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UV-MOBIL 240   
UV-MOBIL 240*combi*





The Dinies Technologies GmbH company is a medium-sized, innovative family-owned company of UV technology and electronics manufacturing, which does not shy away from investing in new, revolutionary methods and technologies.

COMPETENT ■■■■■  
RELIABLE  
■■■■■ INNOVATIVE

Since our foundation in 1979, it has been important to us to supply our customers with everything from a single source. In 2005, the two main pillars, electronic production UV technology, were further expanded.

„ IN PARTICULAR, NEW TECHNOLOGIES AND FIELDS OF APPLICATION IN UV-TECHNOLOGY OFFER GOOD BASIS FOR AN INNOVATIVE COMPANY POLICY.“

Dinies Technologies GmbH is DIN EN ISO 9001 certified and is constantly monitored and audited by its customers to ensure its effectiveness, to meet their high quality requirements.

In addition, internal audits carried out by external auditors guarantee a high standard of quality and efficiency in quality management.

# RESISTANT GERMS

In a project with the HFU Furthwangen, a **pathogenic germ load of 44%** was observed in patients' rooms after regular wipe disinfection.

This is, in part, a consequence of the high cost-pressure placed on hospitals and cleaning staff.

Future patients are at a **high risk of infection**.

HIGH  
INFECTION  
RISK  
FOR FUTURE  
PATIENTS!



