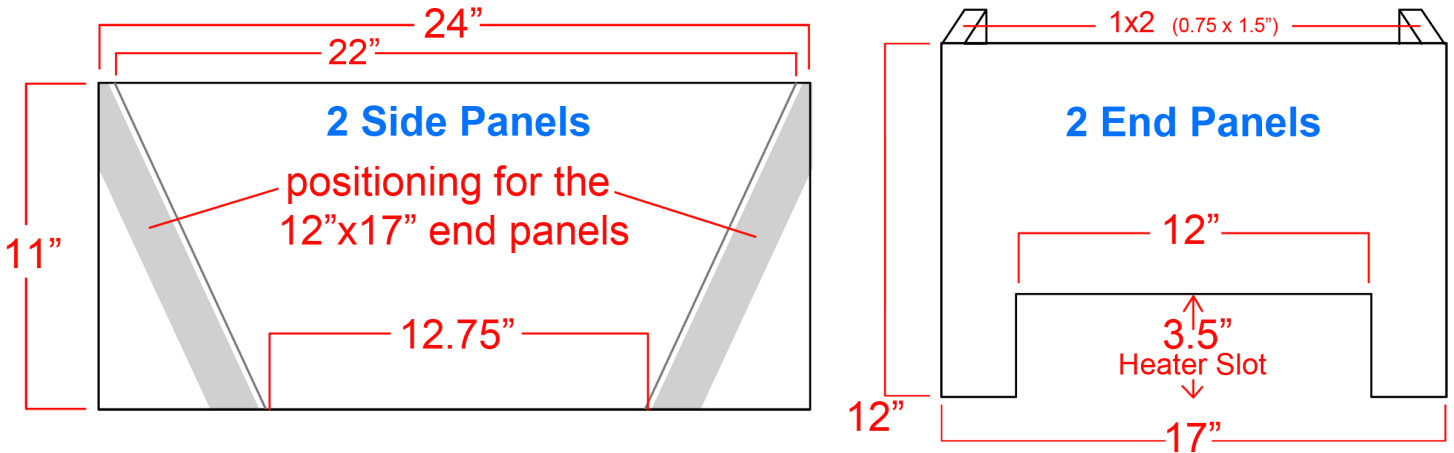


# 18x24 Vacuum Former Heater Troff

© Prop Monkey Studio 2019

## Supply List:

- 1-(1"x2"x4' wood strip), •1-(24"x48"x1/4" MDF board), •heavy duty aluminum foil, •Super 7 spray adhesive, •wood glue
- wood screws, •Comfort Zone CZQTV5M Ceiling Mount Quartz Heater, Black, 1500 Watts



Heavy duty aluminum foil adhered with Super 77 spray adhesive (shiny side out)



Assemble heater troff completely before adding foil. Then disassemble the 4 walls. Spray Super 77 on the dull side of the foil and carefully apply the foil to the inside walls of the troff (Foil can overlap). A rubber roller helps.

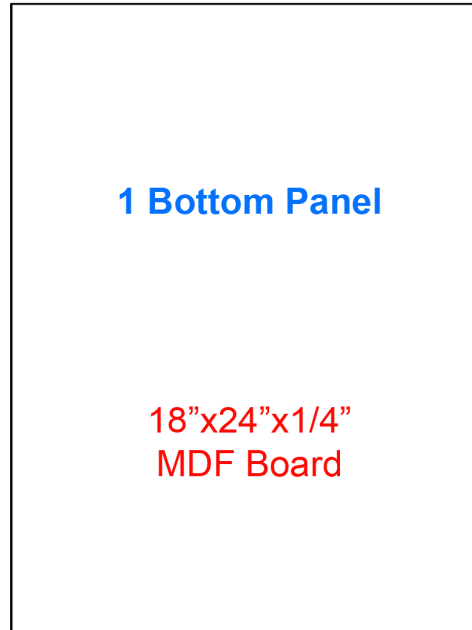
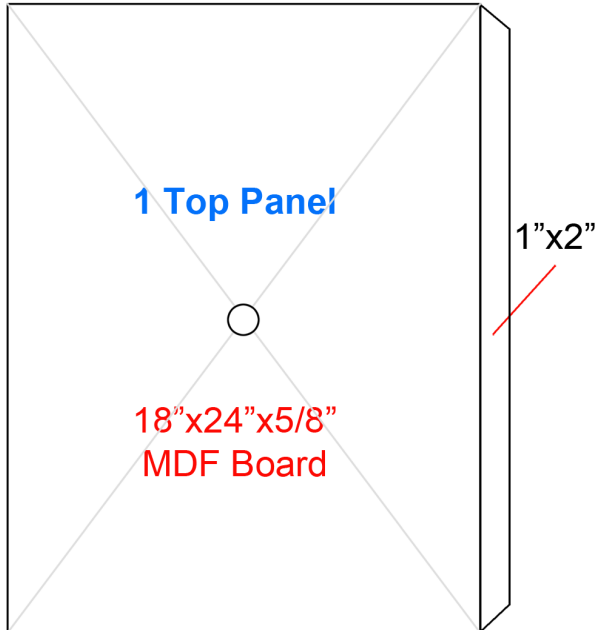


