DIY Eye or Face Shield with 3D-Printed Frame

以 3D 打印框架 自製眼/面防護罩

Steps 步驟

3D-Print the dual-use shield frame with PLA. Download here:

先下載及 3D 打印兩用防護罩的框架： https://www.thingiverse.com/thing:4153221

Eye Shield 眼罩

1. Print eye shield stencil page on transparency film directly, or on A4 paper and then transfer to any kind of transparency plastic film.

將眼罩式樣直接打印在透明膠片或 A4 紙上再移印到膠片 。

Recommended plastic films: Cellulose Acetate Film

建議使用的透明膠片：乙酸纖維素 透明片

2. Cut out the eye shield along the dotted line. Use a hole punch to punch out 4 holes at the 6 cross marks.

沿虛線將眼罩裁剪出來。再用打孔機在 6 個十字標示打出 4 個孔。

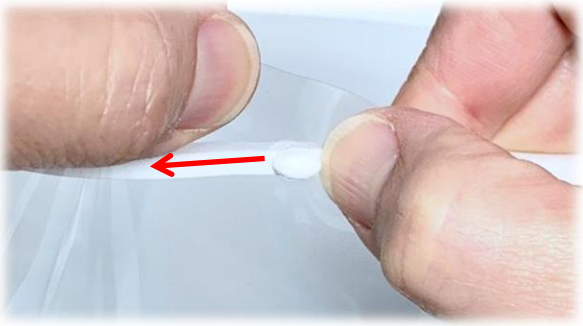
3. Trim the shape corner inside the holes.

把長型孔內的尖角修去。

4. Pass the plastic sheet into the frame as shown below:

將膠片如圖插入框架中：

5. Anchor the back side of the hole onto the knob, and then pull the hole to the front and push the knob through the hole. Repeat on the other side.
先把膠片旁邊圓孔的後方卡進小圓鈕，再把圓孔向前拉，把小圓鈕推入孔中。在另一邊重複步驟。



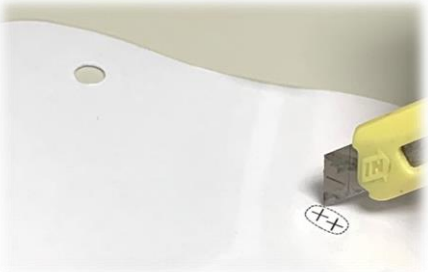
Complete
完成圖

Face Shield 面罩

1. Print face shield stencil page on transparency film directly, or on A4 paper and then transfer to any kind of transparency plastic film.
將面罩式樣直接打印在透明膠片或 A4 紙上再移印到膠片。

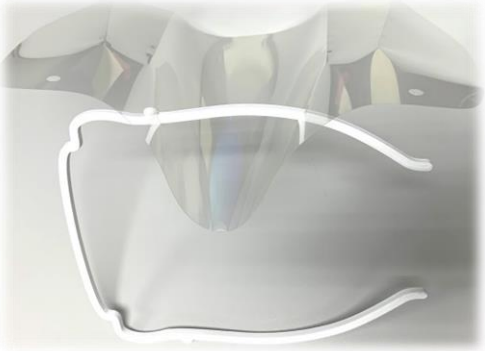
Recommended plastic films: Cellulose Acetate Film
建議使用的透明膠片：乙酸纖維素 透明片

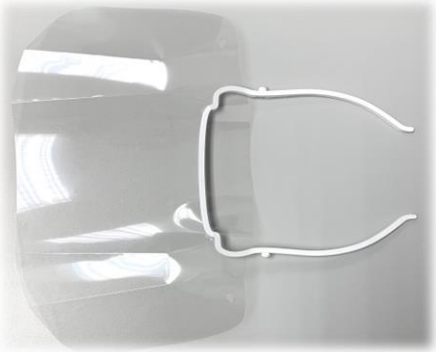
2. Cut out the face shield plastic sheet along the cutting line. Use a hole punch to punch out 2 holes at sides, and use cutter to cut out the oval holes.
沿外線將面罩膠片裁剪出來。用打孔機在兩旁十字標示打出 2 個圓孔。以鏟刀鏟出中間 2 個橢圓形孔。



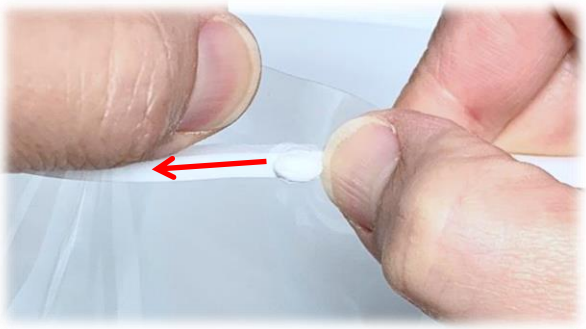
3. Fold the plastic sheet along the folding line. (optional)
沿虛線折出折痕。(可不折)

