



THE PROS AND CONS OF UV BASED TECHNOLOGY



UV DISINFECTION EXPERT

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Daan Hoek | Co-Founder UV Smart

Beyond Clean UV Disinfection Expert™:

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UV based Technology in the Medical World - Hazards and Potential
In this article, you'll learn more about the opportunities UV based technology presents in the medical field. Pathogens are spread through equipment (among other things), meaning that there is vast potential for the application of highly effective UV based technology in the healthcare industry.

Pros of UV based technology

Compared with other methods currently in use (chemicals, disinfecting wipes, machines, etc.), UV based technology has some distinct advantages:

- Environmentally friendly: no use of chemicals or water;
- Fast disinfection cycle: so hospitals can use their equipment more efficiently;
- Costs per disinfection cycle can be much lower;
- Effective against the entire spectrum of microorganisms;
- Personnel are not exposed to harmful chemicals;
- No complicated methods or difficult cleaning schedule. All that's needed is a effective and consistent UV based disinfection cycle.

Hazards and challenges

But what are the hazards and challenges of implementing UV technology in healthcare?

They include the following:

- There are no standards for UV based disinfection in the medical industry;
- There are many unregulated products on the market;
- UV based products must meet high safety requirements;
- Steam, wipes, and chemicals are old methods but deeply ingrained habits.

None of these challenges is insurmountable. UV based devices should be on checked on the right registration, sufficient clinical validation, and product safety tests.

Potential presented by UV technology

UV based technology is broadly applied in healthcare facilities worldwide, with great opportunities for the future. Looking at healthcare institutions that want to make their processes more efficient, disinfect their surfaces in an environmentally conscious manner, and save costs.

Have more UV disinfection questions? Contact Daan at: daan.hoek@uvsmart.nl

Beyond Clean UV Disinfection Expert™ Biography:

DAAN HOEK CO-FOUNDER UV SMART



Daan Hoek is the Co-Founder of UV Smart and very passionate about UV-C light as a disinfecting agent in the medical field. UV Smart is an innovative company based in the Netherlands with an established US office in New York. The UV Smart devices can disinfect medical equipment quickly, efficiently, and consistently by using UV-C light. By refining this ancient technology, UV Smart made it possible to disinfect medical equipment in a rapid and effective way. UV-C light also eliminates the use of chemical disinfectants that are harmful to medical equipment, operators, and our planet, while saving a substantial amount of turnaround time. UV Smart is the front-runner in applying UV-C technology to medical devices. UV Smart is currently active in over 20 countries worldwide.

Daan is also the chairman of the Taskforce UV-C light of the Dutch Normalization Committee. Along with the taskforce, he developed the first European guideline for UV-C disinfection devices in the medical field. He is also in charge of all the clinical (multi-center) studies of UV Smart, three of which are running in the US and in Europe.

If you have any questions regarding UV-C light, feel free to reach out to him!

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