



ViroMasks

Breathe Pure

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- Products Portfolio
 - ViroMasks Vault Series
 - ViroMasks Armor Series
 - ViroMasks Shield Series
 - ViroMasks Filters
- Tests Conducted
- Summary

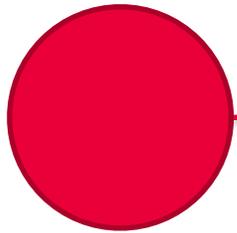


COMPANY HISTORY



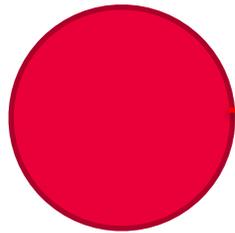
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ViroMasks History & Key Achievements



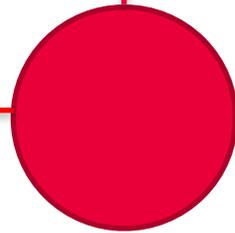
1989

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



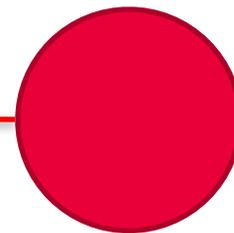
2005

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

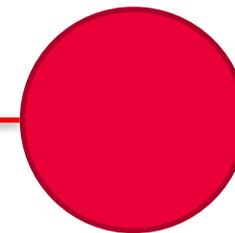


2020

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

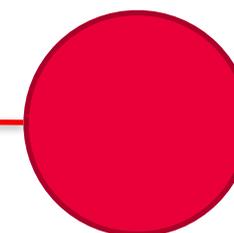


ViroMasks Vault Series
Launched.
Major success
JUNE 2020



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

البيان

Healthcare IT News

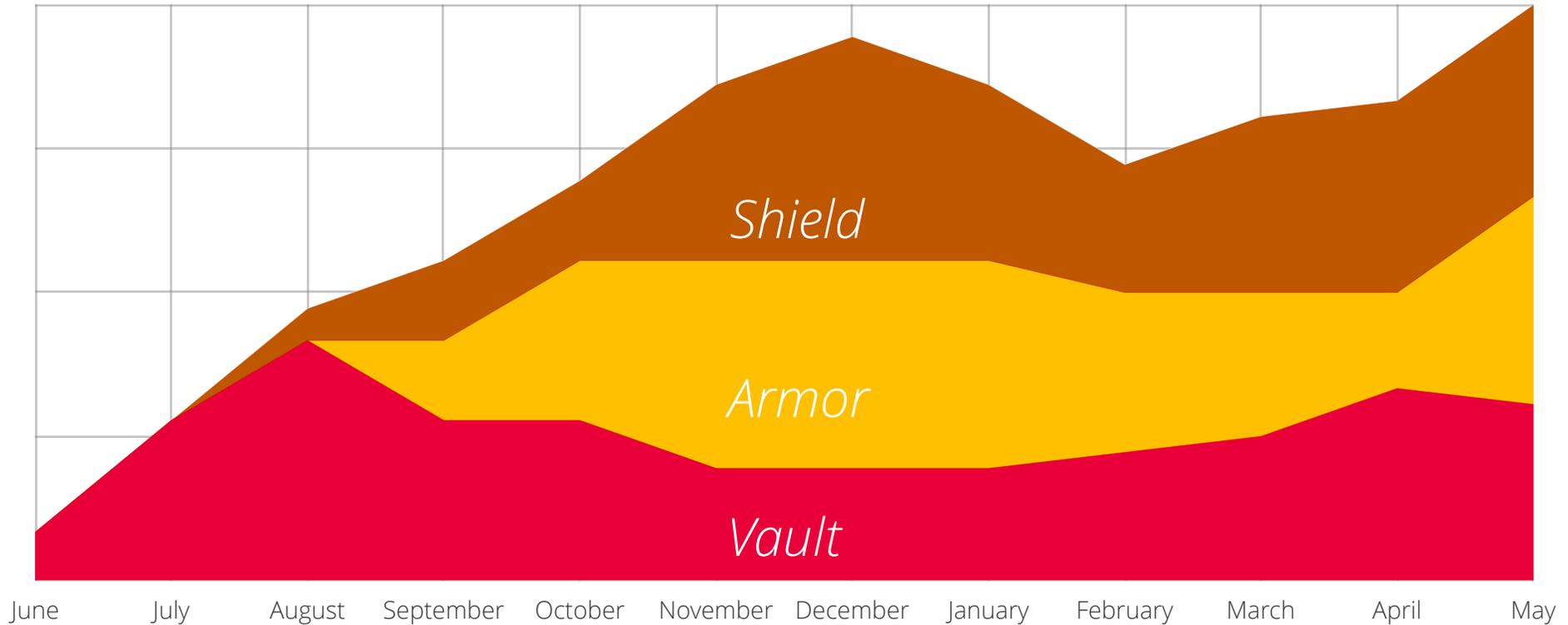
arabian
