



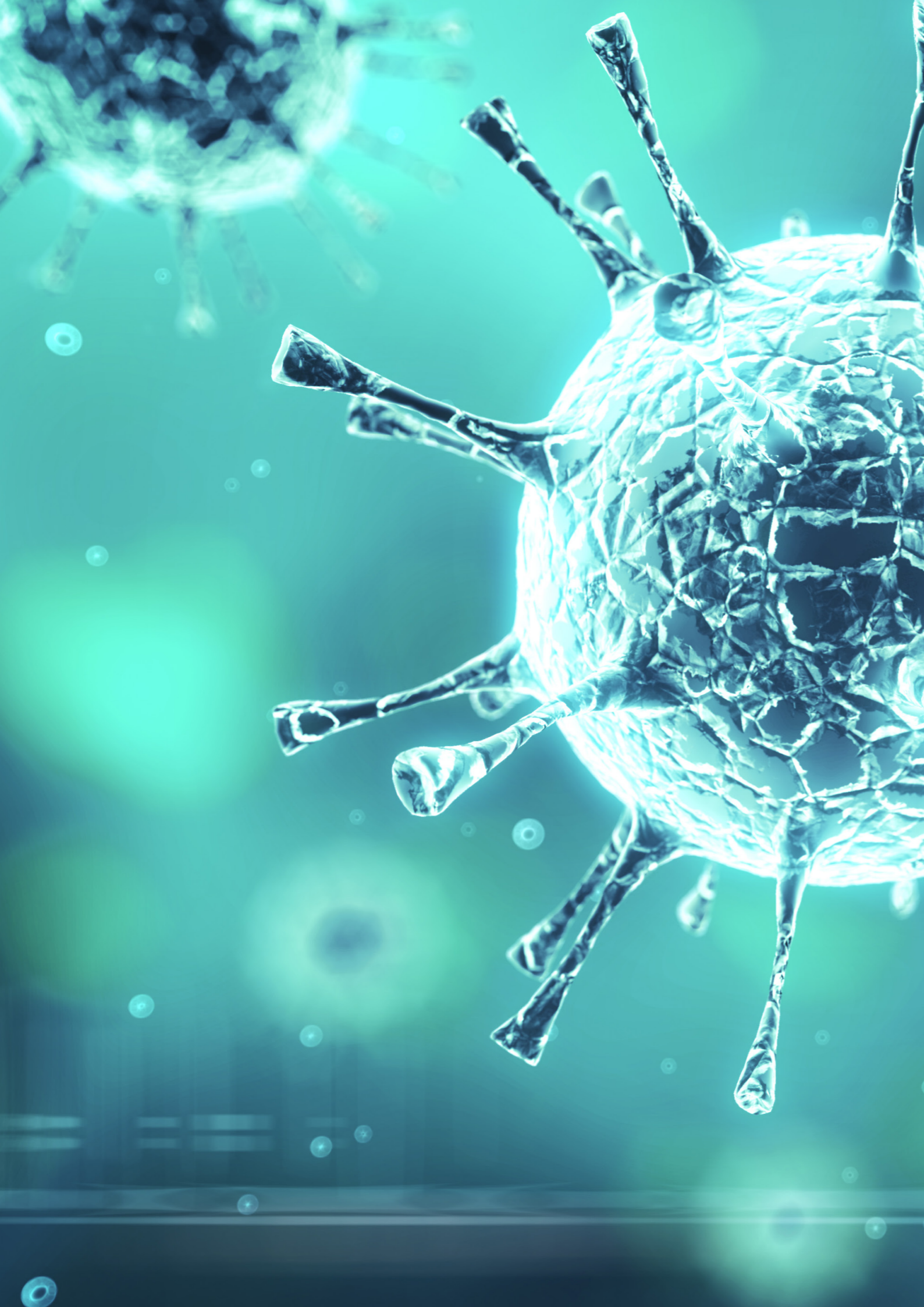
# STERYLIS®

DESTROYS SOURCES OF INFECTION



- Destroys the coronavirus in a split second
- Disinfects indoor air when people are indoors
- Filters and disinfects air and sterilises surfaces
- Medical technology – based on natural physical processes
- Effectively destroys viruses, bacteria, fungi, moulds and even protozoa and mites





In October 2020, CDC (Centers for Disease Control), a United States agency, updated the guidelines for minimising COVID-19 transmission indoors. In addition to the standard methods, the agency recommends eliminating the “source of infection.” This can be done by continuous air disinfection reducing the coronavirus on an ongoing basis in the air we breathe.

