

The background features a white field with a solid red horizontal bar across the top. Large, irregular red shapes resembling cell clusters are in the top-left and top-right corners. Several spherical red virus particles with surface spikes are scattered throughout: one near the top bar, one in the upper right, one in the lower left, and one in the lower right.

ViroMasks

Breathe Pure

- Company History
- Why ViroMasks ?
- Products Portfolio
 - ViroMasks Vault Series
 - ViroMasks Armor Series
 - ViroMasks Shield Series
 - ViroMasks Filters
- Tests Conducted
- Summary

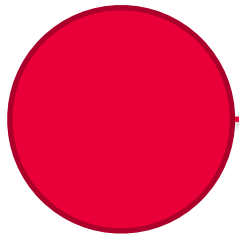
The background is white with red abstract organic shapes in the corners and a solid red horizontal bar at the top. The shapes resemble cellular or viral structures.

COMPANY HISTORY



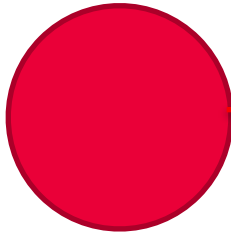
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ViroMasks History & Key Achievements



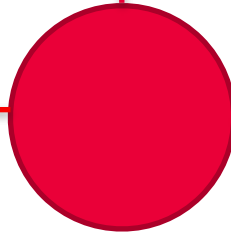
1989

AMCO sets up.
Becomes one of the
largest garment
manufacturers in
United Arab Emirates



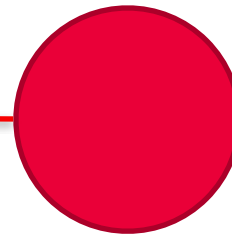
2005

HeiQ Founded.
Becomes one the
leading textile
technology provider in
the world

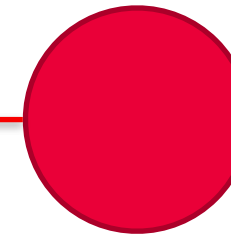


2020

ViroMasks Founded
Becomes one the
leading Re-usable,
Washable, Anti-Viral
Masks

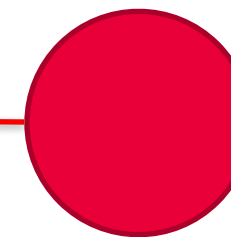


ViroMasks Vault Series
Launched.
Major success
JUNE 2020



SEPT 2020

ViroMasks Shield Series
Launched



ViroMasks Armor
OCT 2020



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ViroMasks Geographic Presence





