COVID-19 PROTECTION & DISINFECTION
PRODUCT RANGES
Mulk Holdings International is a multinational conglomerate with diversified business interests in Manufacturing of Exterior Façade panels Metal, Healthcare, Aluminum Coil Coatings, Plastic Industries, Real Estate and Cricket Assets. Mulk Holdings is listed number 7 by FORBES in the list of "Top 100 Indian Companies" in the Arab World, and Number 8 by Arabian Business in the list of "Most Admired Companies" in the GCC. The company with its headquarters based in Hamriya Freezone Sharjah, U.A.E is spread across Europe, U.S.A, Africa, Turkey, India and Middle East. Mulk Holdings' flagship brand Alubond U.S.A.- Metal Composites has grown into the world's largest Metal Composite brand with operations in 11 countries and market reach of 90 countries.

MetalPlast Industries is a leading manufacturer of raw materials for various industries such as the ACP Core, Medical Masks, Packaging, Cable, Chemical Compounding, Medical and Solid Surface, and a total solution provider to these industries by being a source for their raw materials. Founded in 2008, MetalPlast has seen exceptional growth by sticking to our core strength which is delivering quality products on time. Our list of satisfied customers includes Alubond USA - world’s largest ACP brand and Royal Corporation FZC – the largest chemical trader in the Middle East. Our latest addition is the range of Covid19- protection products. We currently export to over 20 countries which is operating from three manufacturing bases.
STAYSAFE

DISINFECTION

I STAYSAFE DISINFECTION CHANNEL
I TEMPERATURE GAUGE
I FACE RECOGNITION TEMPERATURE TERMINAL
I SANITIZER DISPENSER
I ATOMIZER FOGGER
I DISINFECTION FOGGER
I UVC HANDHELD SANITISER
I ESCALATOR UVC SANITISER

TESTING KITS

I COVID19- ANTI BODY TESTING

PROTECTION

I KN95 MEDICAL PROTECTIVE MASK
I N95 MEDICAL PROTECTIVE MASK
I 3 PLY NON WOVEN DISPOSABLE MASK
I DISPOSABLE GOWN/ BED COVER/ GLOVES/ CAP
I SANITIZERS
I ANTI BACTERIAL WIPES

EQUIPMENT

I ICU BEDS
STAYSAFE DISINFECTION CHANNEL is a solution to minimize the risk of systemic attacks of Viruses like COVID-19 and accelerate the speed of disinfection in open urban spaces. Its advanced design can monitor a large area with effective measures to track the symptoms and sterilize the highest numbers in a systematic way.

APPLICABLE PLACES
- Schools
- Shopping Malls
- Bus Stations
- Factories
- Metro Stations
- Hotels

STAYSAFE DISINFECTION CHANNEL is fire rated and certified by the authorities. Misting System works by evaporating in seconds, creating light damp and fogging, a diffuser effect we minimize wetting of cloths, which evaporates in no time.

Product comes with a standard dimension, however it can be customized as per requirements as we are the only company in UAE that personalizes the product as per design and aesthetics of the surrounding. We provide the entire product as a turnkey solution as we have in-house assembling, chemical manufacturing and a team of engineers who can set up the unit in no time. From Design to deployment can be done as one stop solution. We have over 16 years of experience in facility Management Supply, details can be provided to clients.

Sensors allow automatic spraying as soon as someone enters the Tunnel. In one hour continuous usage approximately 45 liters of disinfectant is consumed.

All certifications for the products can be provided and details regarding the sanitizing liquid can be provided to prospective clients.

OUR ADVANTAGE
- The equipment is easy to install and operate, no complicated operation is required, connect the power supply, and add the disinfectant to use.
- Intelligent induction start, no contact with personnel during the whole process, avoid cross infection.
- Equipment can be moved, suitable for various occasions.
- Food grade disinfection, no harm to human body.
- Comprehensive disinfection, high disinfection efficiency.
INFRARED TEMPERATURE MEASUREMENT can measure body temperature without contact at a long distance, which can effectively avoid cross infection. Voice prompt for normal body temperature, voice alarm for overheated body.

NON-CONTACT INDUCTION SPRAYER in the temperature measurement area can effectively sterilize the hand.

STOP WHEN PEOPLE WALK: A microwave sensor is installed at the equipment port. When a person enters, they can automatically start the mist machine and spray the disinfectant into the passage. It will stop automatically when people walk to avoid liquid waste.

THE UNIFORM SPRAY METHOD is used in the disinfection channel, instead of directly spraying the human facial organs, the mist is more refined and no waste is caused.

