



WARNING UV-C

Emitted from this product. Avoid eye and skin exposure to unshielded product.

Follow installation instructions and user manual.

MULTIFUNCTIONAL

Germinator 1 PRO is reliable smart multifunctional device that is consisted of 3 parts that contributes to room, surface floor or items disinfection

SAFETY FEATURES

Germinator 1 PRO is designed to fully protect the operator.

Minimizing the UVC radiation

leakage and combining it with

gyroscope sensor to prevent

exposure of the operator. Clear

Marking and instructions as well as

professional training are

contributing for correct and safe

usage of the device.



GERMINATOR 1 PRO



Multifunctional Smart UVC disinfection device. Consistent of 3 parts. The device uses 8 x 40W UVC lamps and comes with two accessories one Chamber and Trolley. The device is mobile with custom made MaxUV Control Software, operated on a touch screen and has 3 modes for operation.

Surface and Floor which is used for mattress disinfection and hard surfaces (user handheld operation while sliding on the surface from position to position on every 10 sec) floor disinfection (placed on the Trolley)

Items for N95 masks, mobile phones, tablets and other small items (placed horizontally in the chamber)

Room / air (placed vertically on the chamber)

Consist 3 sensors live diagnostics and UV control system. Sensors for UVC output and Temperature measurements allows the software to adapt and optimize the disinfection time and give the most reliable disinfection.

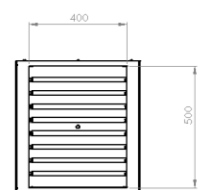
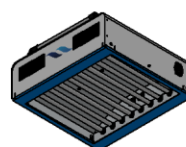
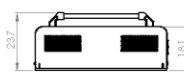
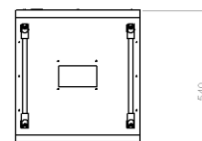
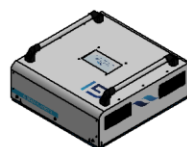
Germinator 1 pro use custom made German UV lamps emitting strong UVC output for, effective, superfast, chemical free and dry 99.99% disinfection.

Germinator 1 PRO is hardware and software upgradable.

MaxUV Control software is custom Software for disinfection control by specific industry standards with cloud integration for data collecting and management also IOT and MI for multiple product synchronization and control.

Type of UV Lamp	GHO/M (custom made)	
UV Lamp power	40W±10%	
Number of lamps	8	
UV wavelength	254nm	
Area of disinfection	≈0.2m ² / ≈ 0.086m ³ /3m-180°-35m ²	
Electronic Ballasts	RH2-800-2/75U	
Voltage	110 - 240VAC	50/60Hz
Max Power output	360W	
Weight (G1 only)	8.9kg	
Weight (full set)	29.5kg	

- Aluminum body - strong and lightweight for easy and safe operation
- UVC reflective materials (MIRO® 4/ MIRO® 20) - more that 90% reflection of UV-C to ensure full disinfection
- Custom UVC Max PCB board - custom PCB board for control and diagnostics of the device, including power sensor and gyroscope. Custom software for usage and diagnostic for lamps and ballasts
- Custom UVC lamp - German made specific for GERMINATOR
- Temperature sensor - sensor that will ensure optimal operations and UVC-radiation
- UVC Sensor - sensor that will ensure optimal UVC-radiation as well as full disinfection
- Simple lamp change



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GERMINATOR 1 PRO



GENERAL INFO

Germinator 1 (G1) made by UVC MAX is the first multifunctional and smart UVC disinfection device in the world. G1 hardware and software are specifically designed to execute professional LOG4+ disinfection in 3 different Modes: SURFACE, ITEMS and ROOM.

Made to be a professional and medical device, G1 custom design is made by materials of highest quality to give the user the safest, efficient but above all RELIABLE disinfection solution in the fight against bacteria, viruses and diseases spread.

There are three strong points that separate the G1 from the competition on the Market.

The multifunctionality as it is designed from 3 parts the G1 DEVICE and two accessories CHAMBER and TROLLEY. Thus, it can perform 3 different functions, disinfect hard SURFACE with mattress and floor modes preset in the software, ITEMS with N95 masks, Large and Small items preset and ROOM and air disinfection.

Patentable UVC Design The custom made German UVC Lamps are made specifically for this device giving the user rapid and strong start for the shortest disinfection time. The multisensory PCB board controls the UVC output and sets the appropriate time during the lifespan of the lamps but also controls the environmental temperature through the cooling system to maintain the optimum conditions for the strongest UVC output.

The MaxUV Control software made to control the G1 multifunctionality, UVC system, collect activity log with all the disinfection, location and user data, and to perform hardware maintenance diagnostics.