Business

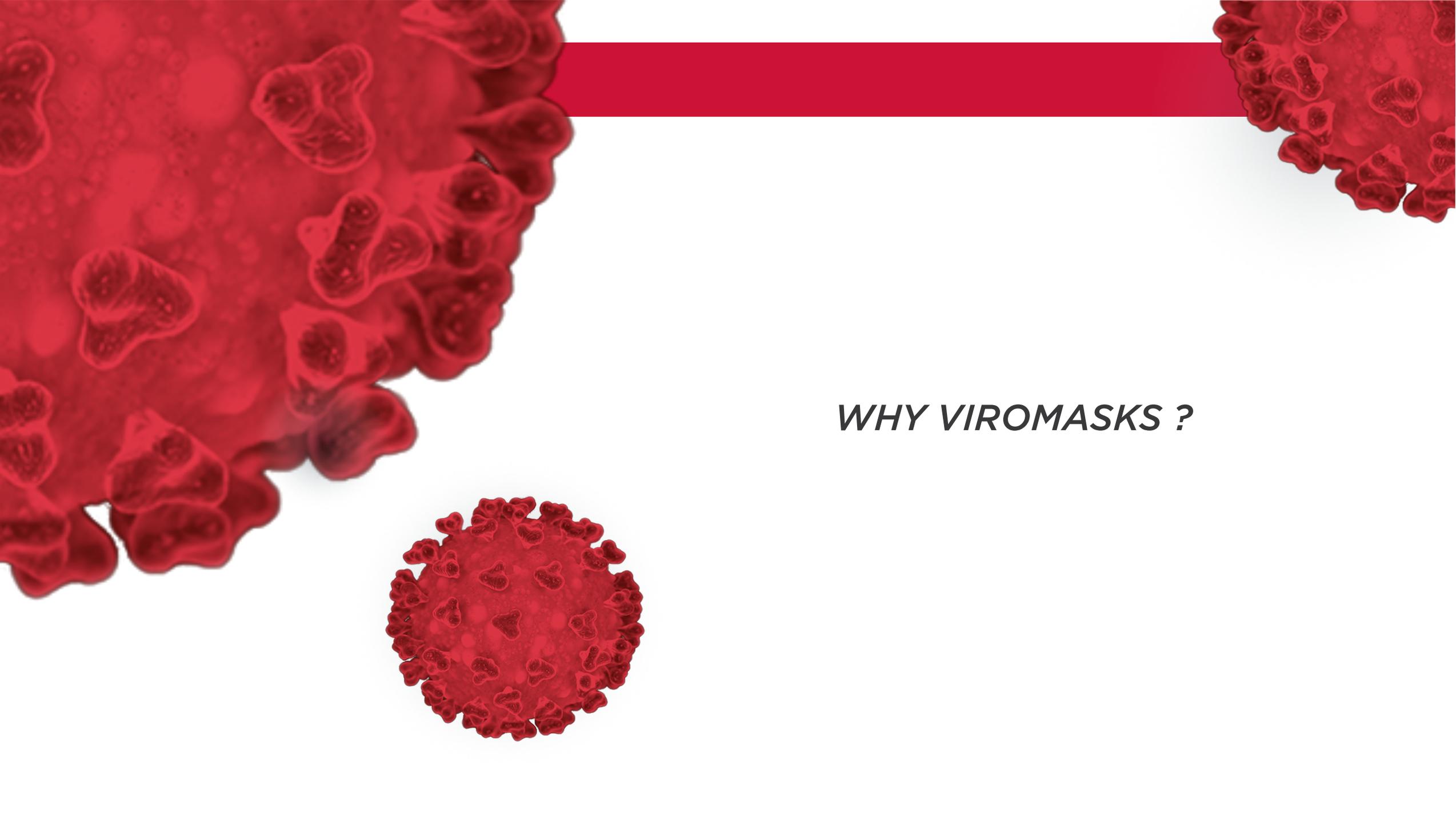


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Production Capacity Projection

Projected Production Distribution ~ Approx 1.5M Pieces a Month





WHY VIROMASKS ?



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ViroMasks Technology – Anti Viral

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.

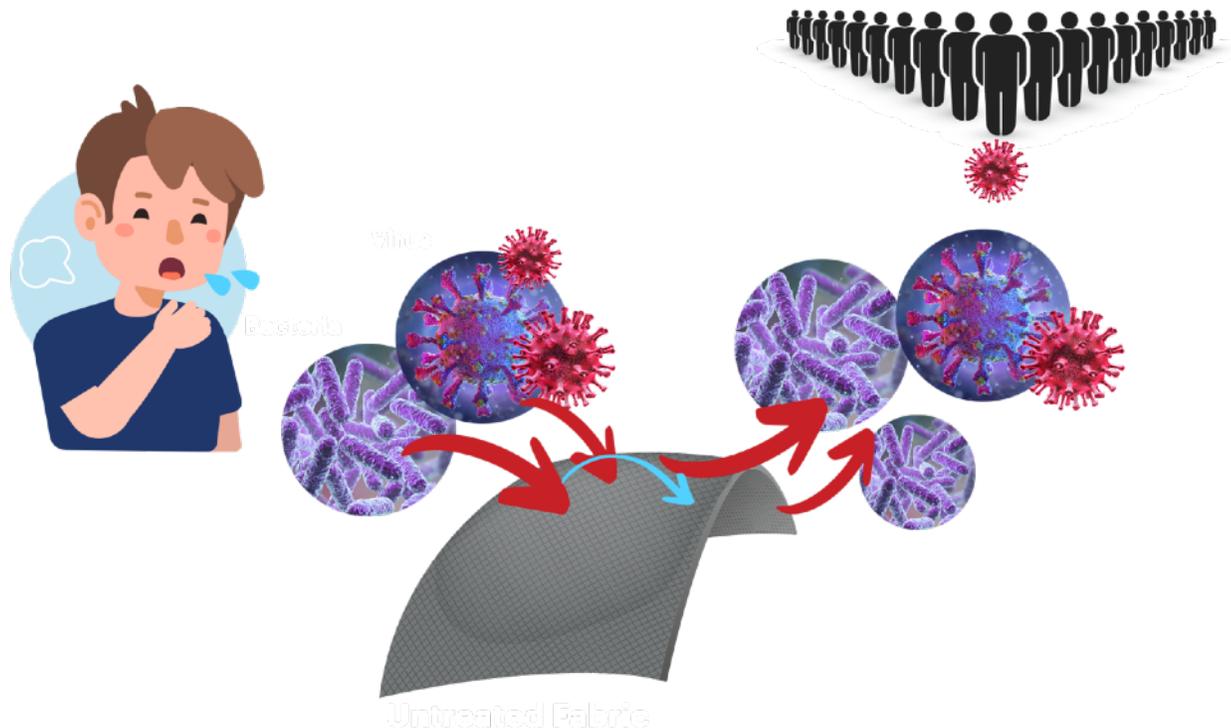


Vesicle Technology

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.

