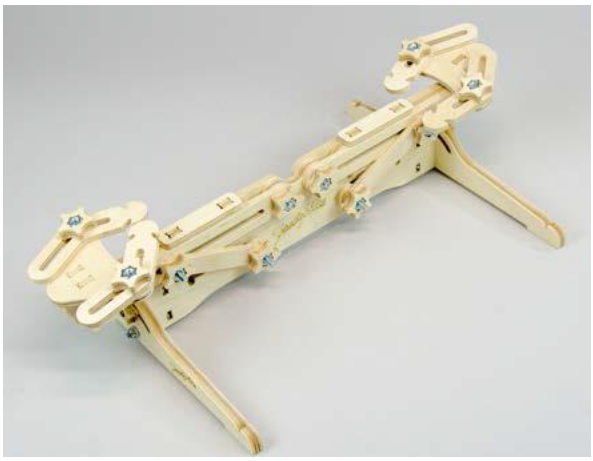
Repeat this for the second side of the stand.



17) Align the support pieces with the slot in the lower arm pieces. Slide a 2 1/2" carriage bolt through the support pieces and the lower arm assembly. Secure it in place using a 1/4-20 nut and star knob.

Repeat for the other side.

Congratulations your stand is now complete! Check to make sure it can fully articulate and move smoothly throughout the entire range. Some minor sanding may be required to allow all the connections to move smoothly. Your stand can now hold most planes from parkflyers up to planes weighing 10 lbs.



LIMIT OF LIABILITY:
In use of our products, Foam-Flite's only obligation shall be to replace such quantity of the product proven to be defective. User shall determine the suitability of the product for his or her intended use and shall assume all risk and liability in connection therewith.

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