[How to] Create a Face Mask with a Pocket Insert

Widespread mask-wearing might be a very effective complement to mitigrate the pandemic, according to studies. Let's turn to our dye sublimation printers to produce these essential items!

PRINTER: TS55-1800

RASTERLINK VERSION: RasterLink 6 Plus Ver 2.1

MEDIA: Fisher Textiles ET4000 Board Short
PROFILE: Neenah Coldenhove Jetcol HTR4000 140g
TYPE: Full Color
PASSES: 4
OVERPRINT: 1

RESOLUTION: 600x1200 dpi

INK: SB610
INK CONFIGURATION: CMYK
AMOUNT OF INK USED: 3.130cc

NEEDED SUPPLIES:

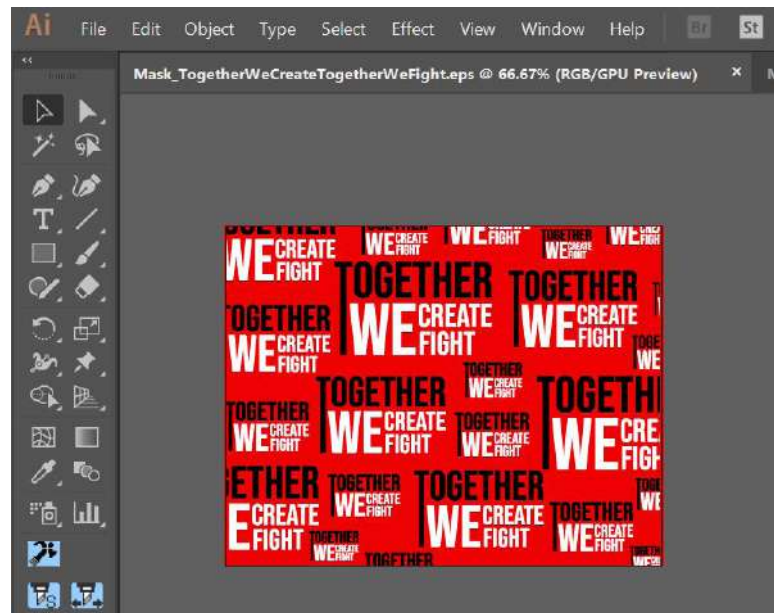Sewing machine and thread
Elastic
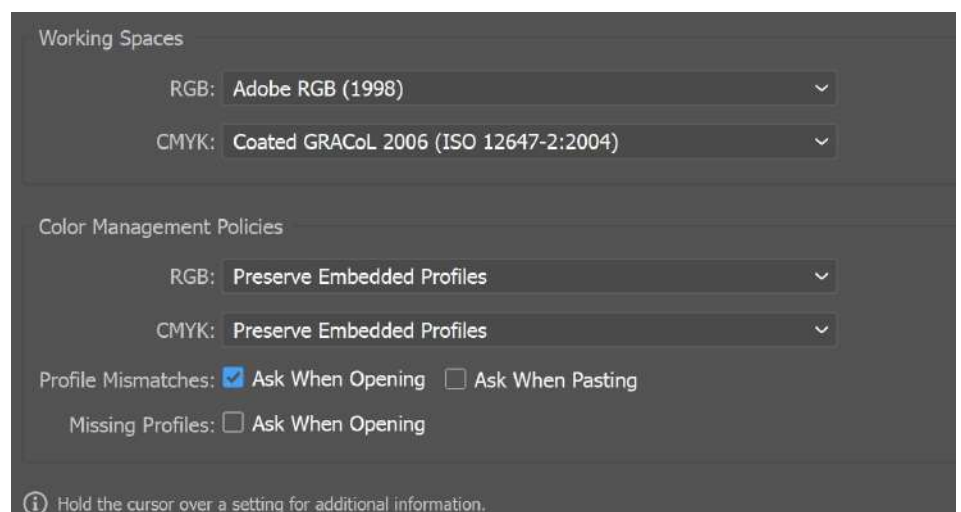Fabric
Scissors
Ruler
Filter (optional)
Safety pin

Profiles can be downloaded through the profile update tool in RasterLink or manually on the product pages found at www.mimaki.com

STEP 01: DATA CREATION

1.1. Create design image using design software Illustrator or Photoshop, save in formate .eps (Illustrator) or. Tiff (Photoshop) The file size is 24cm x19cm.

