

# Finally, a device that kills viruses like Covid-19 at the workplace

Although the world has reacted swiftly to control the impact of the COVID-19 pandemic, it has not alleviated the devastating impact it has had on lives and economies ... or the risk of future epidemics.

They say necessity is the mother of invention, which is why DentalMed's UVGI-range of sanitisers were developed with a mission: to carry on killing viruses and bacteria beyond COVID-19.

There is now mounting evidence that the Covid-19 virus could be airborne, which puts greater emphasis on UV sanitisers.

Your employees and your clients are the backbone of your company. The UVGI range is there to protect them.



[Click to view video](#) to give you an overview on how the technology works, and how it can be implemented

# 9 facts about UVGI sanitation range



1

## UVGI KILLS VIRUSES LIKE COVID-19

The UVGI sanitiser range helps to secure your working environment by destroying viruses such as Covid-19, and all bacteria. Using a proven disinfection method – Ultraviolet Germicidal Irradiation (UVGI) – it is safe, effective, and backed by internationally recognised safety authorities.

2

## IT DESTROYS VIRAL AND BACTERIAL DNA

UVGI uses controlled, short-wavelength ultraviolet (UV-C) light to kill or deactivate microorganisms by destroying their nucleic acids and disrupting their DNA and RNA, leaving them unable to perform vital cellular functions.

The devices sanitise the air of all known bacteria and viruses by creating an air flow over the powerful ultraviolet lights.

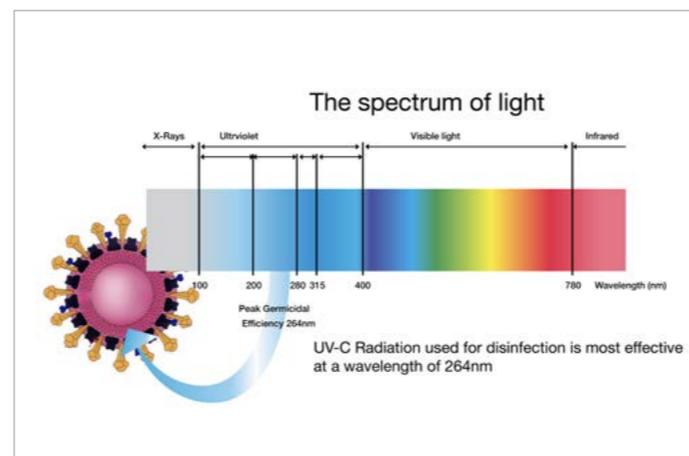
UVGI also reduces bad odours in spaces where it operates, because it effectively destroys bacteria.



3

## THE UVGI RANGE IS VERSATILE

The range not only fights the scourge of Covid-19 and TB and other viruses in the workplace, but also kill other harmful bugs that circulate in environments like receptions, laboratories and consulting rooms. The more recently developed *UVGI-VS* sanitises the cabins of long-distance trucks, mining haul-packs, ambulances and the like.



# 9 facts



4

## **UVGI-RS2 IS BACKED BY STRINGENT SAFETY CERTIFICATIONS**

The innovation has been given the nod by the SABS and its effectiveness tested at leading universities with guaranteed, documented results.

5

## **DENTALMED HAS A LONG TRACK RECORD IN SAFETY AND HEALTH SOLUTIONS**

DentalMed has a history of developing technical solutions for the medical and dental industry in southern Africa. By teaming up with scientists and inventors, it has harnessed technology to produce aesthetically designed products aimed at safely sanitising the workplace environment around the clock.



6

## **THE UVGI RANGE ARE WELL DESIGNED IS DESIGNED TO RUN 24 HOURS A DAY**

UVGI-RS2 devices are well designed, inexpensive to run and robust. They are stand-alone devices that do not need constant technical attention. Although environments that require a number of devices, such as schools, malls, and restaurants, could have a trained technician to monitor the devices more frequently. The equipment should be serviced once a year to remain effective.



# 9 facts

7

## THE UVGI RANGE IS EFFECTIVE IN ENCLOSED WORKPLACES

The devices work favourably in specialised areas and industries, including:

- **Mining** (particularly long use, robust vehicles like haul pack trucks that work on multiple shifts)
- **Medical** (hospitals, theatres, reception rooms and clinics)
- **Offices** (particularly boardrooms and multi-desked environments like call centres)
- **School** (classrooms, halls, libraries)
- **Health Spas**
- **Hairdressers**
- **Hotels**
- **Restaurants**
- **Gyms**
- **Aeroplanes**

8

## UVGI-RS2 COVERAGE

Each device is effective in an average 5x5 metre room, but they can be strategically staggered to cover larger areas.