ViroMasks in Media



الإمارات اليوم



#innovscovid19

Khaleej Times



Healthcare **IT** News

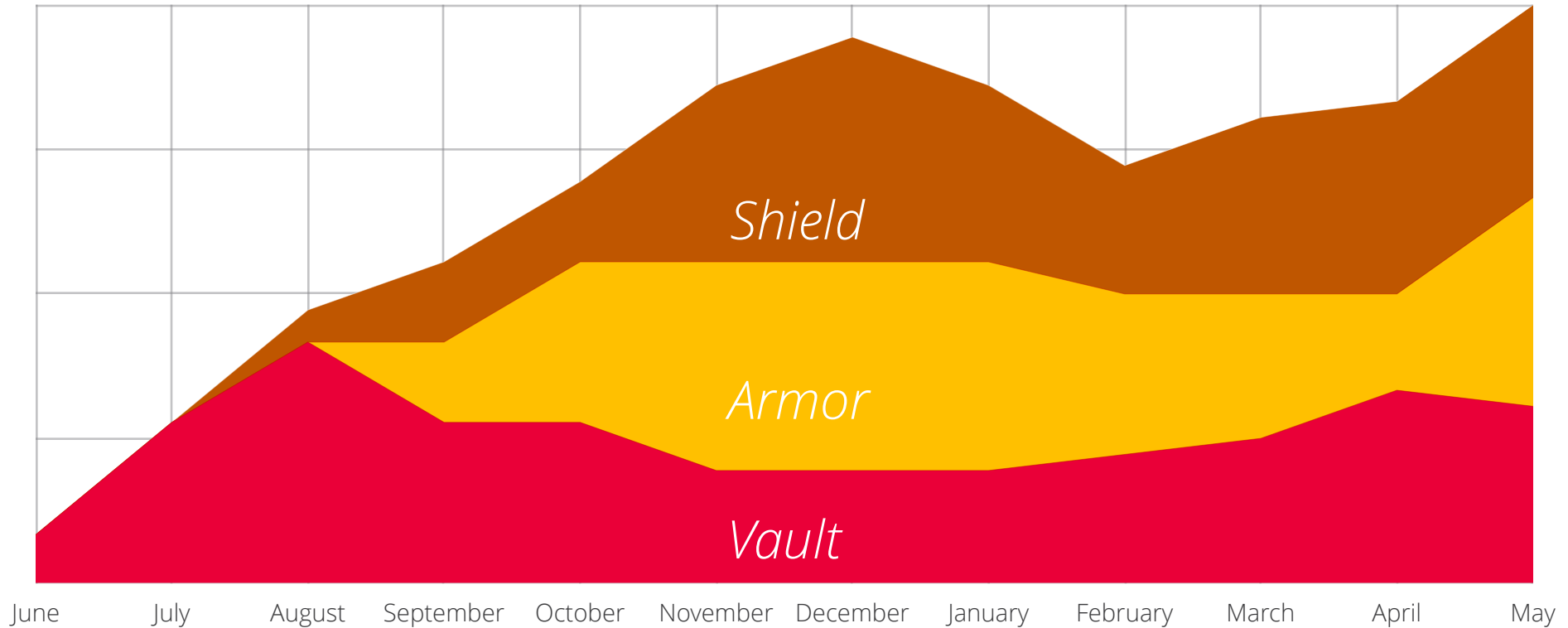
arabian
Business



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Production Capacity Projection

Projected Production Distribution ~ Approx 1.5M Pieces a Month



The image features a white background with a solid red horizontal bar at the top. On the left side, there is a large, irregular cluster of red, virus-like particles. A smaller, more spherical cluster of similar particles is located in the lower-left quadrant. The particles have a textured, bumpy appearance with some internal detail.

WHY VIROMASKS ?

Silver Technology

Silver particles are potent antibacterial and antiviral agents due to their high surface area to volume ratio and unique chemical and physical composition. The silver attracts oppositely charged viruses and binds them permanently to sulfur groups, effectively eliminating the attached viruses following short exposure to the silver. This technology also inhibits the viruses from building up resistances.



Vesicle Technology

HeiQ patent pending Vesicle technology acts as a booster to quickly neutralize viruses and bacteria. The fatty spherical vesicle technology functions by directly targeting the lipid envelope surrounding the virus. This depletes the viral membrane of its cholesterol content thereby destroying the virus.

