

BOOTSCLEANER

TAKE CARE OF YOUR BOOTS



A PASSION FOR HYGIENE AND
SUSTAINABILITY

WE ARE DEDICATED TO CREATING A
POSITIVE AND HYGIENIC WORK
ENVIRONMENT WITH PROVEN SUCCESS

CONTACT US

BOOTSCLEANER BBS B.V.

+31 (0) 20 895 08 39

info@bootscleaner.com

www.bootscleaner.com



BOOTSCLEANER



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BOOTSCLEANER

BUSINESS SOLUTION 01

The BOOTSCLEANER BUSINESS SOLUTION is an advanced system that effectively cleans and maintains the inside (optional exterior disinfection) of your shoes in an innovative way. Not only does the BOOTSCLEANER BUSINESS SOLUTION provide thorough cleaning and enhanced hygiene, but it also extends the lifespan of your shoes. With our drying system, UV-C light, and antibacterial perfume, we provide a complete solution for shoe care.

By investing in the BOOTSCLEANER BUSINESS SOLUTION, you not only raise the hygiene standards within your organization but also improve the well-being and satisfaction of your employees.



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BOOTSCLEANER

BUSINESS SOLUTION 01

The benefits

Discover the benefits your organization will gain by integrating the BOOTSCLEANER BUSINESS SOLUTION into your operations:



Dry, fresh and hygienic shoes in 30 minutes



Effectively eliminates fungi and bacteria



Extension of the lifespan of the shoes



Enhanced and improved work experience



Higher employee satisfaction



Robust system



Extremely user-friendly



Plug & Play system



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BOOTSCLEANER

BUSINESS SOLUTION 01



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Type:	BUSINESS SOLUTION 10 01
Number of shoe pairs:	10
Voltage:	230 V
Frequency:	50 Hz
Power usage:	3 kWh
Flow rate:	905 m3/h
L x W x H (mm):	1200 x 763 x 2300
Compatible with shoe type:	Any type of shoe/boot



WHERE INNOVATION BELONGS IN THE NETHERLANDS

ADVANCED
TECHNOLOGY



PERSONAL AND
RELIABLE
SERVICE



R&D AND
PRODUCTION IN
THE
NETHERLANDS



BOOTSLEARNER



ENVIRONMENTALLY
FRIENDLY CLEANING
METHOD



SUSTAINABLE
MATERIALS



HYGIENE
STARTS AT
THE FEET

BOOTSCLEANER

BUSINESS SOLUTION 01



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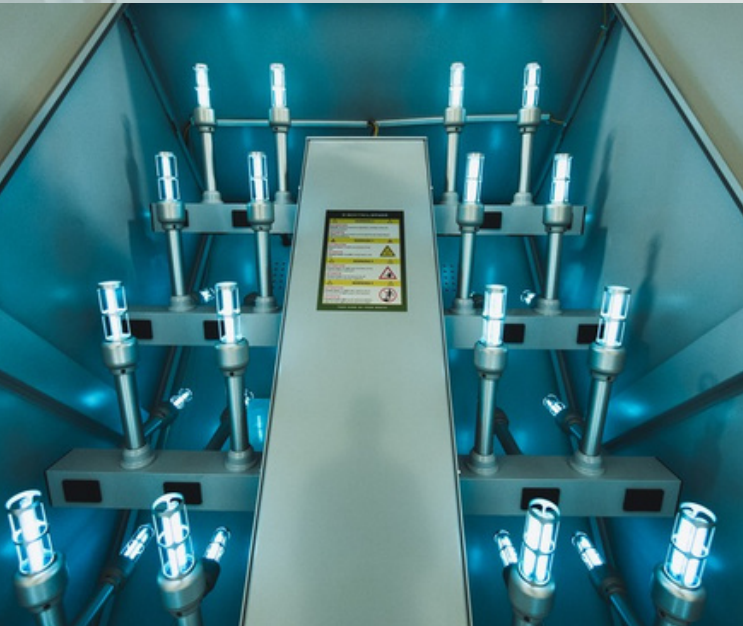
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Type:	BUSINESS SOLUTION 20 01
Number of shoe pairs:	20
Voltage:	230 V
Frequency:	50 Hz
Power usage:	3.3 kWh
Flow rate:	905 m3/h
L X B X H (mm)	1200 x 763 x 2300
Compatible with shoe type:	Any type of shoe/boot



BOOTSCLEANER

UV-C Light

Cleaner. More sustainable. An innovative application of the proven UV-C light technology.

