Hightower Garment Factory
Navy Pique Polo Masks

Materials
Navy Pique, Polo Material
Navy Twill
Navy Thread (only thread used in entire process)

Machines Required
Utica Machine
Single Needle Sewing Machine
Bar Tack Sewing Machine
Double Needle Placker with Collarette Attachment (Raw: 1 ¾ Finished: ½“)
Clipper Machine
BANDING Machine

Process

Cutting Table
- Draw pattern on cloth and set to the side. Pattern size is 8” by 16”. (Figure 1)
- Roll Navy Pique, Polo Material out on cutting table – placing drawn pattern on top and cut.
- Fold all pieces in half to 8” by 8”.

Utica Machine
- Using the Navy Twill material, create “coins” of 1 ¾“ strips (Figure 2, 3, 4 & 5)

Construction of Straps
Straps
Utilizing the Double Needle Placker Sewing Machine with Collarette Attachment, feed the 1 ¾” “coin” material of Navy Twill into attachment and sew. This will create a ½” strap which will be used in the mask construction process. (Figure 6, 7, 8 & 9)

Cut into 18” and 22” pieces.

**Construction of Mask**

**Edge**
Fold and sew ¼” seam on all four sides using a Single Needle Sewing Machine. (Figure 10 & 11)

**Pleats**
For pleats, pick a side to start on, folding edge ½” from the top and sew down. Continue to fold at ½” increments and sew down until three folds are done. Turn mask around and repeat process for the other side. The process uses a Single Needle Sewing Machine. (Figures 12, 13 & 14)

**Attaching Straps**
Using a Bar Tack Sewing Machine, attach the 22” straps at the top, on the back side of the mask, which is the side that has the hem. The top of the mask has the pleats going down. Make sure you make two “tacks” to ensure strap does not come off. (Figure 15, 16 & 17)

Using a Bar Tack Sewing Machine, attach the 18” straps at the bottom, on the back side of the mask, which is the side that has the hem. Make sure you make two “tacks” to ensure strap does not come off. (Figure 18)

**Clipping and Inspecting Station**
Using the clipper machine, all excess thread is clipped and trimmed. The mask is inspected for quality assurance with any rejects being sent back for repairs and/or destruction.

** Bundling**
Masks are bundled by the dozen, and placed in banding machine for strapping. (Figure 19) Thirty bundles are placed in a box (360 total masks per box) and are ready for shipping.

**Finished Mask** (Figure 20)

**Modeled Masks** (Figure 21 & 22)
Figure 1

Figure 2
Figure 15

Figure 16

Figure 17

Figure 18

Figure 19

Figure 20