What researchers have long suspected is now confirmed by scientific reports: **the coronavirus can be transmitted by air.** The particles of a size of less than 5 micrometers (so-called aerosols) are emitted when we talk or even just breathe.

They can stay in the air for up to about 12 hours. They stay in the room long after the infected person has left it and can move far from the source of emission. The risk of infection arises at an increasingly larger space to eventually cover the entire room.

Smaller particles carry less virus than larger ones. However, due to the high infectivity of SARS-CoV-2 and the possibility of infectivity in spite of no COVID-19 symptoms, they are important in terms of virus transmission.

So far, the so-called droplet route of infection was indicated as the main source of the coronavirus infection. Large particles emitted during coughing or sneezing contain a large amount of the virus.

Another challenge is that the coronavirus can remain infectious on various surfaces for up to several days.

### **STERYLIS - EFFECTIVE IN ELIMINATING THE SARS CoV-2 CORONAVIRUS**

The effectiveness of STERYLIS in eliminating the SARS CoV-2 coronavirus was tested by the scientists of the Medical College, Jagiellonian University. According to the research results, the UV-C-based STERYLIS technology eliminates SARS CoV-2 coronavirus particles present in indoor air.



The research was carried out in the environment of COVID-19 patients in the regime of COVID hospital wards of hospitals in Bochnia and Kraków. It is the only research of this kind in the world so far, carried out in real hospital conditions and with the use of a specific device (in this case STERYLIS by MILOO-ELECTRONICS).

The results of the research have confirmed that the STERYLIS device effectively destroys, in the air which breathed by patients and medical personnel, the pathogen responsible for the largest pandemic in over a century. To do this, STERYLIS uses UV-C radiators, light traps with laboratory measured safety and a unique microprocessor control system. The device can be used for continuous (24h/7) air disinfection in indoor space while it is being occupied.

# STERYLIS – PROTECTS PUBLIC HEALTH

Airborne infectious diseases, such as COVID-19, are currently one of the main challenges for public health worldwide. To fight them, you can use versatile, cheap and practical solutions to remove the sources of infection in the air and on surfaces.



Sterylis which **safely removes the coronavirus and many other microorganisms** is one of such solutions. The heart of the unit is a microprocessor control system which fully controls the processes of filtration, disinfection and sterilisation, and measures the parameters of indoor air.

The effectiveness of the methods used in Sterylis was tested in 2020 in the Department of Infection Control and Mycology at the Faculty of Medicine, Department of Microbiology, Jagiellonian University. The studies show that the unit is very effective in destroying, i.a., strains of Staphylococcus aureus and Pseudomonas aeruginosa, and drug-resistant bacteria causing so-called hospital-acquired infections.

The heart of Sterylis is **a microprocessor-based control automation system connected with a set of unique sensors**. The sensors record, i.a., various air parameters in disinfected rooms. As a result, Sterylis can, for example, automatically adjust the ozone concentration to the room volume. The unit also shows users that the filter needs to be replaced and checks the state of UV-C radiators.

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**STERYLIS**®  
DESTROYS SOURCES OF INFECTION

# BENEFITS

## SAFETY

Confirmed by certificates and independent tests

## IMPROVED QUALITY OF LIFE

For you and your loved ones thanks to the use of medical technology

## VERSATILITY

Fits any type of room without the need to adapt it and incur additional costs

[#improvesyourlife](#)

# FACTS

- **DESTROYS THE CORONAVIRUS** in a split second!
- Disinfects indoor air **WHEN PEOPLE ARE INDOORS**.
- Filters and **DISINFECTS AIR** and **STERILISES SURFACES**.
- Medical technology – based on natural physical processes.
- Effectively **DESTROYS VIRUSES, BACTERIA, FUNGI, MOULDS** and even protozoa and mites.