UV-C light is a reusable, sustainable and eco-friendly technology. This is nature's way of purifying and reduces the reliance on toxic byproducts, bleaches, water, or chemicals used in other sterilization methods. Thus, reducing the impact on the environment. In the BOOTSCLEANER BUSINESS SOLUTION, UV-C light is innovatively applied by being integrated into the shoe holders (cabinet optional) to ensure maximum effectiveness.



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Ultraviolet radiation

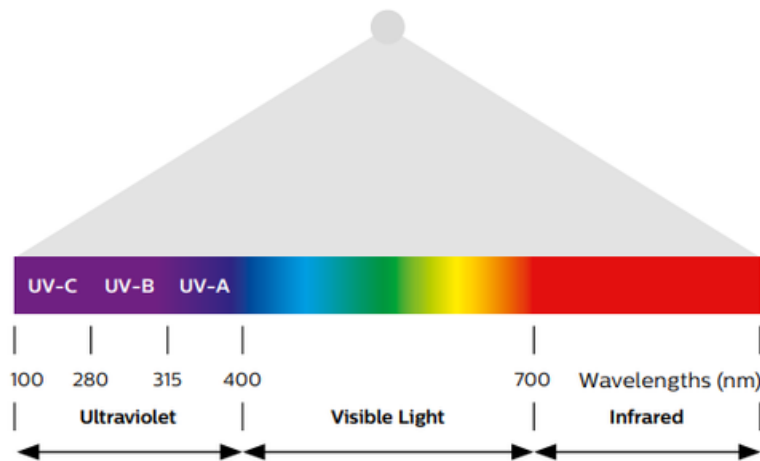
General

Ultraviolet (UV) is a part of the electromagnetic spectrum, positioned between the shortest wavelengths of visible light and the X-ray band. The spectral range of UV light is defined as between 100 and 400 nm ($1 \text{ nm} = 10^{-9} \text{ m}$) and is invisible to the human eye. According to the CIE classification, the UV spectrum is divided into three bands:

UV-A (long-wave): 315 to 400 nm

UV-B (medium-wave): 280 to 315 nm

UV-C (short-wave): 100 to 280 nm



What is UV-C technology

UV light is invisible to the human eye and is divided into UV-A, UV-B, and UV-C. UV-C falls within the range of 100 to 280 nm, with the peak germicidal effectiveness at 265 nm. Philips low-pressure UV-C lamps emit primarily at 254 nm. As a result, our germicidal lamps are highly effective in breaking down the DNA and RNA of microorganisms. This prevents microorganisms from reproducing and causing disease. The technology is mainly used in areas where there is a risk of microbiological contamination and has been used safely and effectively for over 40 years.

Microorganisms

General

A microorganism is a living organism that is too small to be seen with the naked eye. Bacteria, yeasts, fungi, viruses, and single-celled parasites are all considered microorganisms. Microorganisms are present all around us.

When a microorganism can no longer reproduce and grow, this is referred to as cell death, or more practically: the loss of the ability to divide.

To eliminate or remove microorganisms, cleaning and disinfection are necessary. Cleaning refers to the removal of dirt and other unwanted materials. In doing so, the microorganisms present in the dirt are also removed. If needed, disinfection can follow. This process reduces the number of living microorganisms to an acceptable level to prevent their spread.

Bacteria and fungi

Bacteria do not have a cell nucleus and are single-celled organisms. They reproduce through cell division. Bacteria are extremely small and cannot be seen with the naked eye. They are found everywhere, and most are harmless. However, some bacteria can be harmful to human health and cause serious infections, such as *E. coli*, *Cronobacter*, and *Staphylococcus*.

Fungi, unlike bacteria, do have a cell nucleus. They require nutrients to grow. Fungi are aerobic, meaning they need oxygen to survive and develop. Fungi grow through filaments (hyphae) that branch out and expand.