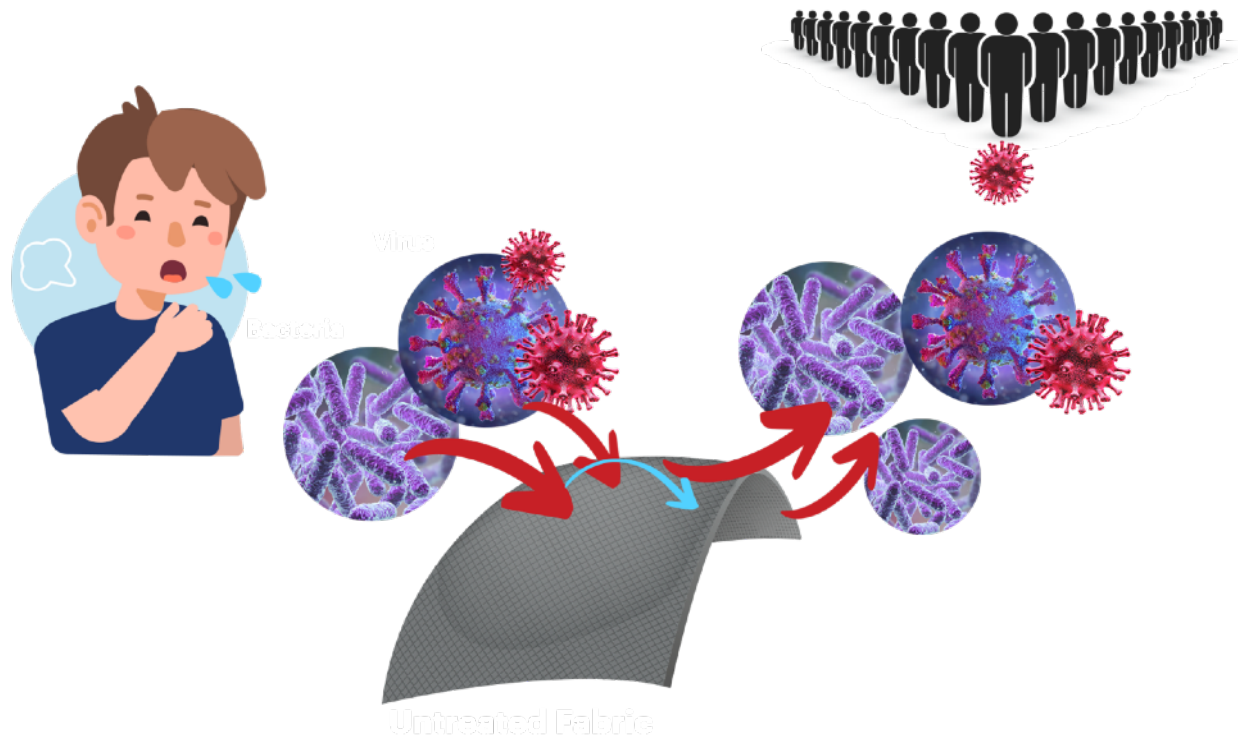


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ViroMasks Technology – Anti Viral

Limit Transmission

ViroMasks neutralizes or kills the virus on contact; unlike other masks that just trap the virus which can then bounce off to the weakest link.



Self-Contamination

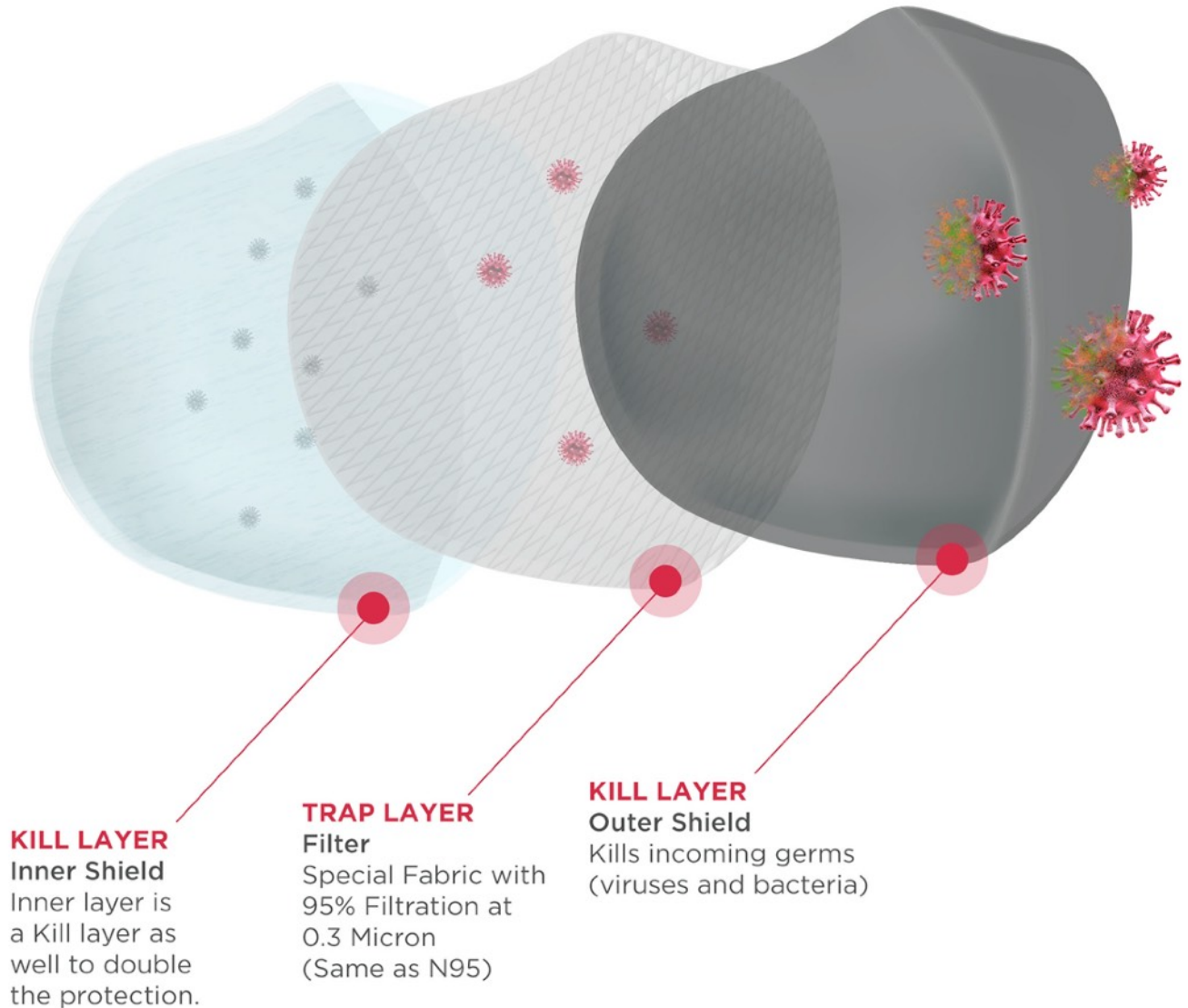
ViroMasks kills viruses on its surface within a matter of minutes unlike other mask surfaces where viruses can stay alive from 24 hours to a week. The likelihood of self contamination by wearing our masks is minimal when compared to alternates.