# 18x24 Vacuum Former Table

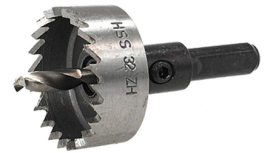
© Prop Monkey Studio 2019

## Supply List:

- 1-(1"x2"x8' wood strip), •1-(24"x24"x1/2" MDF Board), •1-(24"x24"x1/4" MDF Board), •1- (12"x18" rubber pimple mat),
- 1-(24"x18"x4mm High Dense EVA foam), •Wood glue, and hole bit



Hole  
Cutting  
Bit



Cut the 1"x2" board into (2) 24" and (2) 16.5" sections. Glue & clamp first 1"x2"x24" to top panel. Then glue & clamp The two 1"x2"x16.5" to top panel. Before adding the last 1"x2"x24" section drill the hole then Glue & clamp to complete box frame.

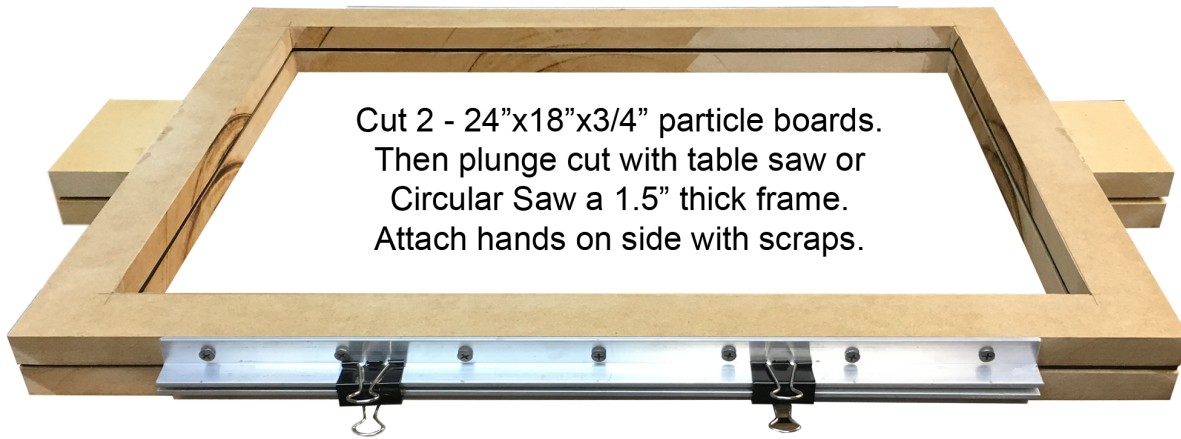
Before glueing the bottom panel to the box drill the center hole into the 5/8" top panel, and make sure all joints are air tight.

CUTTING HOLES: Use cutting drill bit. Check your vacuum cleaner hose to see what size hole you need to drill. I used a 1.25" hole bit for my hose. I also used a 4mm high density EVA foam for my border seal (1.5" wide and used Super 77 to glue it down).

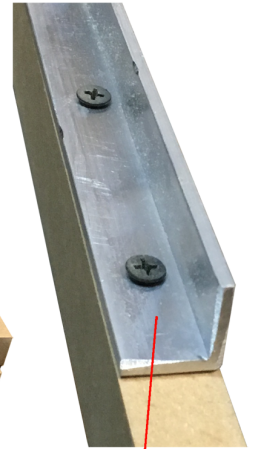
# 18x24 Vacuum Former Frame © Prop Monkey Studio 2019

**Supply List:**

- 1-(24"x48"x3/4" MDF Board) or 2 (1'x2'x8' solid wood strips)
- 1-(3/4"x 72"x1/8" thick, aluminum angle)
- wood glue, •1"wood screws, •3"x 21", 30-40 grit, Sanding Belt (pack of 5)
- contact cement, •box of Binder Clip



Cut 2 - 24"x18"x3/4" particle boards. Then plunge cut with table saw or Circular Saw a 1.5" thick frame. Attach hands on side with scraps.