THE ENTRANCE AND EXIT of the equipment are equipped with non-slip pedals, so that the elderly, children, wheelchairs and travellers can easily enter and exit.

FULLY CONSIDER the use of different scenes, there is a water discharge lamp in the channel, which can be used at night or in a dark place.

THERE ARE FOUR CASTERS on the bottom of the device, with brakes. Can quickly reach the designated location for installation and use. The installation is simple and quick. It only needs to be connected to the power supply and filled with disinfectant.

HOW IT WORKS?

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>H01-021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Channel Length</td>
<td>116cm</td>
</tr>
<tr>
<td>Temperature Measurement Channel Length</td>
<td>64cm</td>
</tr>
<tr>
<td>Fog Way System</td>
<td></td>
</tr>
<tr>
<td>Human Induction Method</td>
<td></td>
</tr>
<tr>
<td>Microwave Detection</td>
<td>2.22<em>1.22</em>2.4m</td>
</tr>
<tr>
<td>Spray Control Method</td>
<td></td>
</tr>
<tr>
<td>Internal Channel Size</td>
<td>2.22<em>1.1</em>1.95m</td>
</tr>
<tr>
<td>Spray Efficiency</td>
<td></td>
</tr>
<tr>
<td>Spectral Range</td>
<td>814um</td>
</tr>
<tr>
<td>Voltage</td>
<td>AC220V</td>
</tr>
<tr>
<td>Spray Area Protection</td>
<td></td>
</tr>
<tr>
<td>Body Temperature Collection Distance</td>
<td>10~20cm</td>
</tr>
<tr>
<td>Rate Power</td>
<td>900W</td>
</tr>
<tr>
<td>Spray Disinfection Waiting Time</td>
<td>Recommended 5~15 seconds, customizable time</td>
</tr>
<tr>
<td>Body Temperature Collection Location</td>
<td>Inside forehead or wrist (non-contact)</td>
</tr>
<tr>
<td>Use Noise</td>
<td>&lt;36dB</td>
</tr>
<tr>
<td>Disinfectant Capacity</td>
<td>20L</td>
</tr>
<tr>
<td>Body Temperature Acquisition Accuracy</td>
<td>±0.5 degrees at room temperature</td>
</tr>
<tr>
<td>Use Environment</td>
<td></td>
</tr>
<tr>
<td>Disinfectant Type</td>
<td>HClO</td>
</tr>
<tr>
<td>Body Temperature Detection Output</td>
<td>Ox Green light + single beep</td>
</tr>
<tr>
<td>Detection Of Over Temperature Output</td>
<td>Red light + continuous alarm tone</td>
</tr>
<tr>
<td>Rainproof Function</td>
<td>Equipment housing with rain protection</td>
</tr>
<tr>
<td>Hand Disinfection</td>
<td>Independent area induction spray type disinfectant</td>
</tr>
<tr>
<td>Temperature Collection Time</td>
<td>2s</td>
</tr>
<tr>
<td>Equipment Body Material</td>
<td>Cold rolled steel plate</td>
</tr>
<tr>
<td>Temperature Display Panel</td>
<td>2.3.4 Digital Tube</td>
</tr>
<tr>
<td>Body Temperature Collection Range</td>
<td>34~45degrees</td>
</tr>
</tbody>
</table>

PACKAGING

This is a foldable sanitizing system and can stuff 18 pieces in 20 feet containers and 36 pieces in 40 feet containers.
STAYSAFE

INTELLIGENT TEMPERATURE MEASUREMENT AND DISINFECTION PRODUCTS

ONE STOP DISINFECTION SOLUTIONS

- Temperature Gauge
- Sanitizer Dispenser
- Atomizer Fogger
- Disinfection Fogger
- Face Recognition Temperature Terminal
- UVC Handheld Sanitiser
- Escalator UVC Sanitiser
STAYSAFE SARS-CoV-2 Antibody Test (Lateral Flow Method) is an immunochromatographic assay for rapid, qualitative detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) IgG/IgM antibody in human whole blood, serum or plasma sample. The test is to be used as an aid in the diagnosis of coronavirus infection disease (COVID-19), which is caused by SARS-CoV-2. The test provides preliminary test results. Negative results don’t preclude SARS-CoV-2 infection and they cannot be used as the sole basis for treatment.

