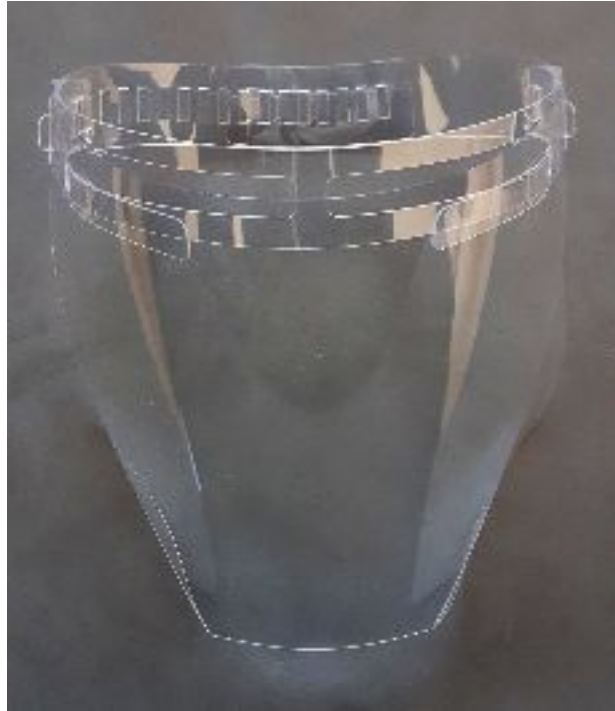


Laser Cut Face Shield version

Overview



The design of a face shield/visor in response to the Covid-19 pandemic, for use in preventing the spread of infection.

All parts are designed to be cut by CO² laser cutting or die cutting from flexible sheet plastic. The parts can be assembled and disassembled without the use of tools and are held together via tabs and associated slots. The screen has two score lines to facilitate a bend of approximately 45 degrees on either side to increase protection. The headband and straps have ergonomic geometry to suit a wide range of users.

There are two variants within the design to enable users and manufacturers a greater choice.

Variant 1:

Consisting of a screen, headband and a two part removable strap.

Designed for production on machines with a small working area, minimum 418x260mm

Variant 2: Consisting of a screen and a headband with integrated strap.

Design for production on machines with a larger working area: min700x260mm

Materials

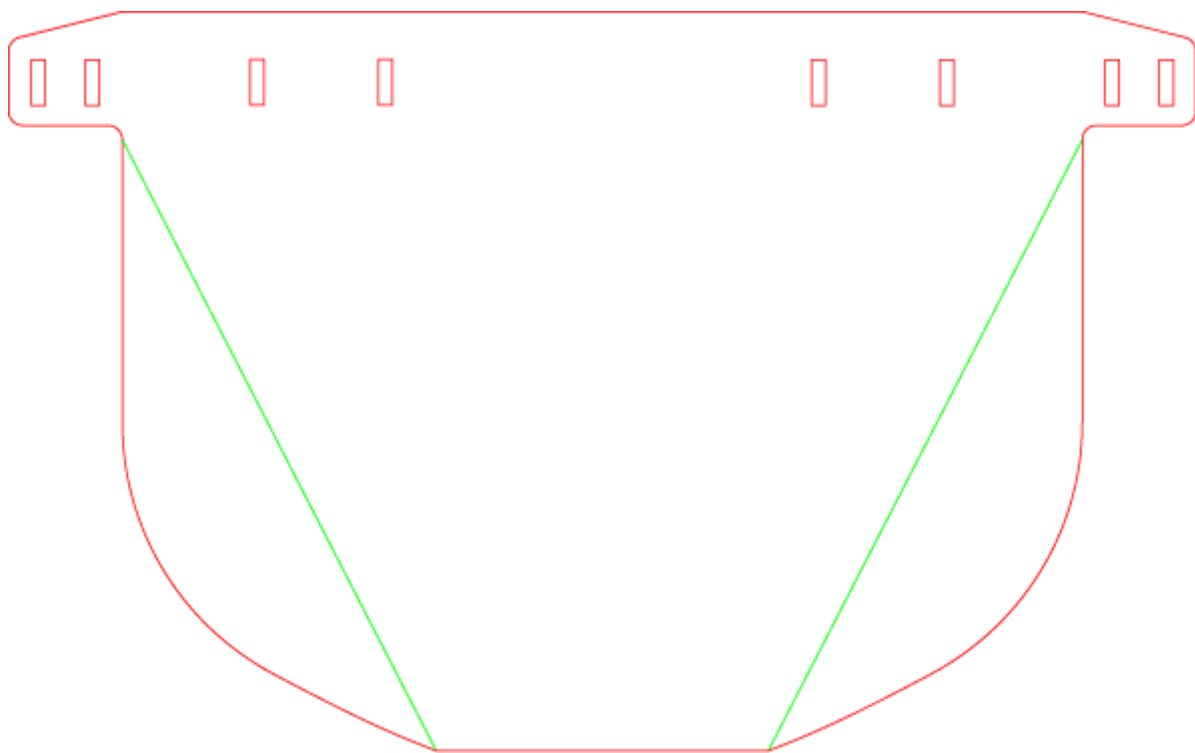
All parts to be manufactured from 0.75mm - 1mm thick Polyethylene Terephthalate Glycol-modified (PETG) sheet.

Production

Parts

Screen (variants 1&2):

Dimensions: approximately 418mm x 260mm (use attached design file)



Not to scale

Headband (variant 1)

Dimensions: approximately 338mm x 59mm (use design attached digital blueprint)



Not to scale

Two part removable strap (variant 1):

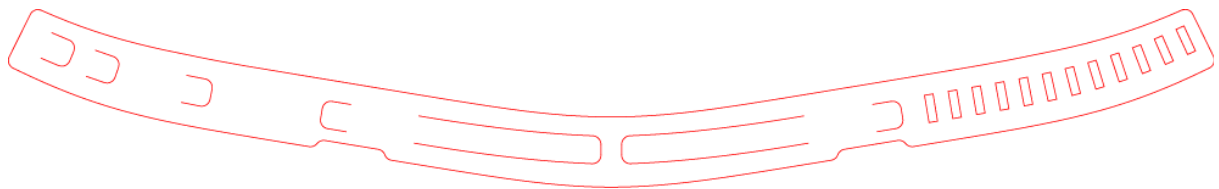
Dimensions: approximately 224mm x 59mm (use design file)



Not to scale

Headband with integrated strap (variant 2):

Dimensions: approximately 224mm x 59mm (use design file)



Not to scale