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ViroMasks Design

- Unique KILL – TRAP – KILL design to ensure maximum protection.
- Outer layer is treated with HeiQ Viroblock to ensure Virus neutralization on the surface.
- Inner layer is treated with HeiQ Viroblock to ensure maximum protection.



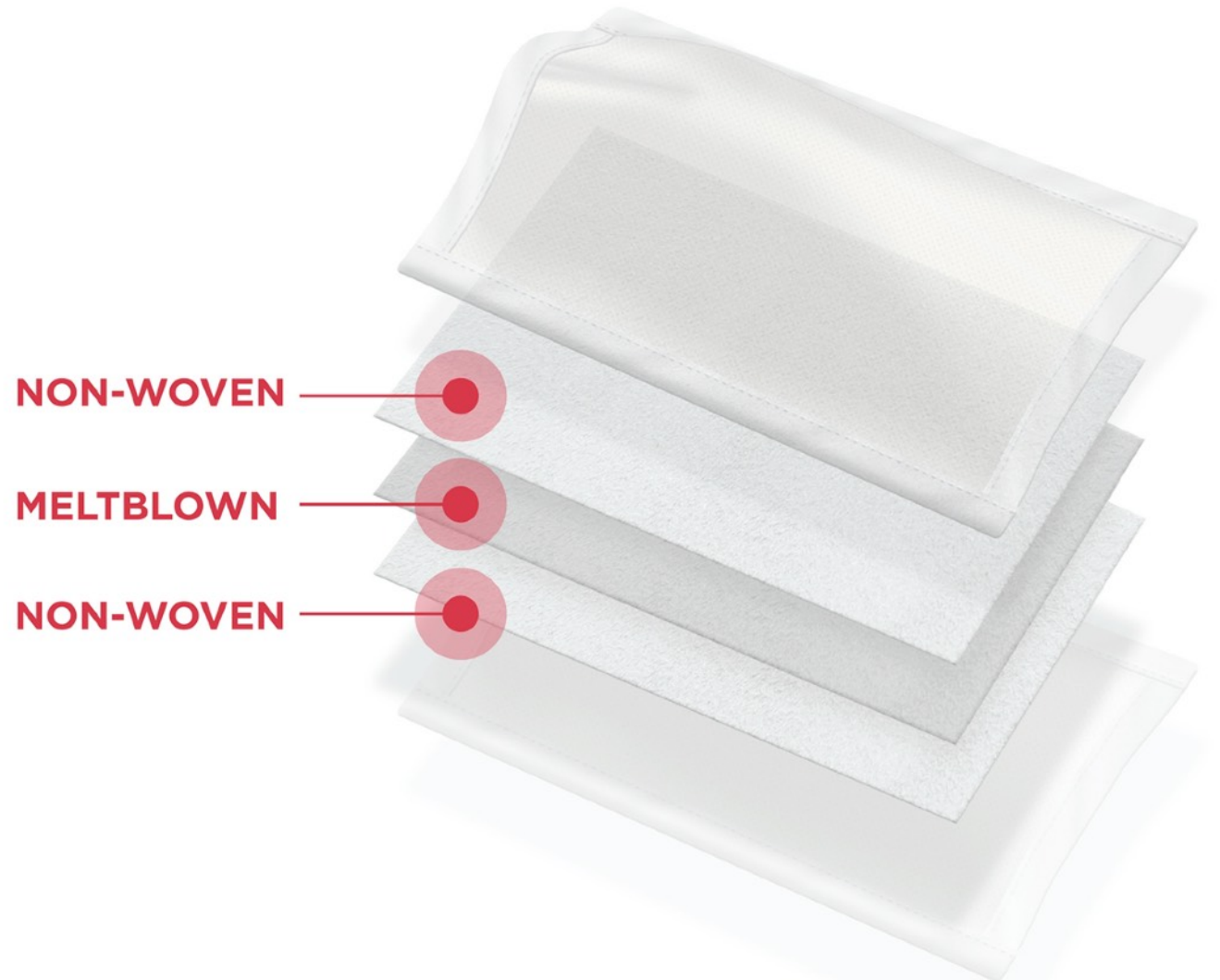
**Filtration layer is not present in Shield Series*