20 Individual sealed pouches, each pouch contains:
- 1 x Test cassette
- 1 x Desiccant pouch
- 20 disposable droppers
- Detection buffer (1*6 mL)
- Instructions for use

STORAGE AND STABILITY
- Store at 2ºC~30ºC in the sealed pouch up to the expiration date printed on the package. Do not freeze.
- The test cassette should be used within 1 hour after taking out from the foil envelope. Buffer solution should be re-capped in time after use.
- Keep away from sunlight, moisture and heat.
- Kit contents are stable until the expiration date printed on the outer box.

When the specimen is added into the test device, the specimen is absorbed into the device by capillary action, mixes with the SARS-CoV-2 antigen-dye conjugate and flows across the pre-coated membrane. When the SARS-CoV-2 antibodies level in the specimen is at or above the target cutoff (the detection limit of the test), the antibodies bound to the antigen-dye conjugate are captured by anti-human IgG antibody and anti-human µ chain antibody immobilized in the Test Region (T) of the device, and this produces a colored test band that indicates a positive result. When the SARS-CoV-2 antibody level in the specimen is zero or below the target cutoff, there is not a visible colored band in the Test Region (T) of the device. This indicates a negative result. To serve as a procedure control, a colored line will appear at the Control Region (C), if the test has been performed properly.
PREPARATION

Constant temperature: open the carton, pick out the inner package, leave at room temperature, wait 30 mins.

SAMPLE COLLECTION

1. Massage
Massage leech-finger pulp of the left

2. Disinfect
Wipe the blood collection site with

3. Penetrate
Hold the disposable sterile blood collection needle to penetrate from the ventral ulnar side of fingertip by right hand, with the depth 3-2mm, and then pull out the needle immediately.

4. Wipe off
After the blood flows naturally, wipe off the first drop with an aseptic dry cotton ball.

TESTING PROCESS

1. Load sample
A total of 20µl whole blood was loaded to the sample hole of the detection card.

2. Dilute
Load 3-2 drops of the diluent to the sample hole of the detection card, and start the timer.

3. Read
Leave the detection card at room temperature for 10 mins-20 mins, and then read results which will be invalid 20 mins later.

RESULT

Suck blood to the tick mark of the disposable micropipette, and then press wound with the aseptic dry cotton ball (cotton swab) to stop bleeding; If the blood flows disfluently, pressurize the left hand (from the remote part of the blood collection site to the fingertip) slightly to make blood flow out.
N95 MEDICAL PROTECTIVE MASK

The N95 mask refers to the United States NIOSH certification, the standard is also non-oily particulate matter filtration efficiency ≥ 95%. The actual effect of N95 the non-oily particle filtration efficiency ≥ 95%, which is very effective for COVID-10 coronavirus protection.

SIZES

<table>
<thead>
<tr>
<th>Size</th>
<th>Auricle - Nose tip (mm)</th>
<th>Nose Bridge - Chin (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>170-195</td>
<td>130-145</td>
</tr>
<tr>
<td>M</td>
<td>155-175</td>
<td>120-135</td>
</tr>
<tr>
<td>S</td>
<td>140-160</td>
<td>110-125</td>
</tr>
</tbody>
</table>
**N95 Medical Protective Mask**

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certification/Class (Standard)</td>
<td>N95</td>
</tr>
<tr>
<td>Filter Performance – (must be ≥ X% efficient)</td>
<td>≥ 95%</td>
</tr>
<tr>
<td>Test Agent</td>
<td>NaCl</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>85 L/min</td>
</tr>
<tr>
<td>Total Inward Leakage (TIL)* – tested on human subjects each performing exercises</td>
<td>NA</td>
</tr>
<tr>
<td>Inhalation Resistance – max pressure drop</td>
<td>≤ 343 Pa</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>85 L/min</td>
</tr>
<tr>
<td>Exhalation Resistance – max pressure drop</td>
<td>≤ 245 Pa</td>
</tr>
<tr>
<td>Exhalation Valve leakage requirement</td>
<td>Leak rate ≤ 30mL/min</td>
</tr>
<tr>
<td>Force applied</td>
<td>≤245 Pa</td>
</tr>
<tr>
<td>CO2 clearance requirement</td>
<td>NA</td>
</tr>
</tbody>
</table>

### PACKAGING

- 10/15 Pieces/box
- 1000 Pieces/Carton
- Carton Size: 63x53x43CM
KN95 MEDICAL PROTECTIVE MASK

KN95 Masks are actually masks that meet the requirements of China GB2626 standards, and “GB” means China standards. This refers to the filtration efficiency of ≥95% for non-oily particles.