# 5 TECHNOLOGIES IN 1

Five technologies in 1 to significantly increase the safety of you and your loved ones. Sterylis provides several methods to remove sources of infection due to coronavirus and other pathogens.



**UV-C RADIATION**

UV-C technology provides:



**OZONE GENERATOR**



**OZONE DESTRUCTOR**



**DOUBLE FILTRATION**

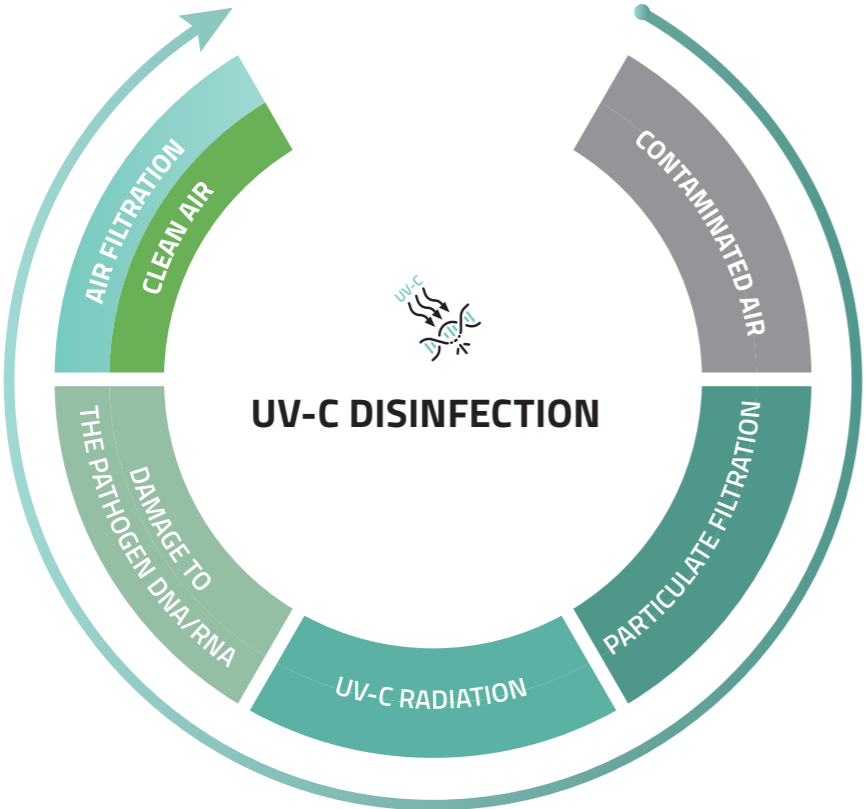


**CONTROLLER**

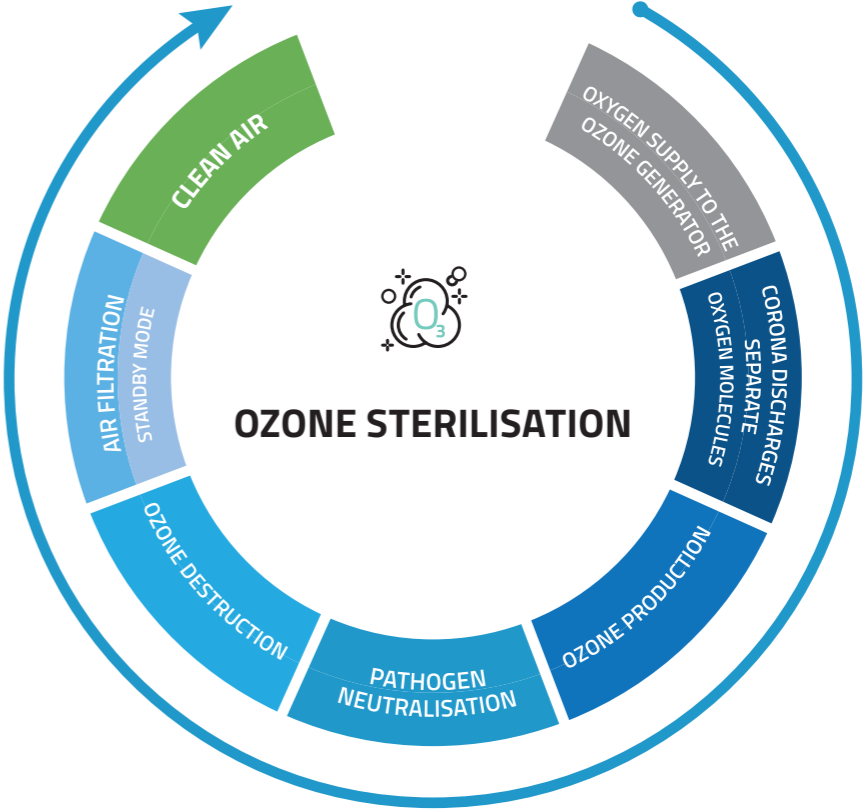
Fully automatic control by MILOO-ELECTRONICS to ensure the safety of all processes.

# HOW TO REMOVE THE SOURCES OF INFECTION

## DISINFECTION CYCLE



## STERILISATION CYCLE



# CERTIFICATES TESTS APPROVALS

## CERTIFICATES, TESTS, APPROVALS



The effectiveness of elimination of the Sars-CoV-2 virus using STERYLIS devices has been confirmed by scientists of the Medical College, Jagiellonian University. The research was carried out at COVID hospital wards of two independent hospitals in Bochnia and Kraków.



Our products are certified by the National Institute of Hygiene (PZH) and are safe for people. BASIC STERYLIS, no.B-BK-60212-0527/20 valid until 2025-12-11.



We are the member of EUO3TA, an organisation which registers, accredits and certifies manufacturers of ozone generators on the European market.



