

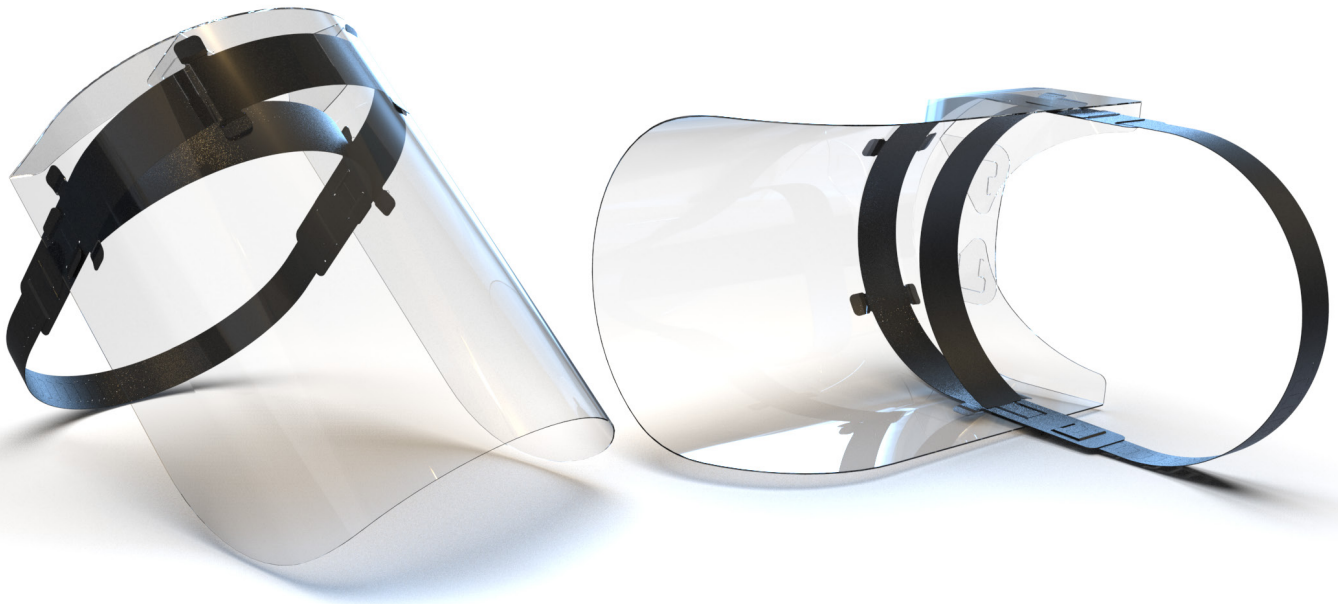
HANNAN SNAP VISOR

Open source flatpack full face visor

openlab

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Summary

In honour of Katherine Hannan, a nurse went out of her way to be at the very front lines of caring for the sick during the Spanish Flu pandemic. The Hannan visor is a low cost full face visor designed for single sessional use. Manufactured from Polypropylene and PVC, parts come flatpacked, and can be sterilised then assembled in 1-2 minutes. The headstrap is fully adjustable and allows the user the ability to wear full Personal Protective Equipment (PPE) during use.

Design

The design has been through a series of iterations and testing with NHS healthcare workers. Design modifications include new visor to cover face, redesigned adjustable “ratchet style” headband. The complete design has been modified to be manufactured via Die Cutting.

Original Concept by [Smoke N Mirrors](#) March 28, 2020.

Applications

- Healthcare
- Emergency response
- General Practitioners
- Social Care

Compliance

The design of this product conforms with relevant essential health and safety regulations under the PPE Regulations and with requirements of [BS EN 166:2002](#) (Personal Eye Protection).

In light of the COVID-19 outbreak, the UK Government has taken steps to ease regulatory requirements for a limited time to speed up the supply of essential COVID-10 related Personal Protective Equipment (PPE) products into the UK market:

Where the product will be manufactured for supply to NHS bodies for protection use by healthcare workers, it will not be necessary to carry out a conformity assessment or declaration and the product may be supplied without CE marking.

This product may not be supplied to other parties or for any other uses without first contacting a Notified Body and beginning conformity assessment procedures.

NO REPRESENTATION, PROMISE OR WARRANTIES, EITHER EXPRESS OR IMPLIED, IS GIVEN CONCERNING THE SUITABILITY OF THESE FACE SHIELDS FOR ANY MEDICAL OR PERSONAL PROTECTION USE INCLUDING, WITHOUT LIMITATION, THEIR EFFECTIVENESS TO FILTER, BLOCK OR PROTECT AGAINST ANY PATHOGEN OR PARTICLE INCLUDING SARS-COV-2 OR ANY OTHER RELATED TO COVID-19.

Specification:

PARAMETER	VALUE	NOTES
Visor Size	338mm x 285mm	(w) x (h)
Visor Weight	55g	
Material	PVC / Polypropylene	
Usage	Multiple or Single Session	Must be resterilised
Assembly Time	Approx 1- 2 mins	
VISOR		
Material	400 Micron PVC RIGID PENTAPRINT CLEAR	Pentaprint® PR M180/23-71/9400-100_0
Impact strength, min.	550 kJ/m ²	DIN EN ISO 8256 measured lengthwise
HEAD BAND/STRAP		
Material	450 Micron Polypropylene- Black	
Head Sizing	Approx 53.5cm - 73.8cm (21" - 29")	Barbed locking mechanism & hook
STERILISATION REQUIRED*		
Method	Isopropyl alcohol 70%	

*All visors are shipped unsterilised.

Usage

Recipients of the face shields are responsible for using their own judgement before deciding to order, receive, distribute and use these homemade face shields in any setting. Prior to use these visors should be sterilised. These face shields are single sessional use only. Discard after use. It is expected that these face shields will be used in conjunction with a face mask protecting the nose and mouth, in accordance with relevant guidelines. Face shields are not a replacement for or negate the need for users to continue to stringently follow the recommended hygiene practices or other relevant guidelines.

Open Source Design

This design has been open sourced under the [Open Movement](#) platform at Newcastle University in collaboration with Northumbria University. The hardware (designs, layouts and schematics), and documentation are available under a [Creative Commons 3.0 BY Attribution License](#).