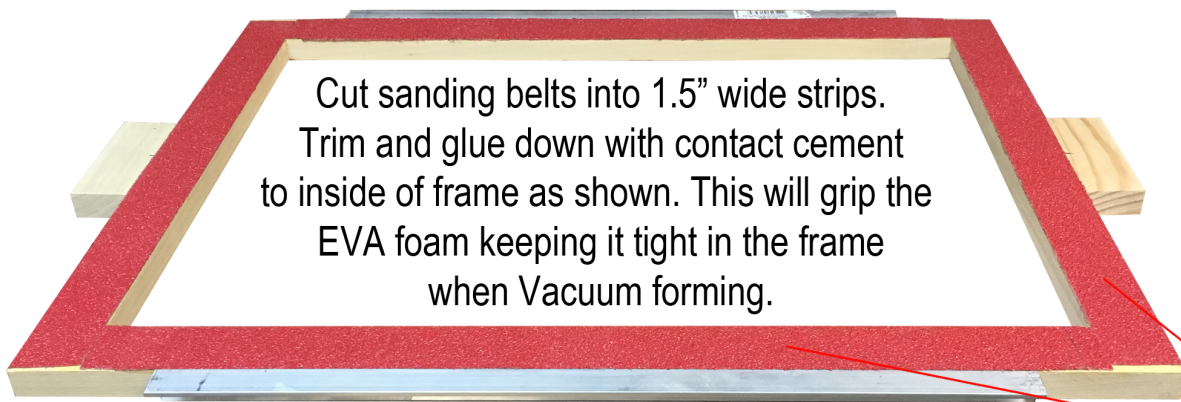
3/4"x1/8" thick, aluminum angle  
Drill and screw flush to frame

Cut the 3/4" aluminum angle into four 18" sections. Then drill 7 holes evenly spaced as shown.

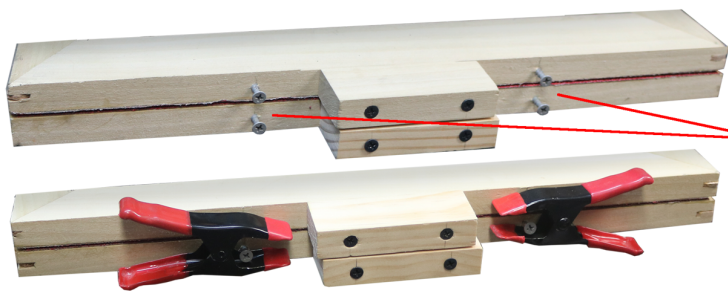
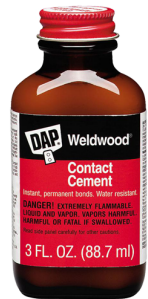
**Very Important:** pre drill holes into wood and make sure the aluminum angle is perfectly flush to the side of the frame.



5 clips on each side of the frame should be enough to hold the EVA foam in place.



Cut sanding belts into 1.5" wide strips. Trim and glue down with contact cement to inside of frame as shown. This will grip the EVA foam keeping it tight in the frame when Vacuum forming.



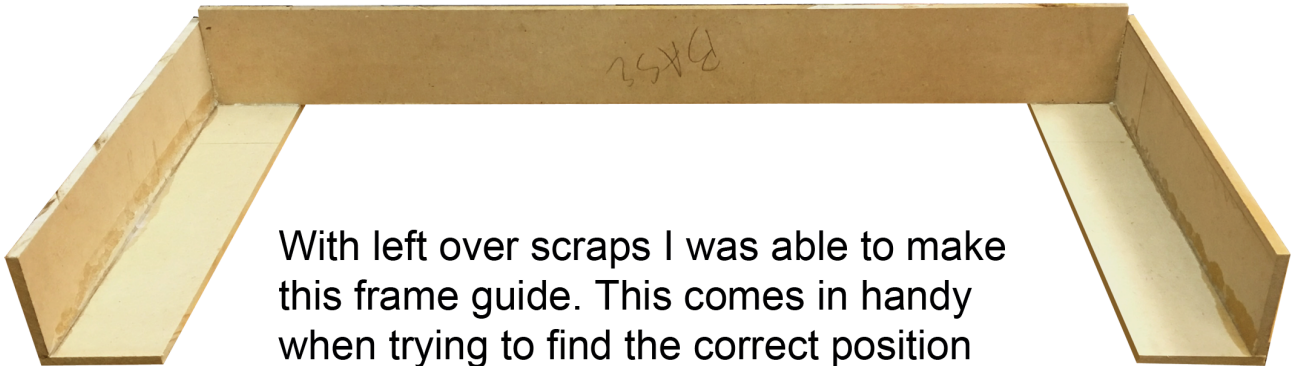
Side screws for Clamps. Without these EVA foam will pull out of frame.

**Note:** For vacuum forming HIPS plastic another frame will need to be made. Line with 1.5" wide heat safe rubber strips instead of the sanding belt.

# 18x24 Vacuum Former Frame Guide

© Prop Monkey Studio 2019

Supply List: left over scraps



With left over scraps I was able to make this frame guide. This comes in handy when trying to find the correct position during vacuum forming.

Made with 2.5" wide strips of 1/4" MDF board.

It does not attach to the forming table, but just slide under, and is held by the weight of the table.

