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AYTS

THE GLOBAL LACK OF TRANSPARENT **N95 MASKS WORLDWIDE**





3866330 Active Cases² 484926 Deaths²



Mandatory mask policies4

Opaque masks Transparent masks







Lip reading for approximately ~470M people with hearing loss, 3M in Canada







Preventing removing mask in security checkpoints.

OUR COST EFFECTIVE, MODULAR, **SCALABLE SOLUTION**

TRANSPARENT & REUSABLE

Our designs incorporate transparency, to allow the hard to hear to understand others. increase personality for doctors and patients, and help people navigate security.

COST EFFECTIVE

Designs have been optimized on reducing the manufacturing costs.

MODULAR & SCALEABLE

Every component is modular and interchangeable from IBEX and TUSK, ensuring ease of scaling up.

Deaf support organizations and world pushing for transparent masks⁵



HIGH IMPACT, COMPETITIVE DESIGN

SERVING CANADA AND BEYOND

LOWER COSTS OF PRODUCTION THAN COMPETITORS

- 1. https://www.globenewswire.com/newsrelease/2020/04/07/2012991/0/en/Global-N95-Mask-Market-is-Expected-to-Reach-USD-1897-Million-by-2027-Fior-Markets.html
- 2. https://www.worldometers.info/coronavirus/
- 3. https://www.businessinsider.com/usa-1-percent-3-billion-facemasks-needed-coronavirus-pandemic-2020-3
- 4. https://www.cbc.ca/news/health/mandatory-masks-1.5615728
- 5. https://www.bbc.com/news/av/uk-england-york-northyorkshire-53411855/coronavirus-the-transparent-masks-thathelp-deaf-people

BE YOUR BEST SELF.

<u>IBEH</u>

Be great.

A modular, transparent, affordable, and reusable respirator. IBEX's unique modular design allows us to be more cost effective and easy to scale up than the competition. Designed according to NIOSH facial data, so that everyone has a mask which allows them to show their smile to the world.

Named after the Ibex, a species with unparalleled strength and adaptability. Allowing you to strive in these times. *Optional exhalation valve.*

Specifications:

Filter Area ~ 20,000mm²

Exhalation Pressure = 0 psi *with inclusion of optional exhalation valve

Permanent Anti Fog Coating

Certifications Designed Within: FDA, NIOSH, CE





TUSH

Reimagining the full respirator. Inspired by the Oreamnos and BC Black Tusk. A sleek and elegant design, made from a single transparent injection molded shell. The first of its kind.

Enjoy full transparency, 360° protection, while displaying your face and emotions to the world to see. Utilizing novel Easylock™ technology to seal the face while ensuring mouth visibility.

Designed for those who interact with others, constantly. Whether in healthcare, F&B, or transportation, rest assured that no matter the case, you are being protected. From all 360 degrees. *Optional exhalation valve.*

Specifications:

Filter Area ~ 20,000mm²

Exhalation Pressure = 0 psi *with inclusion of optional exhalation valve Permanent Anti Fog Coating

Certifications Designed Within: FDA, NIOSH, CE





Meaning: Goat, Armenian

1 ST T TRANSPARENT REUSABLE N95 TARTUP

ADAPTABILITY

We were inspired by the adaptability of the Ibex goat species in steep mountainous climates. We wish for our products to help people adapt and traverse this tough time.

GREATNESS

We want people to equate our products with craftsmanship, workmanship, and quality. That is why we chose the goat – which an acronym for "greatest of all time"





FOUNDER. CEO. CHIEF ENGINEER.

FAHEEM SAEED

A 4th year Mechanical Engineering student from the University of British Columbia, Canada, Faheem started AYTS in April after the realization that Canada was struggling with procurement of PPE.

He hopes that AYTS can allow Canadians and people abroad to add a new layer of emotion between healthcare workers and patients, service workers and customers, allow easier interaction for the hearing challenged, and provide a novel reusable mask for people in this tough time.

Responsible for the entire product experience, from design to sizings & rendering to packaging.



TENM.

ALBERT YAU

Test Engineer, 4th Year MECH UBC
Assisting with prototyping and tweaking for prototyping.

RNUNNK BHNGNT

Web Developer, 3rd Year Comp.Sci. UBC

Responsible for developing website and ecommerce interface.







STNNDNRD VIEWS

IBEX





IN THE BOH.



TUSK



DESIGN GOALS:

- 1. LOW PROFILE MASK TO BRING THE BEST OF THE FULL-FACE RESPIRATOR WITHOUT BULKINESS OF IT
- 2. ALLOW WIDE RANGE OF DIMENSIONS TO FIT
- 3. MATERIAL SELECTION WITH FOCUS ON TRANSPARENCY
- 4. 3 SIZES FOR ALL (S, M, L)

FUNCTIONALITY:

- 1. REUSABLE & TRANSPARENT
- 2. EASY BREATHING 20,000MM2 FILTER AREA
- 3. OPTIONAL FILTER INCREASES BREATHING EASE
- 4. SMALL PROFILE TO MINIMIZE DEAD VOLUME
- 5. NOVEL EASYLOCK PARTITION REDUCES DEAD VOLUME AND ALLOWS TRANSPARENCY NEAR MOUTH

STNNDNRD VIEWS















SOFT PACHAGING RENDERS

AYTS

Inspiration: Protein Shake Packaging

Note: Hard Packaging in progress to ensure rigidity of container.



TIMELINE

AYTS

27-07-2020 – 30-08-2020 INVESTMENT PROCUREMENT

20-07-2020 TO 30-08-2020 COMPLETION OF FINAL PROTOTYPING

27-08-2020 – 11-09-2020 TOOL MANUFACTURING FOR LOW PRODUCTION RUN

> 11-09-2020 – 30-09-2020 INITIAL PRODUCTION RUN, CUSTOMER FEEDBACK

01-11-2020

FULL CAPACITY TOOLING AND

PRODUCTION RUN STARTS



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IT'S ALWAYS THE YEAR OF THE GOAT