Our products meet the requirements of the so-called 'New Approach' of the European Union in terms of safety of use, environmental protection and health protection.



Our quality is confirmed by ISO 9001:2015 awarded by TÜV SÜD Management Service GmbH.



STERYLIS is a Polish product. It was designed and is manufactured in the Małopolska province in a 100% Polish-owned company.

# PRODUCTS

<b>BASIC</b> SERIES	16
<b>VS</b> SERIES	18
<b>ULTRA</b> SERIES	20



**STERYLIS**®  
DESTROYS SOURCES OF INFECTION



# BASIC SERIES

REMOVES SOURCES OF INFECTION:  
UV-C  
DISINFECTION

## STERYLIS BASIC

STERYLIS BASIC is a line of devices using UV-C technology and two-stage air filtration in the disinfection process.

### Features:

- Disinfection with UV-C technology
- Two-stage air filtration
- Automatic control thanks to advanced controller by MILOO-ELECTRONICS
- Low noise level
- Easy in use
- Compact design
- Mobility
- High degree of customisation

Recommended  
**INTERNAL VOLUME OF THE ROOMS:**

UV-C disinfection  
up to **800 m<sup>3</sup>**



# VS SERIES

REMOVES SOURCES OF INFECTION:  
UV-C  
**DISINFECTION**  
+  
OZONE  
**STERILISATION**

## STERYLIS VS

STERYLIS VS is a line of devices with a **high-power ozone generator** using UV-C technology and two-stage air filtration in the disinfection process.