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

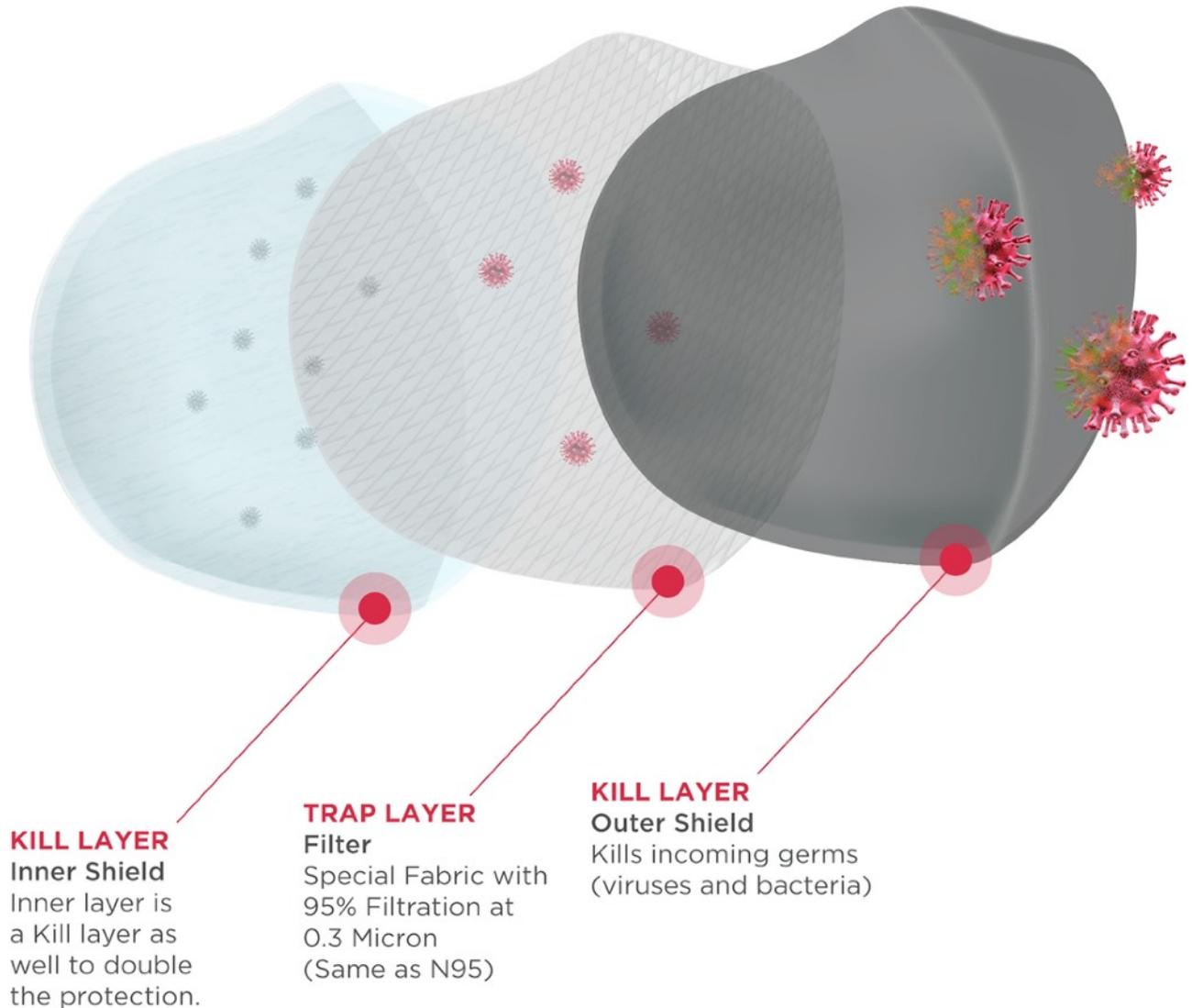
ViroMasks kills viruses on its surface within a matter of minutes unlike other mask surfaces where viruses can stay alive from 24 hours to a week. The likelihood of self contamination by wearing our masks is minimal when compared to alternates.