Figure 1. Some examples of bacterial species

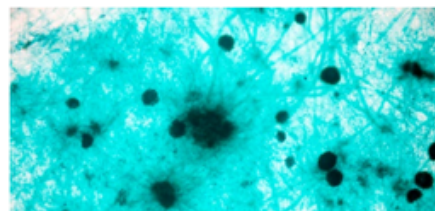


Figure 2. Fungal culture



BOOTSDISINFECTION

BOOTSDISINFECTION is specially developed to keep your shoes fresh for an extended period and is used in combination with the BUSINESS SOLUTION. The unique formula offers an effective antibacterial treatment, ensuring that your shoes stay fresh for up to 48 hours. BOOTSDISINFECTION releases a pleasant freshness reminiscent of bamboo leaves from Asia. BOOTSDISINFECTION is available in two variants: one with a refreshing scent and one unscented, making the BOOTSDISINFECTION suitable for a variety of industries and meeting diverse hygiene requirements.



The benefits

-  Pleasant freshness
-  Suitable of all types of shoes
-  A single treatment refreshes your shoes for 48 hours
-  Effective and antibacterial treatment
-  Neutralizes unpleasant and offensive odors
-  Also applicable in the food industry



BOOTS
DISINFECTION

TAKE CARE OF YOUR BOOTS

Hygienic practices in the workplace

Maintaining hygienic practices protects the health of both employees and consumers. Additionally, good hygiene helps extend the lifespan of products.

Work shoes often foster the ideal conditions for bacterial and fungal growth. This can result in cross-contamination, unpleasant smells, and health problems.

Studies have found an average of 2.887 bacteria inside each shoe, and it's estimated that 5 to 10% of all process-related cross-contamination is caused by these microorganisms.

The impact is significant: food and other products are put at risk, productivity is lowered, health concerns rise, and the workplace environment deteriorates. Standard cleaning methods do not provide a lasting or effective solution — a professional method is essential.

Hygiene and pathogens

Good hygiene reduces the spread of pathogenic microorganisms, helping to prevent infectious diseases.

Microorganisms include bacteria, viruses, parasites, and fungi. They are invisible to the naked eye and are commonly found in body fluids such as blood and urine, on the skin, on furniture and utensils, in food, in the air, in water, and on/in shoes.



BOOTSLEARNER

Hygienic practices in the workplace

Companies and individuals currently do not clean the inside of their shoes at all. Scientific research shows that an average of 2,887 bacteria and germs are present inside shoes, including the intestinal bacterium E. Coli.

Note: a single pathogen can cause multiple people to fall ill in a short period, which is referred to as an "outbreak."



The solution: UV-C light technology

UV-C disinfection uses UV-C light to break down the chemical bonds (DNA/RNA) within microorganisms such as bacteria, fungi, spores, and viruses, preventing them from replicating. Over the years, hundreds of bacteria have been tested, all showing sensitivity to UV-C light disinfection. In laboratory tests, UV-C light inactivated 99.99% of bacteria and fungi in shoes within 30 minutes. This is a clear indication that UV-C light plays a valuable role in your protection strategy.



About BOOTSCLEANER

At BOOTSCLEANER, hygiene and sustainability are our top priorities. We provide innovative systems that clean shoes and can be implemented across all business sectors. BOOTSCLEANER manages every process in-house, from concept and development to production and service. Some aspects, such as the manufacturing of specific parts and assembly, are outsourced to a network of professional and trusted partners. This approach allows us to offer you a complete, all-in-one solution.

In today's world, it is essential to preserve and extend the lifespan of our products. Shoes play a crucial role in performing your tasks. However, shoes are often poorly maintained, making them difficult to clean thoroughly. This can lead to bacteria and fungi developing inside the shoe. Furthermore, poorly maintained shoes need to be replaced more frequently. To ensure shoe hygiene and raise awareness about proper shoe care, BOOTSCLEANER develops innovative solutions for the business world.

At BOOTSCLEANER, we have a professional team of specialists ready to assist. This ensures that our innovations remain at a high level, allowing us to serve you exceptionally well, with a focus on both hygiene and sustainability.

