

PERSONAL PROTECTIVE EQUIPMENT

Protecting Canadians with
World-Class Advanced
Manufacturing Technology



proto3000
ISO 9001:2015

Disclaimer and Indications for Use

The Avid 3D-Printed Face Shield manufactured by Proto3000 is intended for general healthcare use as well as use by essential workers during the COVID-19 medical supply shortage emergency. This device has not undergone the same regulatory approval process as traditional PPE but is MDEL Class 1 certified and meets ANSI and CSA guidelines for face shields. The 3D printing materials we use meet USP Class I-VI and US FDA guidance for Intact Skin Surface Devices. Production of the 3D printed frames happens in our ISO-9001:2015 and Health Canada accredited facility where we have full traceability on materials and processes put in place to protect workers and our customers from the spread of COVID-19. This face shield should be worn in conjunction with other PPE specified by Health Canada and is not a substitute for a face mask or respirator. These face shields are not intended to be used for protection against sparks, heat, projectiles, and debris. There is no warranty included with our face shields, if by chance there is damage to your parts after purchase please contact our team.

Face shields should always be inspected for any breaks or leaks before use. After use, safely dispose of infectious materials and disinfect any part you intend to reuse. Do not autoclave the clear film or use sodium hydroxide.

Manufactured by: Proto3000 Inc.

Designed by: Avid Product Development

Health Canada MDEL License: 11859

Face Shield

1 x 3D Printed Face Shield Frame

3 x Clear Face Shield Film

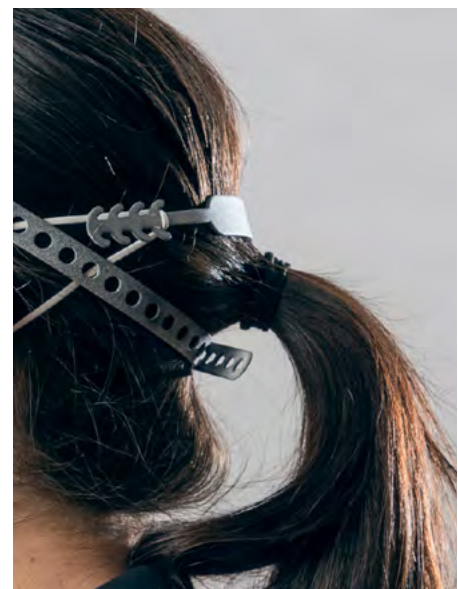
- Includes 1 3D printed face shield frame and 3 clear films per unit
- Made with bio-compatible PA-12 USP Class I-VI certified and PET or PET-G material
- On-demand Manufactured and assembled in Vaughan, Ontario (ISO 9001:2015 and Health Canada MDEL certified facility) with state of the art 3D printing technology
- High quality, safe and effective PPE produced for healthcare workers and essential staff
- Meets standards recommended by Health Canada and produced with a clean and monitored process
- Full traceability
- Two components, easily assembled and adjustable
- Enough clearance for Optical/Masks, etc
- Comfortable, lightweight
- Reusable - 3D printed component is sterilizable and the shield can be wiped down with a disinfectant



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Mask Adjusters

- Relieve ear pain for hospital staff and essential workers that have to wear surgical, face, and N95 masks for extended periods of time.
- 3D Printed in bio-compatible PA12 Nylon material
- On-demand Manufactured and assembled in Vaughan, Ontario (ISO 9001:2015 and Health Canada certified facility) with state of the art 3D printing technology
- High quality, safe and effective PPE produced for Healthcare Workers and Essential Staff
- Meets standards recommended by Health Canada and produced with a clean and monitored process
- Full traceability
- Comfortable, lightweight and flexible
- Reusable - 3D printed component is sterilizable



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Additional Applications



Anatomical models for medical device testing

We can 3D print medical models with an incredible array of microstructures which not only look but feel and function like actual human tissue for true haptic feedback. Our digital anatomy 3D prints can improve the development time of medical devices



Nasopharyngeal Swabs

We are in the process of validating the efficacy of 3D printed nasopharyngeal swabs with Health Canada. Our swabs have been approved through clinical evaluation in the United States and are ready for mass production.



Ventilator and CPAP Components

We are able to produce 3D printed parts that are approved for use in gas and air pathway devices. If you require rapid prototyping services for ventilator components or a manufacturing partner for the production of already approved components, we can help.

Assembly Instructions

STEP 1



Face shield contents include: 1 head strap & 3 protective face shields. Inspect contents to make sure there are no visible damages.

STEP 2



Align the 3 holes on the protective shield to the corresponding pegs on the front of the head strap.

STEP 3



Using your thumbs to keep the protective shield in place, bend the head strap to allow the pegs on the forehead band to align.

STEP 4



Pull the tabs at the top of the face shield through their corresponding holes to seal off the upper portion of the shield.

STEP 5






Measure the face shield over your head and put the pegs in the appropriate holes so the face mask fits comfortably. Pull outwards to lock them in place.

STEP 6



The face shield should fit snugly and not move or fall down during use. Readjust sizing if necessary.

Item Codes

	SKU	PRODUCT DESCRIPTION
	Faceshield V1 - Open Top	
	P3K-SHIELDV1-001	Proto3000 Face Shield V1- Open Top
	COVID3-000001-V3-Q3	Proto3000 Clear Face Shield Film Replacement V3 - Quantity 3
	COVID3-000001-V3-Q5	Proto3000 Clear Face Shield Film Replacement V3 - Quantity 5
	COVID3-000001-V3-Q10	Proto3000 Clear Face Shield Film Replacement V3 - Quantity 10
	Faceshield V2 - Closed Top	
	P3K-SHIELDV2-001	Proto3000 Face Shield V2 - Closed Top
	COVID3-000002-V4-Q3	Proto3000 Clear Face Shield Film Replacement V4 - Quantity 3
	COVID3-000002-V4-Q5	Proto3000 Clear Face Shield Film Replacement V4 - Quantity 5
	COVID3-000002-V4-Q10	Proto3000 Clear Face Shield Film Replacement V4 - Quantity 10
	Ear Saver/Mask Adjuster	
	P3K-EARSAVERV1-001	Proto3000 Ear Saver Mask Adjuster V1

Technical Specifications



Clear Face Shield Film - V2

Material	0.007"-0.015" thick PET or PETG
Reusable	Yes, but not autoclavable.
Dimensions	15" x 13"

3D-Printed Face Shield Frame

Material	HP 3D High Reusability PA12
Reusable	Yes

Disinfection Instructions

Please contact us for disinfection instructions. Below we have listed examples of effective disinfectants as outlined by the EPA. Disinfection procedures and protocols should be established by the end-user and we are not responsible for the reusability of the device.

1. 10% chlorine bleach solution – may cause streaking on clear film.
2. Super Sani-Cloth
3. CaviWipes
4. Hydrogen peroxide – may cause streaking on clear film.
5. Iodopovidone (Betadine) – not recommended for clear film.
6. 70% Isopropanol



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