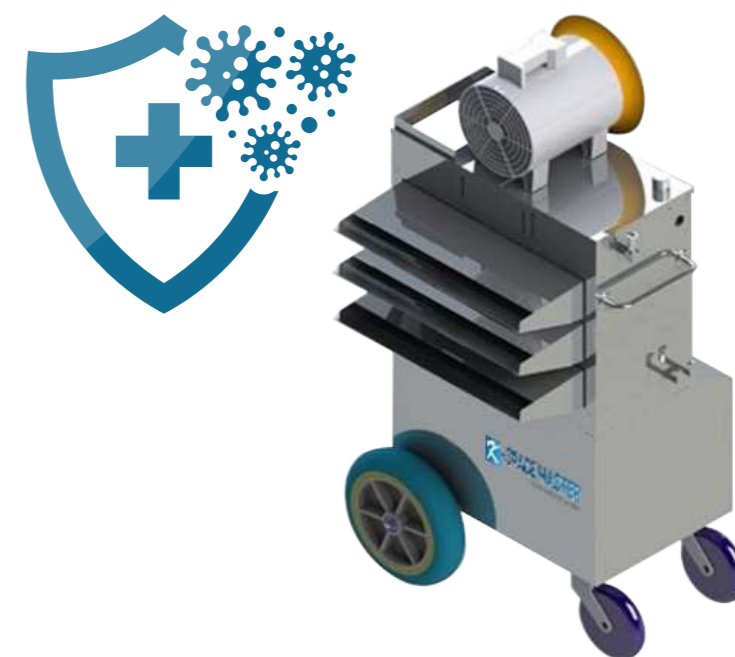


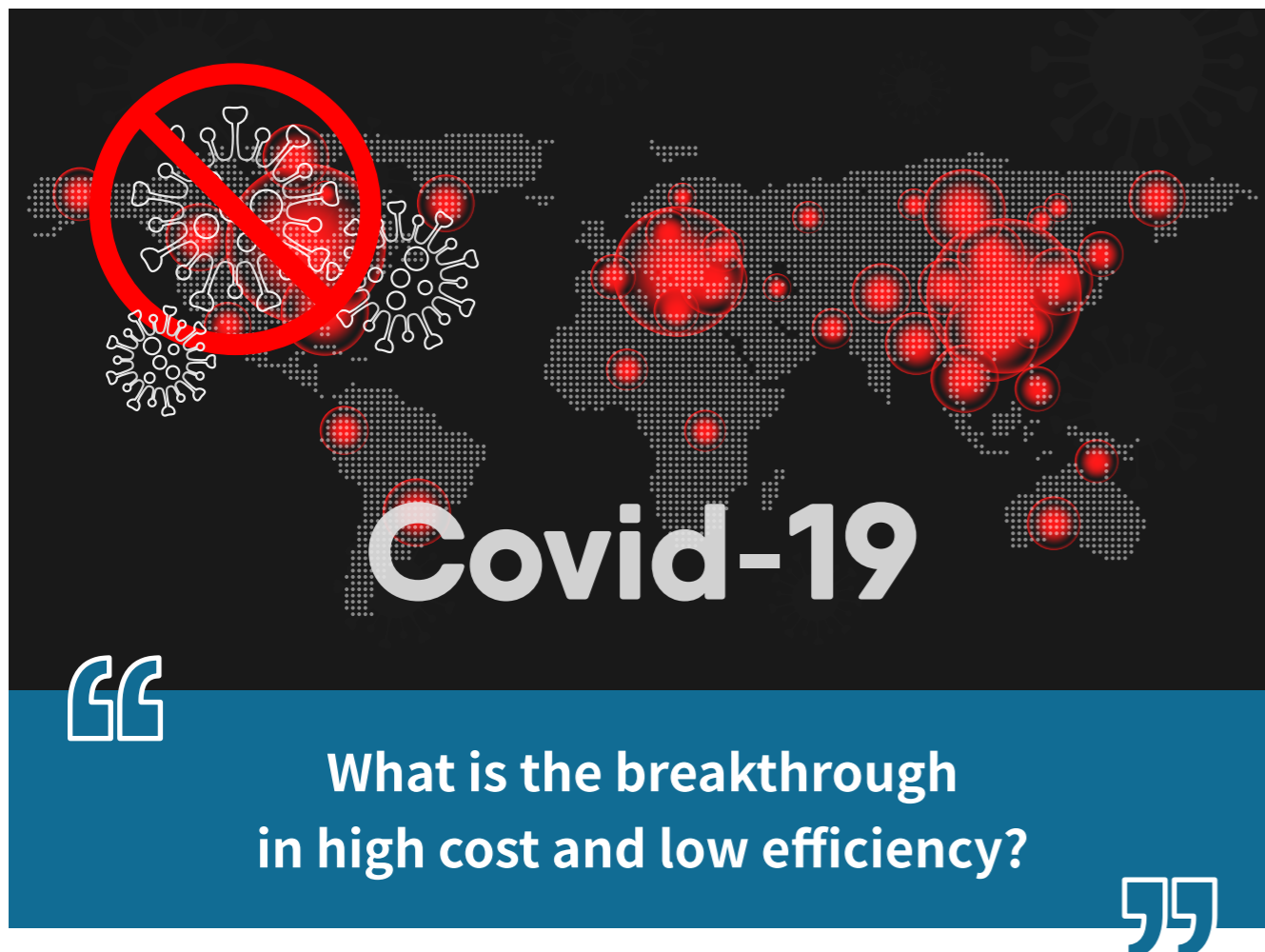
 **-SPACE MASTER**
The best solution for Quarantine