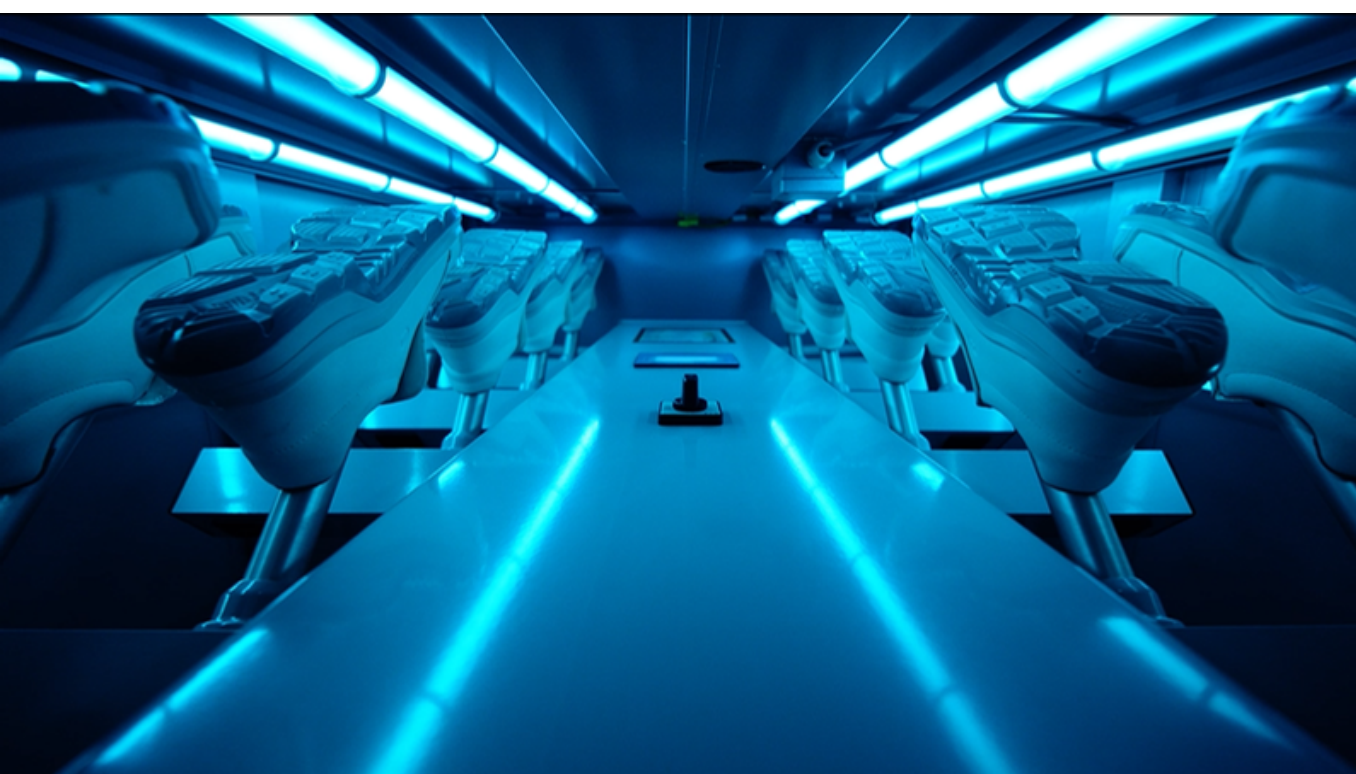
TAKE CARE OF YOUR BOOTS



Our commitment to hygiene and sustainability, the dedication of our team, and the trust of our partners form the foundation for the continued growth of BOOTSCLEANER.

Maxim B. Santifort - Managing director

M. B. Santifort



Our CSR pillars

The pillars of our CSR policy are sustainable business practices, work environment, climate, biodiversity, and circularity. These pillars are aligned with the United Nations Sustainable Development Goals (SDGs).



SDG 3 - Good Health and Well-being

The BOOTSCLEANER BUSINESS SOLUTION helps to prevent the spread of bacteria and pathogens through the use of UV-C light and antibacterial fragrance. This contributes to a healthier working environment and reduces employee absenteeism within organisations.



SDG 6 - Clean Water and Sanitation

The machine operates without the use of water or chemical cleaning agents, significantly reducing both water consumption and environmental pollution.



SDG 8 - Decent Work and Economic Growth

The production of the BOOTSCLEANER takes place in the Netherlands and is partially assembled in cooperation with a social enterprise. This supports employment opportunities for individuals with a distance to the labour market.

Furthermore, a hygienic working environment contributes to greater productivity and employee well-being. By extending the lifespan of work footwear, companies achieve both cost savings and waste reduction.



SDG 10 - Reduced Inequalities

BOOTSCLEANER promotes inclusivity through its collaboration with the social enterprise. This initiative provides fair employment opportunities and personal development for individuals who face challenges in accessing the regular job market.