1.2 Confirm settings.
Go to Edit>Color settings.

1.3 Save your work.
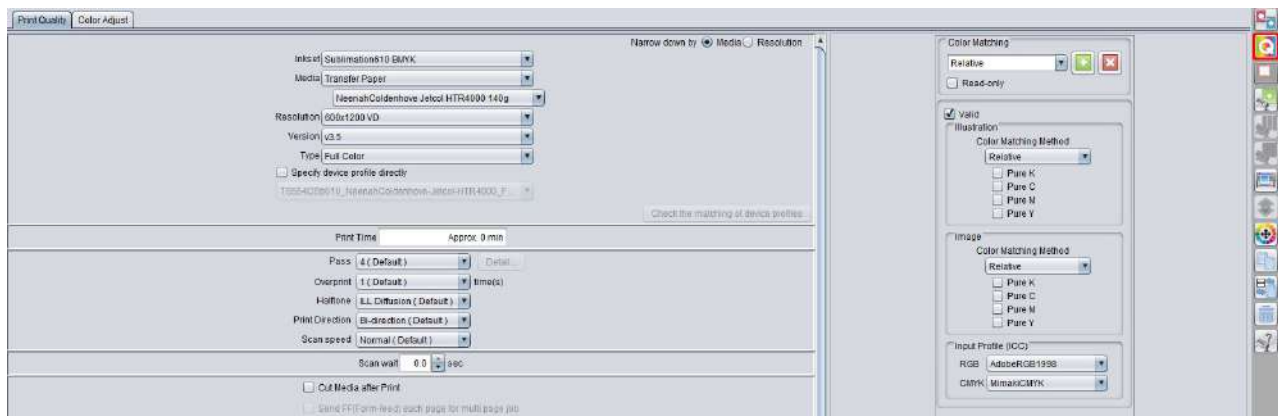
STEP 02: RASTERLINK SETTINGS

2.1 Open file in Rasterlink.

2.2 Profile and Resolution
Click the Quality icon.
Choose profile and resolution. Also, confirm color matching settings.
        Profile: Neenah Coldenhove HTRJetcol 4000 140g

2.3 Image Edit
Click on General Print.
Scale your image to the size you need your graphic to be.
Here you can align your object to the material and create any copies.

2.4 Printing
Click on Execution icon. When the print conditon and
print place are confirmed, you can start printing.

STEP 03: Application

3.1 Cut out the printed transfer paper with scissors.

STEP 04: Heat Press

4.1 Place a sheet of teflon on the heat press silicone pad. Place the face of the fabric right side up.
4.2 Place the printed transfer paper face down on the fabric.
Note: Depending on the size of the heat press you can heat press more than one at a time.
4.3 Place a sheet of Teflon on top.
4.4 Close the heat press.
4.5 When the timer goes off, lift the handle on the heat press and remove the Teflon. Then remove the transfer paper off of the fabric.

STEP 05: Sewing

5.1 Main Fabric
Cut **x1** Main Fabric. This main fabric is your sublimated design.
5.2 Lining
Cut **x2** 18cm x13 cm rectangles from your cotton lining.

5.3 Pressing
Fold over the bottom of the cotton lining by a 1/2 inch. Then press the 1/2 inch fold with a iron.

5.4 Sew the 1/2 inch fold with a 1/4 inch seam allowance.

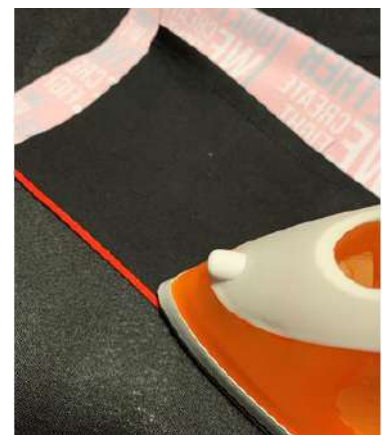5.5 After you have sewn both linings, place your linings on the main fabric.
Note: Right sides of the fabric together.
5.6 Clip the linings to the main fabric. Make sure you center your linings on the main fabric.

5.7 Sew the linings to the fabric with a 1/4 seam allowance.
5.8 Open the linings and press the seam with the iron. Then turnover the main fabric, fold down the linings and press the seams.

5.8 Turnover the fabric and begin forming pleats. After the pleats are formed, use a iron to press the fabric. Press the frontside, then the backside.

5.9 After the fabric is pressed, sew close to the lining with a 1/4 seam allowance.
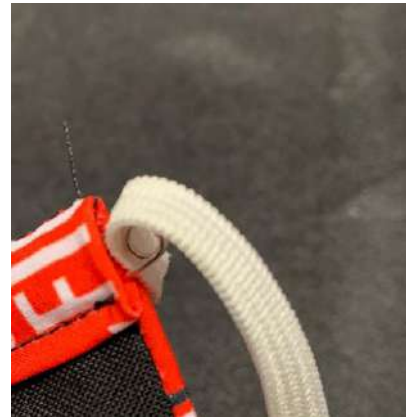

5.10 Fold over the edges of the main fabric until it meets the lining. Press the fold with an iron. Then fold the fabric over again and press.

5.11 Sew the folded fabric.

STEP 06: Insert the Elastic

6.1 Cut x2 9 1/2 elastic strips.
6.2 Insert a saftey pin through the elastic.
6.3 Once the safety pin is attached, insert the elastic through the openings on the sides.
6.4 Take off the safety pin once the elastic is inserted.
6.5 Connect the ends of the elastic by either tying or sewing the ends together. Then hide the connected ends by pulling the elastic through the folded fabric.

STEP 07: Filter

7.1 Insert a filter of your choice. For this application, we used a PM2.5 filter. A PM2.5 filter reduces, dust, pollution, pollen, smug, vehicle exhaust, sandy air, and passive smoking.

A FINISHED FACE MASK!

Be Safe, Be Connected!