### Features:

- Room sterilisation with **high-performance** ozone generator
- Deozonation
- Disinfection with UV-C technology
- Two-stage air filtration
- Automatic control thanks to advanced controller by MILOO-ELECTRONICS
- Low noise level
- Easy in use
- Compact design
- Mobility
- High degree of customisation

### Recommended

### INTERNAL VOLUME OF THE ROOMS:

UV-C disinfection  
up to **600 m<sup>3</sup>**

O<sub>3</sub> sterilisation  
up to **1500 m<sup>3</sup>**



REMOVES SOURCES OF INFECTION:  
**UV-C  
DISINFECTION**  
+  
**OZONE  
STERILISATION**

## STERYLIS **ULTRA**

STERYLIS ULTRA is a line of devices with **high-power UV-C radiation** and ozone generator for the sterilisation process. As in every product line, the system is additionally equipped with a two-stage air filtration.

### Features:

- Disinfection with high-power UV-C technology
- Room sterilisation with ozone generator
- Deozonation
- Two-stage air filtration
- Automatic control thanks to advanced controller by MILOO-ELECTRONICS
- Low noise level
- Easy in use
- Compact design
- Mobility
- High degree of customisation

Recommended  
**INTERNAL VOLUME OF THE ROOMS:**

UV-C disinfection  
up to **700 m<sup>3</sup>**

O<sub>3</sub> sterilisation  
up to **850 m<sup>3</sup>**



**SELECT  
THE RIGHT  
UNIT  
FOR YOUR  
NEEDS**

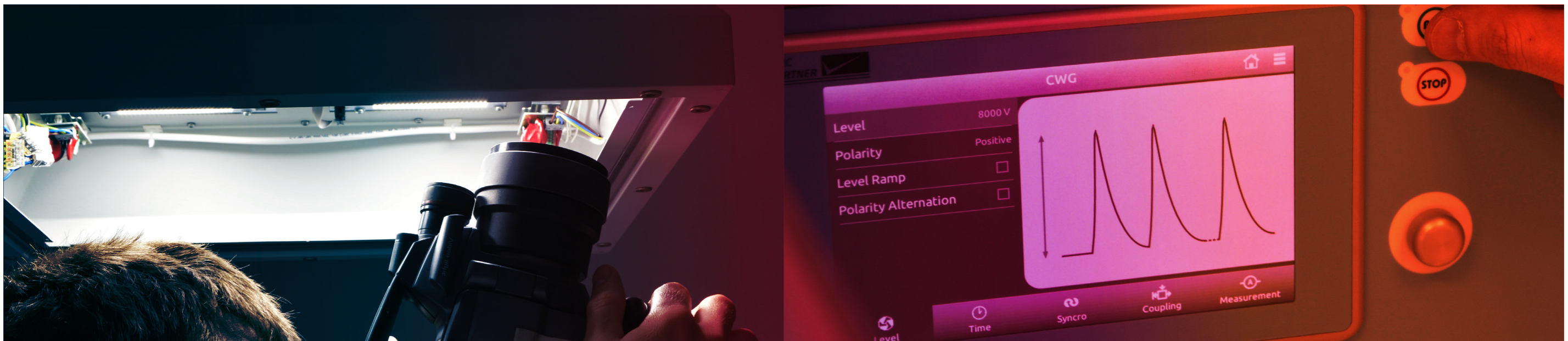
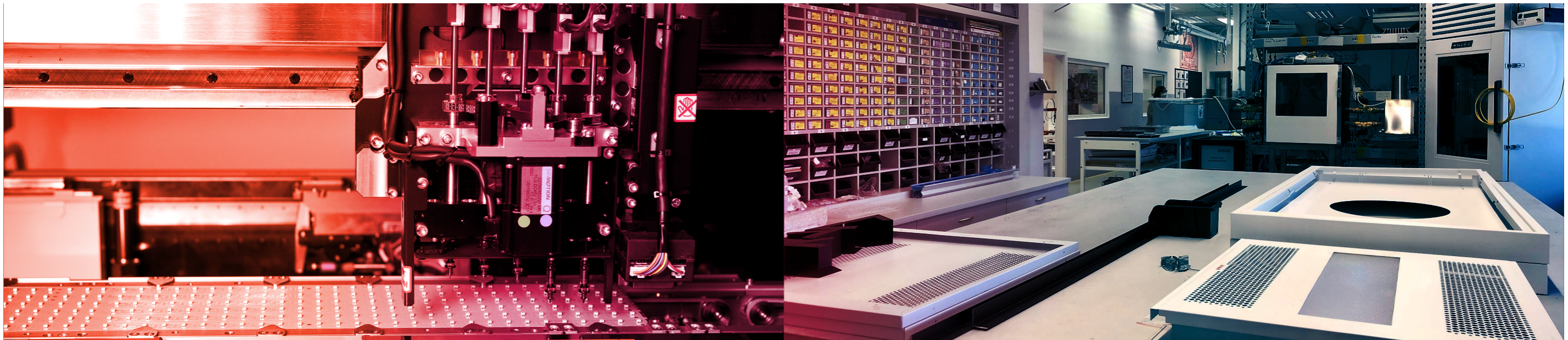
## STERYLIS UNIT SELECTION TABLE