Why do you want to
continue the way with

Less than 50%
effectiveness?



“ 99.9% ”
effectiveness with unmanned system
**Best option for the
PUBLIC HEALTH SYSTEM**



**Spraying ultrafine
particles at room
temperature**

Sprayed in the form of ultra-fine particles that are smaller than air at room temperature without changing the fragility (4.3 μm ~ 11 μm)

If the particle size decreases to 1/10, the number of particles increases by 1000 times, and the surface area per volume increases by 100 times.



**Use of less chemical /
maximize pesticide
sterilization**

High control effect with
40 ~ 60% of chemical.

The smaller the particle size,
the faster the air dilution and
photolysis by sunlight.

Time for the particle to fall 1 m
10 μm / 20 minutes



**Almost no
residual drug**

No damage to electronic equipment
and interior documents
(no stains and corrosion)

The smaller the particle size,
the greater the number of particles
and surface area, which can increase
the contact frequency.



**Minimize
environmental
pollutants**

No soil /
water pollution

Minimizing air
pollution

- High Effect: 95~100%
- Saving Labor Cost: Upto 90%
- Very Less Chemical Remaining: 1/22 (Standard 3ppm) Eco friendly
- Chemical & Water Saving: Upto 60% Saving operational cost

Product Features_Details

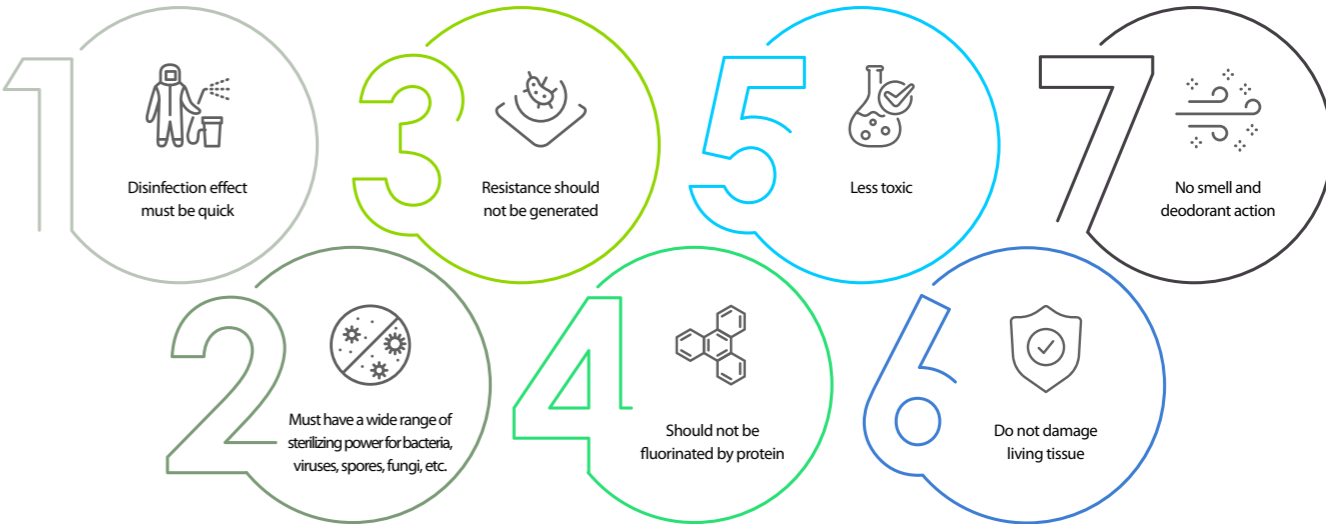
Configuration	Characteristic	Content
Vaporize at room temperature	Low temperature boiling	<ul style="list-style-type: none">There is no weakening of drug or ChemicalIt is not a vaporization method due to heat, so there is no change in fragility.
	Non-combustion method	<ul style="list-style-type: none">No oxidation pollutants and dioxinSO2 participates in the breathing physiology of plants and breaks chlorophyll by penetrating into the pores and drainage holes of the leaves.
Ultrafine particle injection	Particles lighter than air (4.3 μm~11 μm)	<ul style="list-style-type: none">Chemical saving (40~60%)When the particle size decreases to 1/10, the number of particles increases by 1000 times and the surface area increases by 100 times.Because it floats in the air for a long time (diffusion / permeability), it can control pests and harmful bacteria.
	Very little chemical residue	<ul style="list-style-type: none">No food residues and plant damage (minimization)No damage to electrical / electronic equipment and interior, documents, copy (cloth), and other objectsConventional combustion (heating) method generates oxides, especially SO2 and SO3 corrode electronic products and metallic products.No soil or water pollutionMinimizing air pollution
Reference	<ul style="list-style-type: none">Smoke machines (heated fumes) generate oxidizing pollutants and highly toxic dioxinsSmokers (combustion temperature 400-600) particles are 2-40, smokers (heating temperature 200-700) is about 2-6.	