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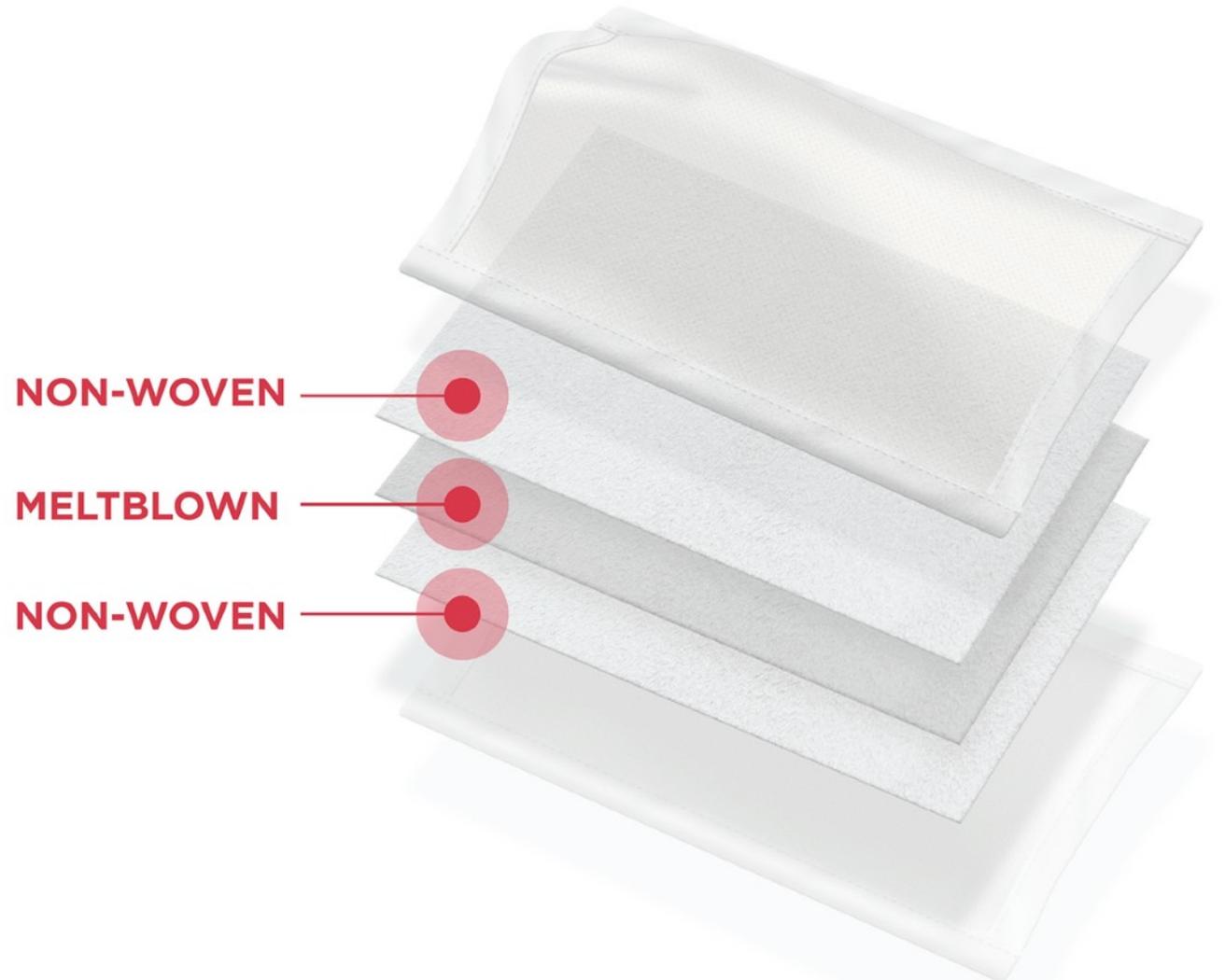
ViroMasks Design

