



*RISO ScreenMaster Mesh and EZIscreen StencilPro films use the same mounting process for each mesh type. Neither mesh is stretched onto the frame as with traditional silk screen mesh - it already has the emulsion attached and therefore is already pre-tensioned and does not require mechanical stretching to a frame. Over stretching the mesh will distort the design and reduce print quality.*

## Mounting Technique

The guide below is for a beginner and involves a two stage attaching process, loose and then tightening. As you gain confidence and attach a few screens, the process is normally performed in a single action where the first attachment of the mesh is the final position/ tension.

### Step 1

Place the frame on a flat surface with tape side facing up and remove the double sided tape from all sides of the frame. If the frame is not taped, apply tape as pictured top left.

*You must work on a flat surface i.e. table/ bench top, do not attempt to attach by holding freehand.*

### Step 2

Attach the top edge of the screen to the frame, press down in the middle and rub outwards to the edges, this will lightly adhere the mesh to the tape.

*Always work from the middle outwards to the edges to remove wrinkles.*

### Step 3

Pull the mesh downwards in the middle to the bottom edge and starting from the middle rub outwards to edges. Don't worry if wrinkles occur at this stage - you just lightly attaching at this point.

### Step 4

Rotate the frame and attach the top edge, then attach the bottom edge.

*Don't work across the frame by pulling side to side, turn the frame and work up/ down (towards/ away)*

### Step 5

*Check the position of your design on the screen and look quickly for loose sections. You can lift the mesh and reposition then repeat steps 1-4 again before proceeding.*

Final position/ tensioning is now performed by rotating the screen and returning to the first side adhered in Step 1. Lift the middle of the mesh from the tape and pull finger tight to remove any wrinkles that may have occurred. Once tight, lower and rub down to adhere. Work from the middle outwards in both direction to adhere the entire edge.

*Rotate and reperform action on remaining edges until all wrinkles have been tensioned out of the screen.*

## Correct Screen Tension

A critical point to remember is **your mesh is already tensioned** before you begin to mount it to a frame. Your not tensioning the mesh, rather removing the wrinkles and ensuring smooth adhesion.

### Wrinkles in the mesh

If wrinkles remain, lift the top, or bottom, from the tape, slightly stretch to remove the wrinkle and then fasten to the tape. Repeat the process on any side where a wrinkle exists, until all wrinkles have been removed.

*Remember to always start from the middle and work outwards to remove wrinkles.*

When mesh is stretched too tight onto a frame it can distort the design and then whilst printing may result in wrinkles and a blurred print.

### Common signs the mesh is too tight

- Wrinkles in the corner areas of the frame
- If your design is distorted (easy to notice with lines)
- Waves or a wrinkled mesh attached to the frame (should be completely flat)
- Frame is bent/ buckled/ does not lay flat on the table (occurs with plastic frames)

*If mesh is too tight, simply lift and reapply to the frame. If the design is distorted, it is best to completely remove the mesh from the frame and begin the process from the beginning.*

## Cutting/ Sealing/ Correcting

Cut and remove the excess mesh from outside the double sided tape and apply Screen Masking Tape over the edge of the mesh/ frame to create a secondary layer of adhesion.

*Taping over the edge also stops ink running out from under the screen during printing.*

Mesh is mounted and ready to register in your jig or begin printing immediately.