K-SPACE MASTER performance comparison

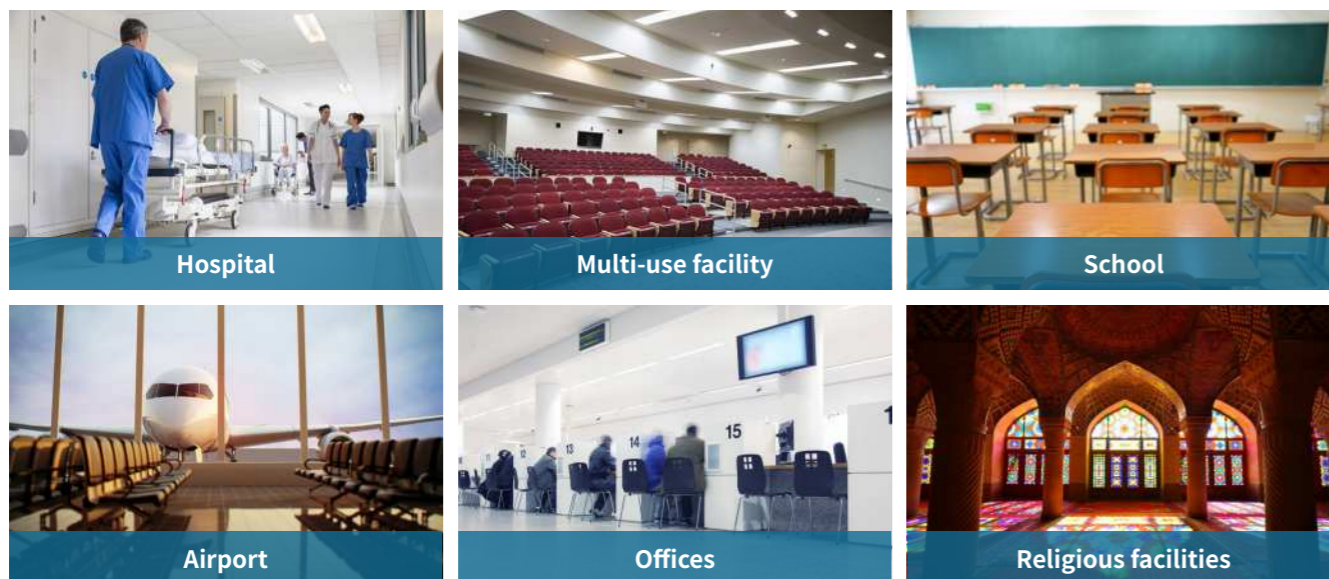
Spray equipment performance comparison		K-SPACE MASTER	Ultrafine atomizer(ULV)	Smoke / smoke
Technology	Spray method	Ultrafine atomization	Ultrafine spray	Heating (combustion) method
	Particle size	4.3 μm~11 μm	Aerosol 20 μm	Oxidizing gas (0.1~40 μm)
	Diffusivity&permeability	Light like air	Heavier than air	Heavier than air
Eco-Friendly	Residual	X	Big	small
	Vandalism	X	Slight damage	Slight damage
Effectiveness	Space sterilization power	99% sterilization	Normal	Almost none
	Insecticidal	Excellent (integrated Control)	Normal	Low (less than 20%)
	Time	Fast Control (1~2hrs)		4~12 hrs
Remark				Oxidative pollutants

