Materials Needed:

1-60 yd. roll of .01828 x 61” Super Double Polish Clear with UV/FR-6P/REACH/RoHS/PROP 65 (Clear Material) = Approximately 1,302 Plastic Shields
1 King Topper Foam 76x80x1” = Approximately 448 Shield Plates
1 Box- 500yd.x 1.5” Elastic = 1,500 Bands
All Purpose Spray Adhesive

Tools Needed:

8’ Straight Edge
12” Ruler
Innerspring Corner Tool
Cutting Board
Permanent Marker
Electric Cutting Knife
Box Knife
Double Stitch Sewing Machine
Scissors
Soldering Iron

Clear Material Instructions:

1.) Unroll Clear Material on a Cutting Table or feasible large flat surface, ensure material is secured and has no wrinkles.
2.) With the 12” ruler measure & mark every 10” with a permanent marker on both sides (left-right) from one end of the material to the other end, cut with a box knife. *NOTE* this should be done with one person on each side of the surface where the material is laid.
3.) After cutting the clear into 10” wide strips, use a cutting board to cut 10”x9.5” squares and stack in quantities of 15 per stack. *NOTE* 15 is a feasible quantity when using a cutting knife to cut corners to 30 degrees.
4.) Use Innerspring Corner Tool and permanent marker to pre-mark 30-degree corners on one of the 10” sides of the stack of clear material. (This only has to be drawn on the top piece of material in each stack)
5.) Use an Electric Cutting Knife to cut the pre-marked corners to 30 degrees in each stack of clear material. (This will be the shield portion of the face shield and should be laid out on a flat surface in a row overlapping but leaving 1” uncovered from top to bottom of the row.)

King Topper Instructions:

1.) Lay 76x80x1” King Topper Foam on a cutting table or feasible hard flat surface. Using 8’ Straight Edge and a permanent marker, measure and mark a full line every 1.5” from top bottom of the entire piece of material. Then, measure and mark 10” full lines on entire piece of material from left to right until complete. This should yield a 448 count of 10”x1.5” foam shield plates.

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2.) With an Electric Cutting Knife follow the pre-marked pattern to cut out 10”x1.5” pieces. *Note* this will be the shield plate portion of the face shield and should be lined up in rows on side of the overlapped plastic shield pieces.

Elastic Instructions:

1.) Lay Elastic out on a hard-flat surface, with a permanent marker measure, mark, and cut (with scissors) into 12” long strips and solder each end where the material was cut to prevent fraying. Place strips in a box.

Assembly Instructions:

1.) Using All Purpose Spray Adhesive spray rows of clear plastic shield pieces and add one foam shield plate to each overlapped clear plastic shield piece. Press each foam piece with force until secure.

2.) Using a double stitch sewing machine sew 1 elastic band onto each face shield by evenly lining one end of the elastic band on the foam side, sew and seal the stitch. Repeat this with the remaining end of the elastic strip and foam by evenly lining the two.

This concludes the instructions of the Wy-Mattress Factory Face Shield manufacturing process.

Actual Size 10" x 9 1/4"

Foam 10" x 1/4"

Round out Bottom

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