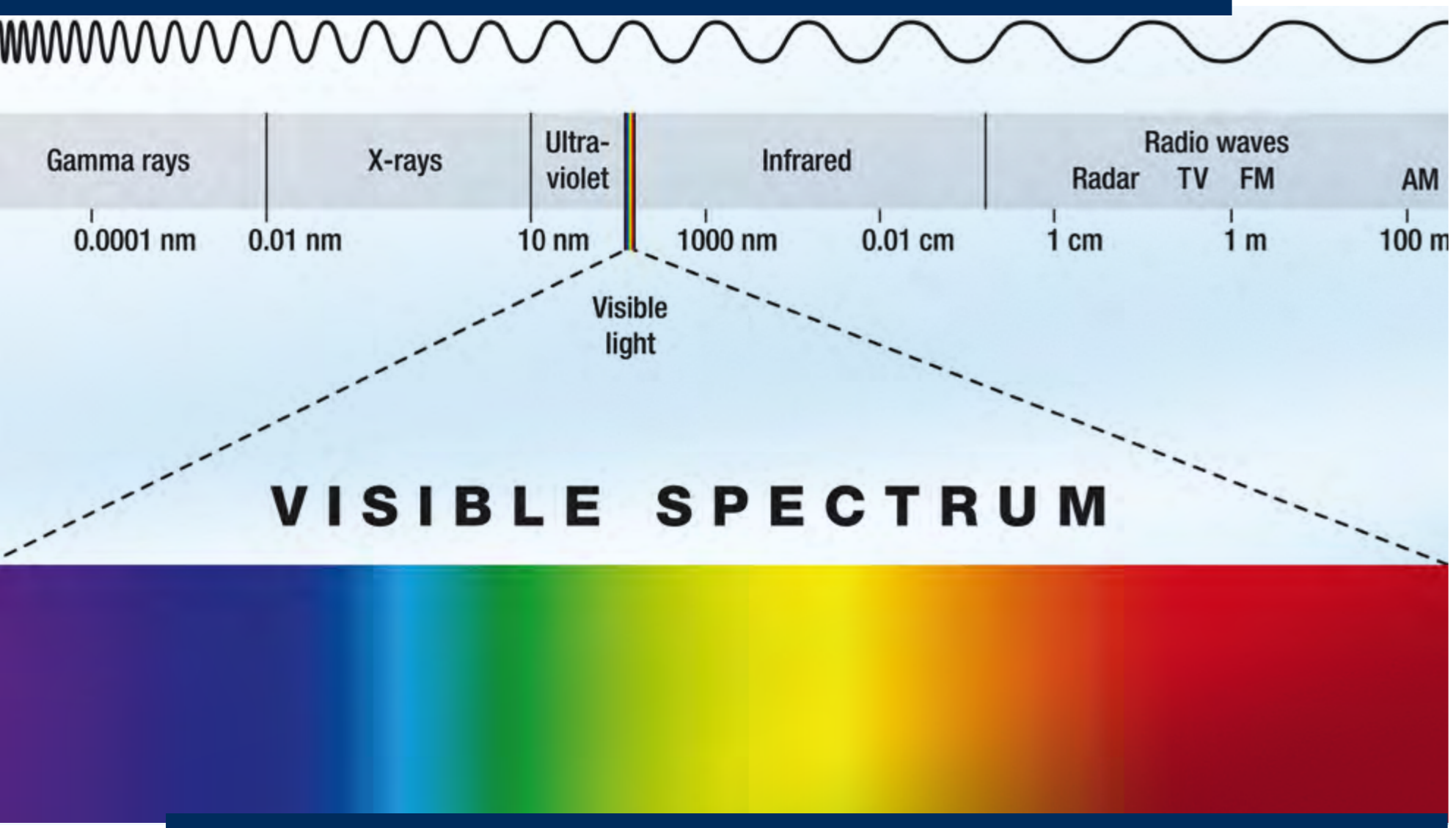


AN ADDITIONAL

# UV-OZONE TREATMENT

DURING DISINFECTANT  
TREATMENT TIME ELIMINATES  
REMAINING UV / OZONE  
PATHOGENIC GERMS

UP TO 100%.




# UV- RADIATION

Highly effective hygiene with UVC!  
Microorganisms are killed off naturally if they are exposed to natural sunlight. Artificial UVC that uses this natural principle was developed many years ago.

UVC rays are short-wave rays in the range of 280-100 nm that are invisible to the human eye. UVC rays in the range of 254 nm have a very strong germicidal impact, so that even dangerous germs, bacteria, viruses, moulds etc. are quickly exterminated. And all this without the use of chemicals.

The DNA of the microorganisms is modified in the nucleus so that reproduction is no longer possible. As a result, the microorganisms eventually cease to exist. Ultraviolet radiation is therefore an economical and environmentally friendly alternative to chemical disinfection.





Ozone is an extremely effective disinfectant for sustainable elimination of unpleasant odors and health-threatening microorganisms.

Derived from natural processes, UVC rays are produced in a controlled manner, which generate ozone in combination with atmospheric oxygen. Odor molecules are broken down and completely removed. This process destroys the existing microorganism at its nucleus.

A major advantage of ozone treatment is that odor neutralization and disinfection takes place without the use of chemicals. Remaining residual ozone breaks down into oxygen again.

The bactericidal effect of ozone is reported in literature at 1.5 to 4.9 ppm.



## 2 OZONE



# 3<sub>1</sub> UV-MOBIL

## UV-Mobil 240

The **Dinies UV-Mobil 240** was specially developed for the disinfection of surfaces and room air in the medical sector.

During development, great care was taken to ensure that, as far as possible, no blind-spots were created due to its construction and that the strong acting UVC could optimally sterilize both the air and surfaces. Therefore, the UVC emitters are used open, without a cover. Treatment is thus only possible in unoccupied rooms.

The UV light sterilizes surfaces by direct and indirect radiation. The air is simultaneously sterilized.



- Fast
- Chemical free
- Disinfects surfaces
- Disinfects room air
- Safe



## UV-Mobil 240combi

The **Dinies UV-Mobil 240combi** is equipped with both high-performance UVC lamps and ozone-generating UV lamps. The special, short-wave UV radiation converts atmospheric oxygen into ozone.

Since ozone is a gaseous element, even blind-spots or hidden areas (under beds, behind nightstands, showers, etc.) are sterilized.

- Fast
- Chemical free
- Disinfects room air
- Disinfects surfaces
- Reaches all corners
- Eliminates odors
- Safe

3<sub>2</sub>

## Areas of use for the UV-Mobil 240combi

1. Place unit in the center of the room.
2. Switch on unit, leave room within 3 minutes.
3. In the first phase of operation, ozone-generating UV lamps are ignited. These convert atmospheric oxygen into gaseous ozone.

3<sub>3</sub>



SAFE  
THROUGH  
AN AUTOMATED  
PROCESS!

## Germ reduction on surfaces

4. In the second phase of operation, the UV lamps are switched on. The UV light directly and indirectly disinfects surfaces and room air. At the same time, residual ozone in the room is converted back into oxygen.
5. After about 60 minutes, the room can be used normally again.

3<sub>4</sub>