Our CSR pillars

The pillars of our CSR policy are sustainable business practices, work environment, climate, biodiversity, and circularity. These pillars are aligned with the United Nations Sustainable Development Goals (SDGs).

12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



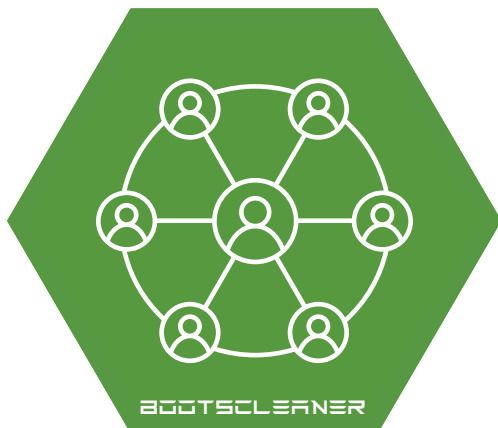
SDG 12 - Responsible Consumption and Production

The BOOTSCLEANER BUSINESS SOLUTION encourages efficient use of Personal Protective Equipment (PPE), helping to prevent unnecessary waste by optimising the durability of work footwear. As a result, shoes last longer and require less frequent replacement. Additionally, the ecological footprint is minimised through the use of sustainable technologies such as UV-C light.

By investing in the BOOTSCLEANER BUSINESS SOLUTION, organisations not only enhance their hygiene policies, but also make a tangible contribution to a sustainable and socially responsible future.

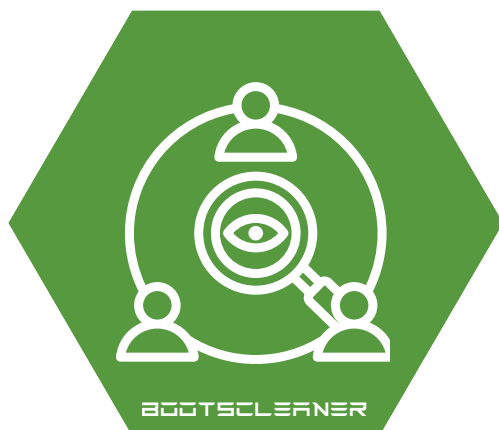


What matters to us



Strong relationships

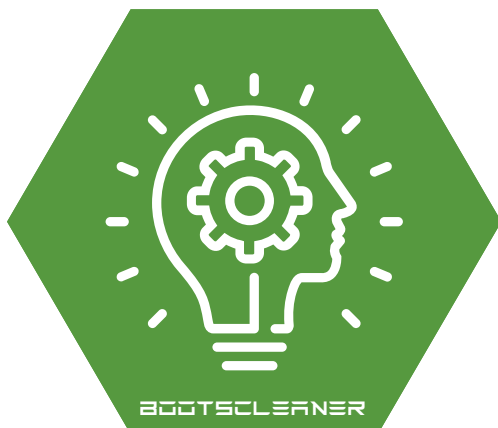
At BOOTSCLEANER, we focus on a few key aspects, including building high-quality BOOTSCLEANER systems and fostering and maintaining strong relationships. Through purposeful discussions and collaboration, we make well-informed decisions that will have the greatest impact on your business. At BOOTSCLEANER, our customers always come first.



Transparency

Transparency is central to BOOTSCLEANER. We believe that open and honest communication is the foundation for trust. This enables us to build and maintain strong relationships with our customers and suppliers. By operating transparently, we foster collaboration.

What matters to us



Innovation

At BOOTSCLEANER, innovation is a key core value. We are constantly striving for innovative solutions, with creativity and development deeply embedded in our DNA.



Equality

Equality is a fundamental core value at BOOTSCLEANER. We are committed to treating everyone equally, regardless of their background or characteristics. This value is central to our company. At BOOTSCLEANER, we strive for and believe in a just world where equal opportunities are paramount. For example, some of our products are assembled in a social workplace, providing opportunities for people who face challenges in the job market.



BOOTSCLEANER

TAKE CARE OF YOUR BOOTS



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Address: BOOTSCLEANER BBS B.V.
Hogeweijdselaan 175 P
1382 JL Amsterdam
The Netherlands

Phone: +31 (0) 20 895 08 39
Email: info@bootscleaner.com
Website: www.bootscleaner.com
Chamber of Commerce (KvK)
number: 42102478 Amsterdam

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koninklijke
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