STERYLIS FAMILY	MODEL	Recommended internal volume of the room [m <sup>3</sup> ] for <b>UV-C DISINFECTION</b>		Recommended internal volume of the room [m <sup>3</sup> ] for <b>O<sub>3</sub> STERILISATION</b>
		intensity		
		air exchange 1x / hour	air exchange 2x / hour	
<b>BASIC</b>	BASIC-100	100 m <sup>3</sup>	50 m <sup>3</sup>	-
	BASIC-150	150 m <sup>3</sup>	75 m <sup>3</sup>	-
	BASIC-300	300 m <sup>3</sup>	150 m <sup>3</sup>	-
	BASIC-400	400 m <sup>3</sup>	200 m <sup>3</sup>	-
	BASIC-800	800 m <sup>3</sup>	400 m <sup>3</sup>	-
<b>VS</b>	VS-100/450	100 m <sup>3</sup>	50 m <sup>3</sup>	450 m <sup>3</sup>
	VS-150/600	150 m <sup>3</sup>	75 m <sup>3</sup>	600 m <sup>3</sup>
	VS-300/900	300 m <sup>3</sup>	150 m <sup>3</sup>	900 m <sup>3</sup>
	VS-400/1200	400 m <sup>3</sup>	200 m <sup>3</sup>	1200 m <sup>3</sup>
	VS-600/1500	600 m <sup>3</sup>	300 m <sup>3</sup>	1500 m <sup>3</sup>
<b>ULTRA</b>	ULTRA-200/450	200 m <sup>3</sup>	100 m <sup>3</sup>	450 m <sup>3</sup>
	ULTRA-300/850	300 m <sup>3</sup>	150 m <sup>3</sup>	850 m <sup>3</sup>
	ULTRA-700/850	700 m <sup>3</sup>	350 m <sup>3</sup>	850 m <sup>3</sup>

### CUSTOM VERSION:

We carry out projects tailored to the individual requirements of our clients, suitable for rooms of any volume.

**Volume (m<sup>3</sup>)** is calculated as length x width x height of the room.





MILOO-ELECTRONICS – Polish manufacturer of MILOO LIGHTING LED technology, electronics, optoelectronics and control automation.

The company is located in the Małopolska province and is present on the market since 2002. It also operates in the field of smart-building and smart-lighting, and creates control systems and software to manage intelligent buildings and street lighting.

It has its own research laboratory for colorimetry and electromagnetic compatibility, and modern machinery park.

It carried out many projects for large multinational corporations as well as Polish companies, universities and health care facilities.

The MILOO-ELECTRONICS products meet the highest European quality and safety standards.

In January 2020, the company was granted the NATO Commercial and Government Entity Code (NCAGE). Thanks to this certificate, the company can provide solutions for armies of the North Atlantic Treaty Organisation members. This confirms the highest level of quality and competence.

[www.emiloo.pl](http://www.emiloo.pl)



# STERYLIS®

DESTROYS SOURCES OF INFECTION



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[www.sterylis.com](http://www.sterylis.com)

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