The US Centers for Disease Control (CDC) says KN95 masks are as effective as N95 masks and are one of the many "suitable substitutes" for N95 masks that are in short supply. According to many leading mask makers in the world, the KN95 is equivalent to the N95 mask and can be expected to be very similar in function.

Therefore, in the case of a shortage of epidemic prevention resources, KN95 can play the same protective role as an N95 mask.

- Cup-shaped 3-5 layered Mask
- Fabric: 50 GSM melt brown non-woven fabric for the middle
- 30 GSM around non woven fabric for front
- 30 GSM around non woven fabric for cotton back
- Ultrasoic welding strap attachment:
- Adjustable Nose Clips
- FDA & CE Certified Certification

SIZES

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# KN95 Medical Protective Mask

## Specifications

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</thead>
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</tr>
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<td>≥ 95%</td>
</tr>
<tr>
<td>Test Agent</td>
<td>NaCl</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>85 L/min</td>
</tr>
<tr>
<td>Total Inward Leakage (TIL)* – tested on human subjects each performing exercises</td>
<td>≤ 8% leakage (arithmetic mean)</td>
</tr>
<tr>
<td>Inhalation Resistance – max pressure drop</td>
<td>≤ 350 Pa</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>85 L/min</td>
</tr>
<tr>
<td>Exhalation Resistance – max pressure drop</td>
<td>≤ 250 Pa</td>
</tr>
<tr>
<td>Exhalation valve leakage requirement</td>
<td>Depressurization n to 0 Pa ≥ 20 se</td>
</tr>
<tr>
<td>Force applied</td>
<td>-1180 Pa</td>
</tr>
<tr>
<td>CO2 clearance requirement</td>
<td>≤ 1%</td>
</tr>
</tbody>
</table>

## Packaging

| 10/15 Pieces/ box, 1000 Pieces/Carton | Carton Size: 63x53x43CM |
3 PLY NON WOVEN DISPOSABLE MASK

- Materials used and in contact are harmless to user’s skin.
- Filter material is harmless to human body.
- Materials used are of sufficient strength and are not deformed or damaged during normal service life.
- Design, composition of masks and materials used does not pose any danger to the user.
- Surface of the masks are not damaged, deformed and free from all defects.
- Materials used are structurally sound and are able to withstand normal use conditions, temperature, humidity and mechanical shock that is encountered.
3 PLY NON WOVEN DISPOSABLE MASK

Top Layer 25 GSM PP Non-Woven/Adjustable Bridge Nose
Middle Layer 25 GSM PP Melt-Blown (Fiber)
Bottom Layer 25 GSM PP Non-Woven
Attachment Ear Loop

PACKAGING
- Single Mask Package (50 Pieces/Box)
- (50 pieces x 50 boxes = 2500 pieces/carton)
- Shipping Time: 7-10 days maximum by air freight
PROTECTION

WE SUPPLY MEDICAL PRODUCT RANGES FROM:

- Sanitizer (Alcohol based 60ml, 100ml, 500ml)
- Refreshment Wipe/Hand Wipe
- Wet Anti Bacterial Wipe (10 pcs 20pcs 40 pcs)
- Baby Wipe
- Bouffant Cap
- Disposable Gown
- Foot/Shoe Cover
- Disposable Bed Sheet
- EVA Film Gloves
- Surgical/Medical Examination Rubber Gloves
ICU BED

EQUIPMENTS

TECHNICAL SPECIFICATIONS

- Overall Length : 228 cm
- Overall Length extension : 246 cm
- Overall Width : 113 cm
- Height (Fixed) : 50 cm
- Backrest Angle(Max) : 70°
- Legrest Angle (Max) : 34°
- Castor Diameter : 125 mm
- Under Bed Clearance : 15 cm
- Product Weight : 120 kg
- Safe Working Load (with Accessories) : 240 kg

SPECIFICATIONS

- Electrical operated backrest and largest adjustment
- Electrical operated fowler and vascular positions.
- Patient handset
- Auto-CPR
- Double Auto regression system on backrest and largest
- Auto contour
- Hygienic design (PP), lockable and tuck away side rails
- Tubular Steel frame with easy removable ABS plastic covers
- Removable headboard and footboards.
- Diagonally lockable castors.
- Electrostatic painted metal frame.
- Height adjustable stainless steel IV pole.
- Easy adjustable knee break position.
- Plastic crash bumpers on each corner.
- Dual sided manual CPR at backrest. (Optional)
- Angle gauge for back.
STAYSAFE
TOGETHER WE WIN

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