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ViroMasks Filtration

- The TRAP layer is statically charged Meltblown (same as N95 masks)
- Mask is reusable and washable; unique cartridge shape to keep filter dry



**Filtration layer is not present in Shield Series*



ViroMasks Design (Patent Pending)

Cup-Shaped
Breathable area

Snug fit for every face
type to ensure minimal
leakage of polluted air into
the mask.

Design inspired by N95
respirators.



Non-Breathable
Side Fabrics

**Side Fabrics are breathable in Shield Series*

The background is white with a solid red horizontal bar across the top. On the left and right sides, there are large, irregular, red organic shapes that look like clusters of cells or coral. In the lower-left quadrant, there is a smaller, more defined red circular shape with a textured, bumpy surface.

PRODUCTS PORTFOLIO

ViroMasks Series Comparison



Shield



Armor



Vault

	Shield	Armor	Vault
Category	Source Control	Medical Device Type I	Respirator PPE
Mask construction	2-layer design	3-layer kill trap kill design	3-layer kill trap kill design
Anti-Viral Double Treatment	✓	✓	✓
Tested against SARS-CoV-2	✓	✓	✓
20 Anti-Viral / 40 Anti Bacterial Washes	✓	✓	✓
Melt blown Filter 95% Filtration		✓	✓
EN149:2001+A1:2009 Compliant		✓	✓
Additional Filters Available		✓	✓
2x Exhale Valves			✓
Conformité Européenne (CE)	Not Required	✓	



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ViroMasks Vault Series



KEY INFORMATION

UPC / EAN : '0745125409290'

Size : 141 Grams | 18x12x6 CM | Box Qty: 100 | 17 KG | 60x40x40 CM

Packaging Compliance: Anti-Viral Claims

Product Liability Insurance



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ViroMasks Armor Series



KEY INFORMATION

UPC / EAN : '0745125533872'

Size : 125 Grams | 16x9x6 CM | Box Qty: 60 | 9.5 KG | 60x40x40 CM

Packaging Compliance: USA, Europe (CE)

Product Liability Insurance



ViroMasks Shield Series



KEY INFORMATION

UPC / EAN : '0745760419982'

Size : 65 Grams | 16x12x2 CM | Box Qty: 200 | 19 KG | 60x40x40 CM

Packaging Compliance: Anti-Microbial FaceMask

Product Liability Insurance



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ViroMasks Shield Series



KEY INFORMATION

UPC / EAN : '0745760419906'

Size : 25 Grams | 5x Filters per pack

Packaging Compliance: All Market Compliant

Works with Armor and Vault Face Masks

The background features a vibrant red color with abstract, organic, and cellular-like shapes. A solid red horizontal bar spans the top of the image. The text is centered in the white space below the bar.

PRODUCTS TESTING RESULTS



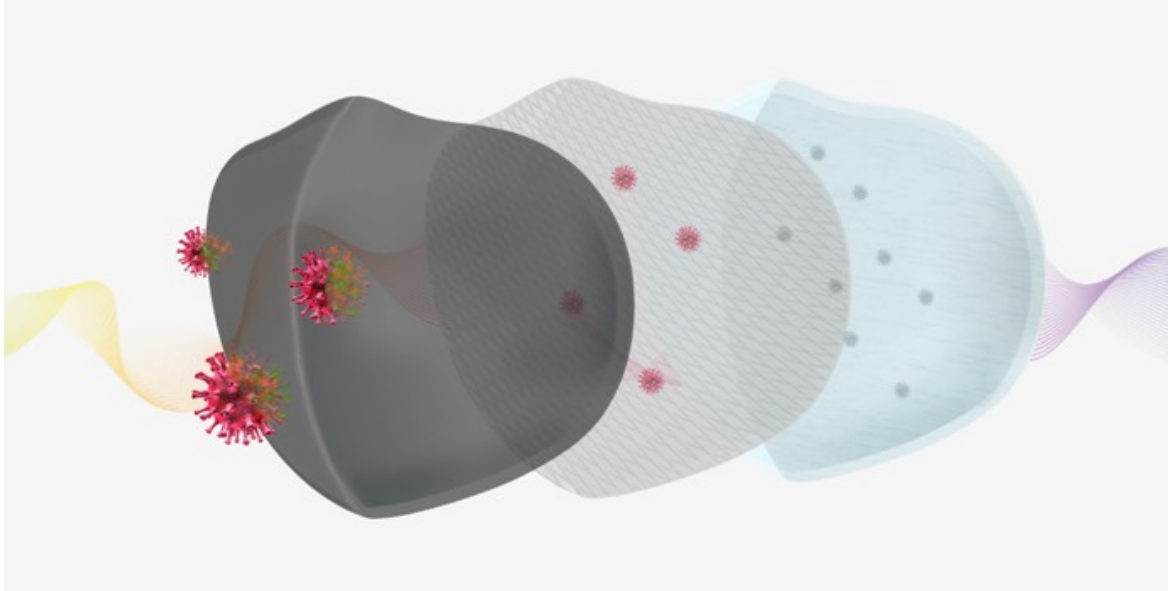
Neutralization
99.98% in 30 mins
Detailed reports
available with NDA