- 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*

- 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.

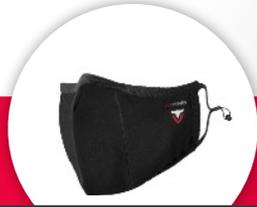
Non-Breathable
Side Fabrics

**Side Fabrics are breathable in Shield Series*

The background features a vibrant red color with abstract, organic, and cellular-like shapes. A solid red horizontal bar spans across the top of the page. The overall aesthetic is modern and scientific.

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



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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 image features a white background with a prominent red horizontal bar at the top. On the left and right sides, there are large, abstract, red, textured shapes that resemble clusters of cells or organic forms. In the lower-left quadrant, there is a smaller, circular red textured shape. The text 'PRODUCTS TESTING RESULTS' is centered in the white space, rendered in a bold, italicized, black sans-serif font.

PRODUCTS TESTING RESULTS



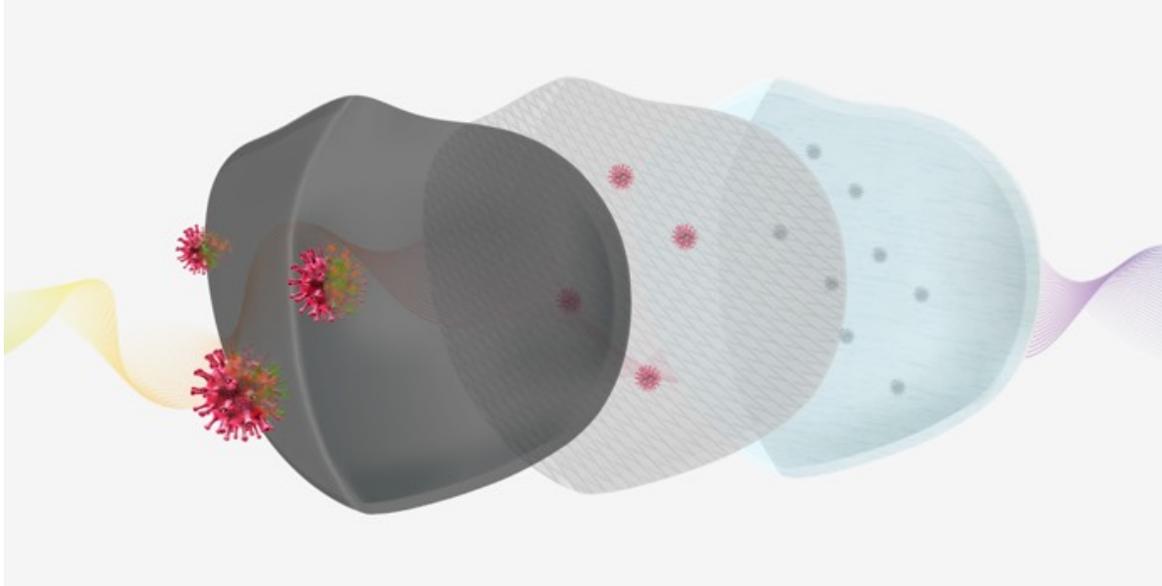
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Anti-Viral Test Results



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>



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*



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EN149:2001 European Respirator Standards

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

**Not applicable on Shield Series*



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Summary

- 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



Thank You

Stay Safe. Stay Healthy.