4. Pass the plastic sheet into the frame as shown below:
將膠片如圖插入框架中：

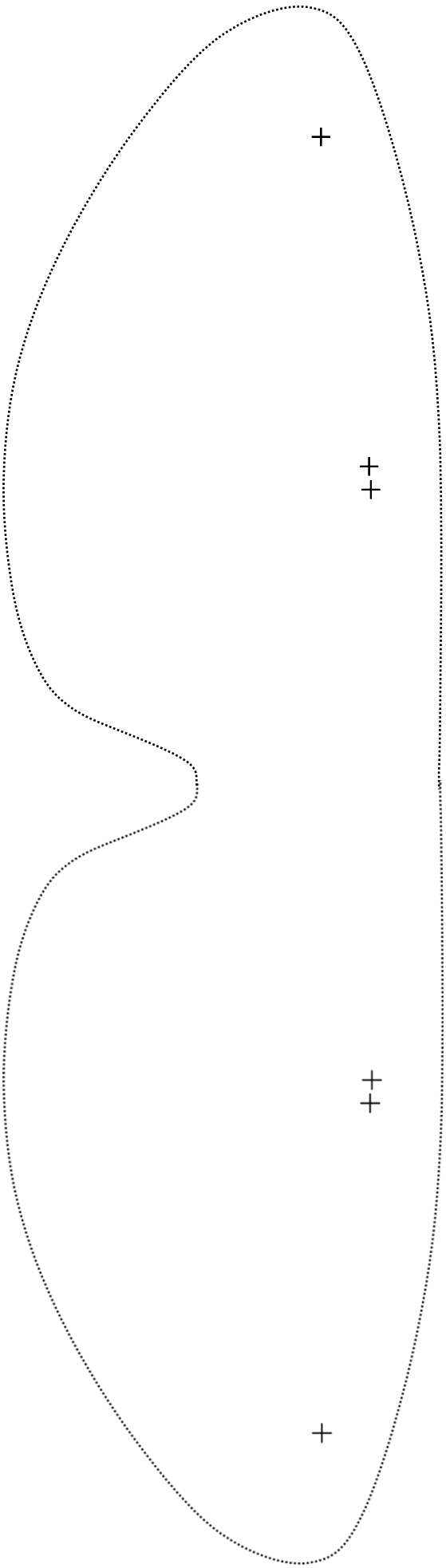


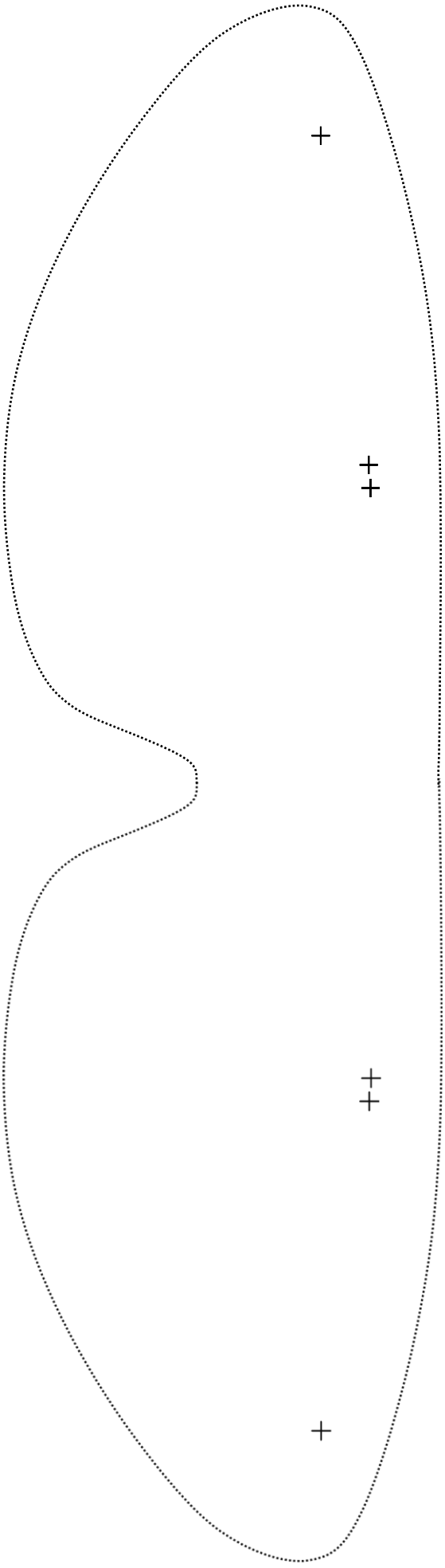


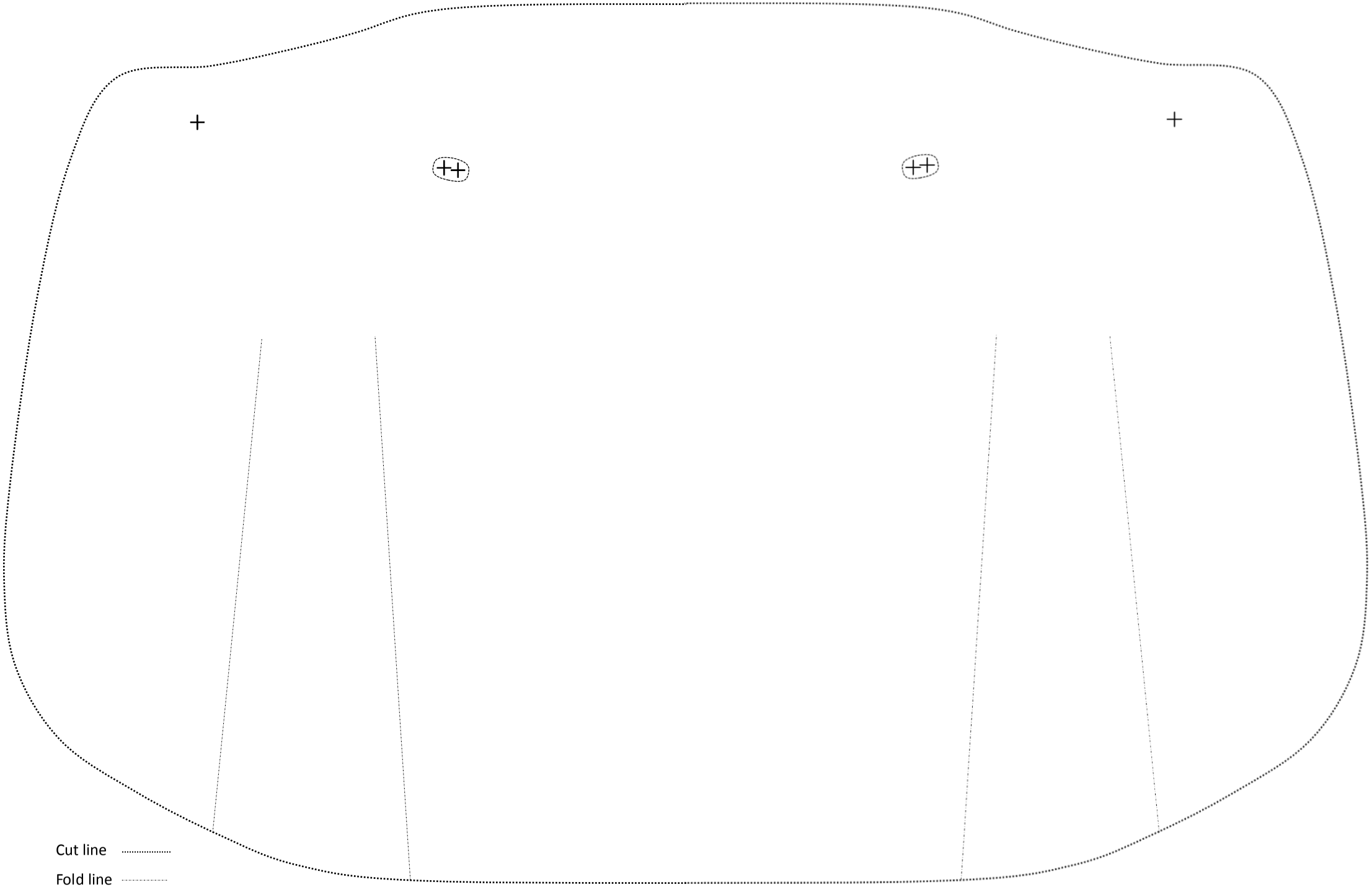
5. Anchor the back side of the hole onto the knob, and then pull the hole to the front and push the knob through the hole. Repeat on the other side.
先把膠片旁邊圓孔的後方卡進小圓鈕，再把圓孔向前拉，把小圓鈕推入孔中。在另一邊重複步驟。



Complete
完成圖






Cut line
Fold line