9



## THE UVGI RANGE OFFERS PEACE OF MIND AND AFFORDABILITY

The UVGI-RS2 devices are made in South Africa and are intended for easy self-installation with an established back-up service available to check and service units within the targeted environment.

Because it's produced locally, our prices are between 50% and 75% more affordable than other options. Each device comes with a one-year guarantee.

**PLEASE NOTE:** We suggest the annual replacement of UV-C bulbs. On replacement, UV output is measured by a service technician and a certificate of compliance issued.



Meet Nir Dishon (MD)  
D E N T A L M E D

Israeli-born and educated, Nir Dishon made southern Africa his home more than 30 years ago. With a strong technical background, Nir has been involved in a range of technical and R+D projects, particularly in the medical arena.

He has also been instrumental in setting up and managing a host of start-up factories and developing related training programmes both in South Africa and Botswana.

Perhaps it was the fact that he was born and raised on an Israeli Kibbutz that he developed a special love for community-related projects and he has been involved in developing

and manufacturing products that help bring medical excellence to particularly rural communities.

He was involved, in designing and equipping, first a dental and, later renal and eye-testing labs for the Transet-Phelophena trains. These are mobile healthcare clinics that travel to areas of rural South Africa where there is just one doctor for every 5000 patients.

In the last 17 years he has expanded his medical instrumentation company, DentalMed, which supplies and repairs medical equipment for the highly technical dental and medical labs in southern Africa.

It was during this time that he came across the beneficial qualities of UV-C in and its powerful impact on virus and bacteria control. As the true destruction of Covid-19 became apparent, he began to focus his attention on the practicalities of harnessing the power of UV-C into practical applications – particularly in areas which could become focal points of viral spread like clinics, laboratories, medical and dental consulting rooms etc.

Designed and tested at the highest level, he explored other areas could also benefit from these state-of-the-art devices, like restaurants, spas and schools.

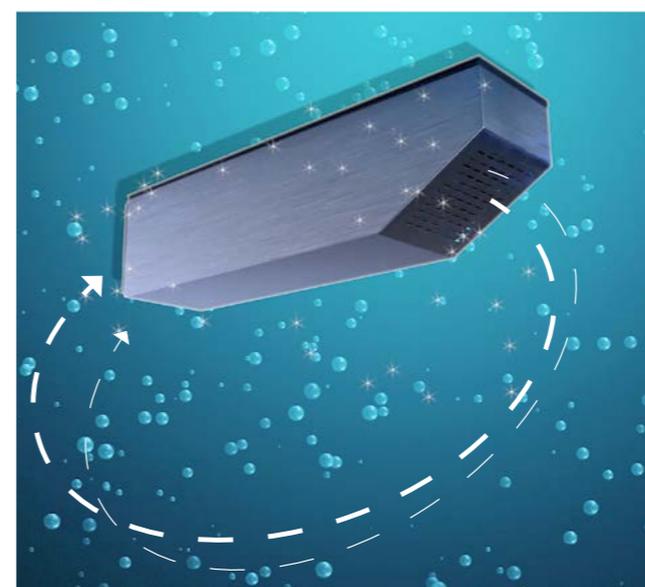
The focus on productivity to reboot world economies encouraged the development of a more robust device, particularly for the tough, but vital industries like mining. A device has been developed for hard working vehicles like haul packs and ambulances. Assurances of a 24-hour protection device will go a long way in avoiding production disruption because of a virus scare.

Explains Nir: “We are entering a new dimension in work. These past few months have shown us the devastating impact of one virus. There will be others. It is my hope that these practical, affordable solutions play their part in allowing workers and learners the ability to work and learn in the ‘new normal’.”

### UVGI-RS2 - one unit covers 5<sup>2</sup> metres



### UVGI-Vs one unit covers 3<sup>2</sup> metres





## Testimonial

This UVGI-RS 2 device is locally conceived and manufactured and SABS certified. Very cost effective, compared to some very pricey UVC units being offered currently. I have had one in my surgery for some years.

It needs annual replacement of four Phillips 9W UV-C bulbs to maintain calibrated performance. This is done by a service technician, who then measures the UV output and issues a compliance certificate valid for a year.

The service provided by DentalMed has been exceptional in my experience and I can highly recommend from this point of view. Just another layer of protection against the current pathogen.

Note that any device which outputs UV-C will need annual lamp replacement - very important to remain effective. These lamps are mercury vapour based and deteriorate in service. They have to be disposed of correctly. They are not available as consumer items, so whichever UV-C device you buy, be sure you can rely on technical backup and calibration/ testing of output annually.

*Dr Andrew Ackermann,  
Dental Surgeon*



## Safety standards

For more information send email to Nir Dishon  
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to arrange a consultation  
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