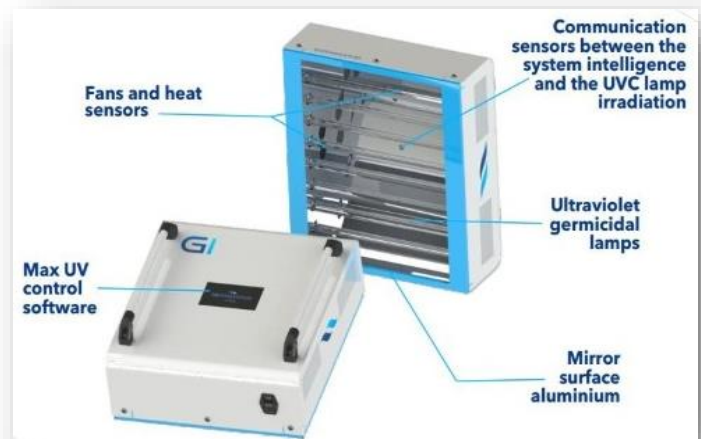
FEAUTURES

PHYSICAL CHARACTERISTICS

- Sophisticated custom design made with focus on Safety, Ergonomics and multifunctionality
- Light weight and mobile professional device with protection, transport and storage solutions
- 8 Custom made German 40W UVC lamps for highest LOG disinfection and fastest time
- MIRO UVC reflective material for maximum UVC irradiation
- 3 Sensor (Temperature, UVC Output and A/C Current) UVC Control System for the most reliable disinfection and diagnostics
- Fan Cooling system for optimum UVC output temperature control

HARDWARE

- Custom made PCB Board for maximum optimization and device control
- 3 sensor system to measure temperature, AC current and UVC Output
- UVC Lamp diagnostic system and control
- 7" Touch Display
- 3 Mode Disinfection SURFACE (Mattress, Floor, Custom) ITEMS (N95 Masks, Large and Small Items) ROOM
- Disinfection Assistance. Positioning guide for human error elimination, moves and time calculation.
- Disinfection Report
- Safety switch for User protection
- UVC live monitoring diagnostic and control system
- Cloud Data Collection (User / Location /Time /Mode of Disinfection /LOG of Disinfection bacteria destroyed)
- Device maintenance and repair log
- Software updates



ACCESSORIES

- UVC Chamber for ITEMS and ROOM Disinfection Features
- Trolley for FLOOR and transport and storage
- Custom designed and tested for efficiency, endurance, stability and safety

GERMINATOR 1 PRO



TECHNOLOGY/PRODUCT OVERVIEW

The Germinator series and the Germinator 1 device are the first surface disinfection smart devices using UVC light that has built in sensors for UVC control and analytics, that gives the clients assurance in the process. This mobile multifunctional device has been designed on years of research about the UVC light and its characteristics and the benefits of its high disinfection effect. The difference between the Germinator 1 and the other devices is that other are using empirical references of time (of UVC dose emitted) for certain disinfection without confirmation and live measurement of all the factors that are influencing the efficiency of the process and the iteration effect on the lamps, there so its reliability as well. This is one of the reasons UVC light disinfection always is used as complementary not substitutionary procedure. The SARS COV 2 spread has reminded the world of the need of better protection for safer future. This is why the G1 with the assurance it brings and much more with it multifunctionality, is perfect weapon against disease spread in Hospitals, Day Care Centers, Kindergartens, Educational and Military Campuses, Hotels, etc.

We are seeking for Limited Partnership and are ready to offer % of the structure for an investment to speed up production and place the product on the markets in EU, Middle East and later Asia.

TECHNOLOGY/PRODUCT FEATURES, SPECIFICATIONS AND ADVANTAGES

The Germinator 1 is designed with 8 x 40W UVC Mercury lamps with powerful UVC Output of 120W. This gives the G1 extensive power that can offer extra fast surface disinfection to the clients. In the surface mode (ex. mattress) it can give a LOG 5 disinfection in less than 10 seconds per position. This also allows the G1 to be super effective in the other modes as well as in less than a minute in the G1 chamber, n95 masks are disinfected for reuse by the standards of the WHO. But what set the G1 apart from the competition is the control software that is monitoring the UVC dosage and environmental conditions and thus reset the time accordingly to give reliable and proven effect. This is made with the help of the built in custom UVC sensor, IR thermal cameras and cooling fans that regulate the perfect temperature of the UV bulbs. This system is Patent approved and there is no other device for surface disinfection offering this feature. This will give our customers not only the assurance every disinfection process asks for, but also the option to choose which level LOG disinfection they need and more importantly to choose which bacteria, virus or other microorganism are they after.

Another big incentive for the users is the multifunctionality the G1 accessories are enabling, and as we know this is a first multifunctional device for surface items and room disinfection on the market.

This Eco-friendly device is LVC, EMC and RoHS certifiable and soon we will also start the procedure for the MD Class 1 certification.

Along that we have already made 3 independent testing, one for safety in operations and 2 with the Physics University for the efficiency in use of the Device.

We hope soon the G1 in some sectors can replace the chemical disinfection altogether.

POTENTIAL APPLICATIONS

The COVID 19 Pandemic opened a wider need and usage of the UVC Surface Disinfection, and having that in mind we have designed additional accessories to make the G1 multifunctional and with greater use.

Having G1 designed for hospital and hotels mattresses, the G1 new version now offers floor, items (masks, mobile phones keys key cards etc.) and room disinfection as well.

This really opens a wide range of industries where can it be applied and a volume potential as well.

We see the G1 mostly used in Hospitals, Daycare Centers, Kindergartens, Campuses for multiple uses (mattress, floor, masks and room disinfection) also additionally in Hotels, Cruises and in production for items disinfection as well. This device is perfect for cleaning service providers as well.

CUSTOMER BENEFITS

- Super-Fast Disinfection
- Process Control and Overview for Reliable results
- 100% dry and Ecofriendly disinfection
- Multifunctional Disinfection device (Surface / Items / Room)
- IOT and ML custom Software integration
- Customizable features
- Cost saving VS traditional chemical and water disinfections
- Hygiene Marketing and self-certification enabled
- Data collecting and multiservice control



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