<i>Test Conducted</i>	<i>Description</i>	<i>Result</i>
<i>ISO 18184</i>	<i>Anti Viral Efficacy @ 10 washes</i>	<i>99.92</i>
<i>ISO 18184</i>	<i>Anti Viral Efficacy @ 20 washes</i>	<i>99.54</i>
<i>ISO 20743:2013</i>	<i>Quantitative antibacterial test</i>	<i>99.99</i>
<i>NA</i>	<i>Anti Viral Efficiency against SARS-CoV-2</i>	<i>99.99</i>



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Filtration Tests



Meltblown layers are the same layer used in N95 respirators

<i>Test Conducted</i>	<i>Description</i>	<i>Result</i>
<i>EN14683:2019</i>	<i>Breathing resistance or differential pressure</i>	<i>1.42</i>
<i>ASTM F1862</i>	<i>Splash resistance test</i>	<i>111</i>
<i>ASTM F2299:2017</i>	<i>Penetration by Particulates</i>	<i>98.5</i>
<i>16 CFR Part 1610</i>	<i>Flammability</i>	<i>Class I</i>
<i>ASTM F2101</i>	<i>Bacterial Filtration Efficiency</i>	<i>97.75</i>

**Filtration layer is not present in Shield Series*

<i>Tests Conducted</i>	<i>Description</i>	<i>Result</i>
EN149:2001 + A1:2009	Visual Inspection	Pass
EN149:2001 + A1:2009	Material	Pass
EN149:2001 + A1:2009	Cleaning and Disinfection	Pass
EN149:2001 + A1:2009	Practical Performance	Pass
EN149:2001 + A1:2009	Finish of Parts	Pass
EN149:2001 + A1:2009	Leakage	Pass
EN149:2001 + A1:2009	Compatibility with Skin	No Irritation observed
EN149:2001 + A1:2009	Flammability	Pass
EN149:2001 + A1:2009	CO2 Content of Inhalation Air	0.7
EN149:2001 + A1:2009	Head Hardness	NA
EN149:2001 + A1:2009	Field of Vision	Pass
EN149:2001 + A1:2009	Exhalation Valve	Pass
EN149:2001 + A1:2009	Clogging	NA
EN149:2001 + A1:2009	Demounted Parts	Pass
EN149:2001 + A1:2009	Breathing Resistance	Pass



- Proven effective against SARS-CoV-2 (COVID19 Causing) Virus
- Vault and Armor act as reusable respirators – Protects the wearer
- Helps mitigate business continuity risk – Cost of business closure because of COVID19 spread
- Much safer to touch the mask – Proven to neutralize 99.99% viruses within 30 mins compared to 48 hours or more in regular masks (Fabric, Fashion, Respirator, Surgical)
- High level of comfort when compared to protection offered
- Replaceable filters.
- Anti-Viral for 30 washes x 16 hours of use between washes
- Cost per hour of usage EUR 0.09 (9 cents)
- Source-Control masks (Shield Series) neutralizes viruses on the mask. Much lower threat of an outbreak

The background features a white surface with a solid red horizontal bar across the top. Several red, spherical virus-like particles with surface spikes are scattered around. Two large, irregular red shapes with a textured, cellular appearance are positioned on the left and right sides of the image.

Thank You

Stay Safe. Stay Healthy.