Action and conditions of field control & quarantine

1. Disinfection	How to kill pathogens but survive nonpathogenicity (chemicals, pasteurization, etc.)
2. Sterilization	Pathogenicity, non-pathogenicity, and spore killing all microorganisms (flame, dry heat, high pressure steam, filtration, chemical sterilization, etc.)
1. Physical disinfection	Heat (incineration, wet heat, dry heat), flame, ultraviolet light, radiation
2. Chemical disinfection	Disinfectant
3. Physical and chemical disinfection	Disinfectant and heat mixing
1. density	Disinfectant is not necessarily effective because it has a high concentration, but the effect may be different depending on the type of disinfectant and the object to be applied.
2. Temperature	In general, the sterilizing power is doubled when the temperature increases by 10 degrees, but chlorine, etc., decreases when the sterilizing power increases.
3. PH	Effective for basic, neutral and acidic
4. Organic matter	When organic substances such as blood are present, the sterilizing power decreases.
5. Antagonism	Combination of anionic and cationic properties reduces sterilization power

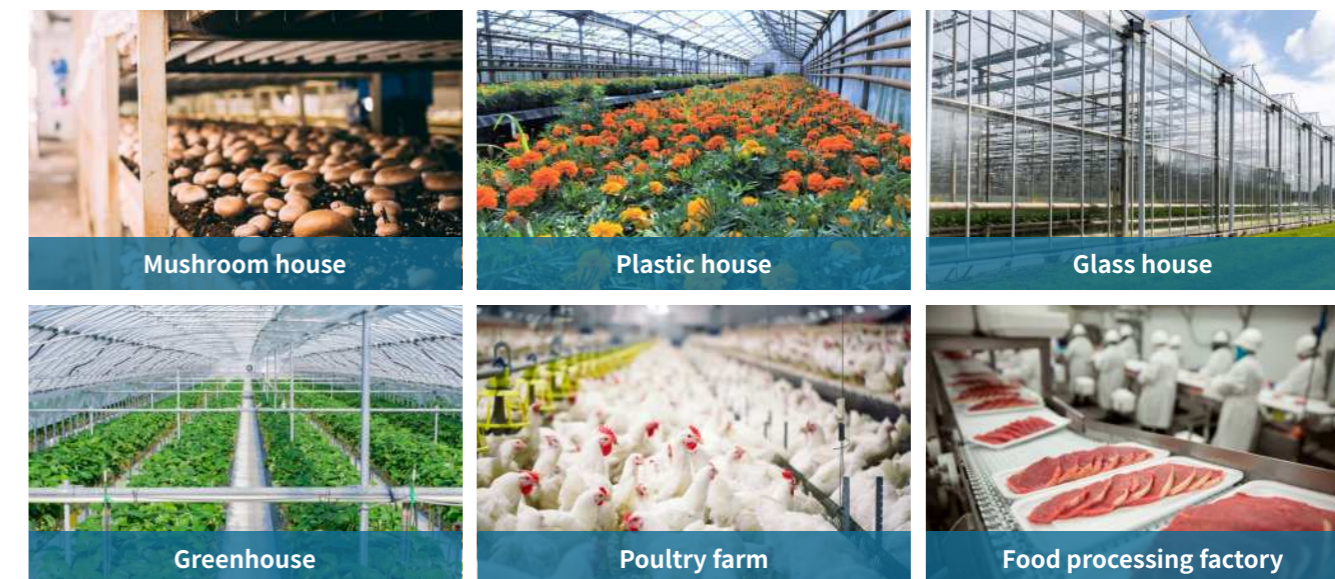


Spatial Quarantine Application Case





Government offices, auditoriums, conference rooms, hospitals, military units, ships, prisons, train stations, schools, wastewater treatment plants, multi-use facilities, indoor markets, warehouses, food processing facilities, large restaurants, etc.

Field application examples of agricultural and livestock control systems



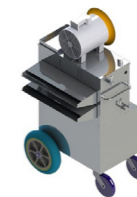



Greenhouse and vinyl house, flower-linked house, barn, mushroom house, indoor zoo and botanical garden, nursery plant

Product line (General buildings, etc.)

	KSM-4	KSM-5
Product Image		
Size (mm)	480*450*720	1000*400*900
weight	40Kg	45Kg
Covering Space	~1200m ³	~2000m ³
Air compressor	Separated Potable 3.5 Hp	Separated Potable 5 Hp
Sprayed Capacity	4L/hr	5L/hr
Micro Particle Size	8 μm~11 μm	8 μm~11 μm

Product line (Agriculture, Livestock)

	A-4	A-5	A-10	A-15
Product Image				
Size (mm)	1000*400*900	1000*400*900	1000*400*1200	1000*400*1500
weight	40Kg	45Kg	65Kg	70Kg
Covering Space	~1200m ³	~2000m ³	~13,000m ³	~20,000m ³
Air compressor	Separated Potable 3.5 Hp	Separated Potable 5 Hp	Separated Potable 10 Hp	Separated Potable 15 Hp
Sprayed Capacity	4L/hr	5L/hr	10L/hr	15L/hr
Micro Particle Size	8 μm~11 μm	8 μm~11 μm	4.3 μm~11 μm	4.3 μm~11 μm