

 *i-clean* handle



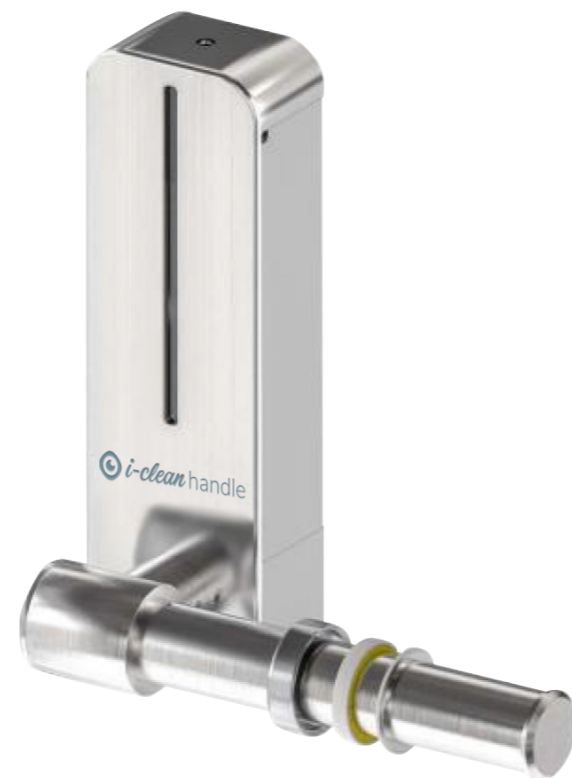
The first
self-disinfecting
door handle



Revolutionize hygiene with the i-clean handle

Award-Winning innovation for health and safety

With 95% of people not washing hands properly, door handles are major vectors for transmitting bacteria and viruses. The self-disinfecting i-clean handle addresses this by neutralizing 99.99% of harmful bacteria and viruses, including E.coli, S.aureus, and all enveloped viruses like the Norovirus, within 30 seconds. Independently verified by Mikrolab GmbH, this handle automatically disinfects itself, significantly reducing the risk of disease transmission and ensuring a healthier environment for any facility.



95% of people do not wash their hands properly

The first **self-disinfecting** door handle



Eliminates bacteria and viruses
A revolution in the battle against germs and infectious diseases. Effective against E.coli, S.aureus, and all enveloped viruses, including the Norovirus which is unique!



Self-disinfecting
Utilizes patented technology to neutralize 99.9% of bacteria and viruses within 30 seconds, effectively reducing the risk of disease transmission.



Prevents infection
Prevents the spread of one of the most common sources of infections. Decreasing sick days and boosting overall productivity.



Smart detection
Only the side that is touched activates the mechanism. This is measured by a smart sensor. The other side of the handle remains inactive until it is also touched.

Direct benefits



Tested and verified by independent laboratories, including Mikrolab GmbH

Reduced Absenteeism

Significantly lowers the likelihood of germ transmission, decreasing sick days and boosting overall productivity.

Cost savings

Reduces the frequency of cleaning required and cuts down on the number of sick days, saving considerable costs annually.

Quick ROI

The investment in i-clean handles pays off rapidly, with an average ROI period of 11-12 months due to reduced absenteeism and lower maintenance costs.

Why i-clean handle?

A healthier environment for everyone

Your decision today shapes the well-being of tomorrow. The i-clean handle is the first self-disinfecting door handle, designed with patented technology to create a safer, healthier workplace. Implementing this door handle results in direct health benefits and operational excellence. Here's why every business should consider upgrading to i-clean:

+ Promote a culture of health

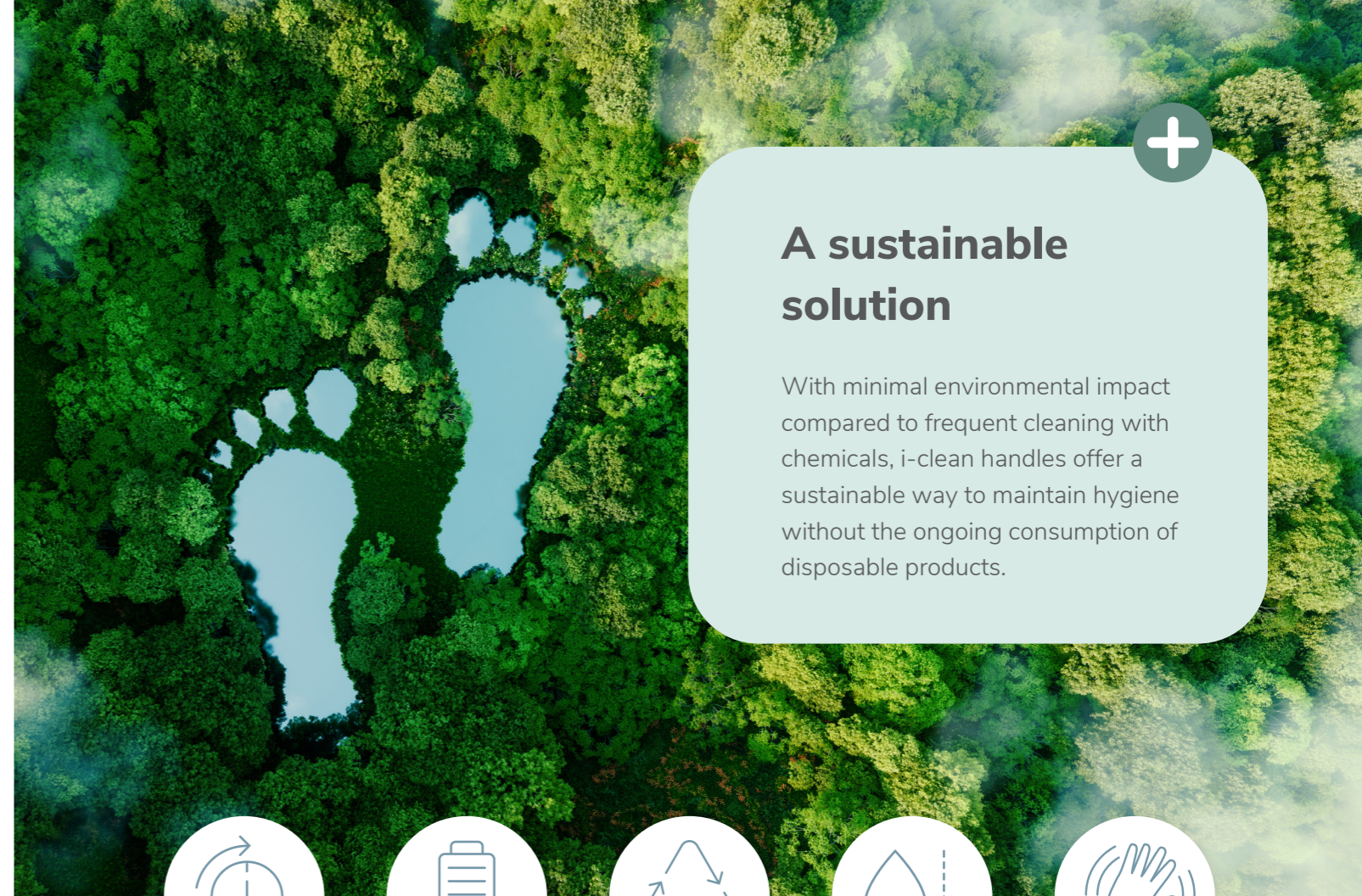
Introducing i-clean handles sends a powerful message about your commitment to health and safety. This move can boost employee morale and customer confidence, reduce health-related anxieties, and foster a culture that values well-being.

+ Economic savings

By dramatically reducing the spread of germs, i-clean handles can decrease the frequency of employee sick days, thereby enhancing productivity and reducing losses due to illness.

+ Boost your public image

Showcasing your investment in state-of-the-art health technology enhances your brand's reputation. Customers and partners recognize and appreciate businesses that prioritize community health and safety.



A sustainable solution

With minimal environmental impact compared to frequent cleaning with chemicals, i-clean handles offer a sustainable way to maintain hygiene without the ongoing consumption of disposable products.



Sustainable service life
> 200,000 running cycles



Battery lifetime
800 running cycles



Fully recyclable
All parts are recyclable



Flow rate
Only 0.009ml



Smart hand detection
Only the touched side is disinfected

+ Compliance

As regulations around workplace safety tighten, having i-clean handles helps your business stay ahead of health regulations and standards, potentially averting penalties and legal issues.



Long-term investment

The i-clean handle's durable design and low maintenance needs make it a long-lasting investment that keeps paying dividends in health benefits and operational efficiency.

Case study

Sickleave at Dutch companies

CBS (Statistics Netherlands)

- On average, every Dutch worker takes 5 sick days off for every 100 days of work
- This is 5% of total work time

ArboNed

- 1 sick day in the Netherlands costs the company 300 Euros (including insurances, lost productivity, doctor consultation, etc.)

“12% of sick leave is the result of infections in the workplace”

At an office with 80 employees, this means...

260 working days – 25 vacation days = 235 working days
235 working days / 100 work days = 2.35 factor
2.35 factor * 5 sick days = 11.75 sick days per year (per person)

11.75 sick days * €300 = € 3,525 per person sick cost
So € 3,525 * 80 people = **€ 282k in expenses**

Each reduced day saves approximately
€ 56.400

How it works

Use as a traditional door handle

The i-clean handle seamlessly integrates high-tech functionalities while maintaining the familiarity of a traditional door handle. Its operation is simple yet effective, ensuring a clean and safe environment with each use. Here's a breakdown of how it works:



Disinfectant irrigation: The process begins with the ring being irrigated with a disinfectant solution.

LED Indicator: A LED light signals when the handle is ready to undergo the disinfection process. This visual cue provides assurance to users that the handle is being properly sanitized.



Disinfection mechanism: The ring, now saturated with disinfectant, moves back and forth along the handle's surface. This motion ensures comprehensive coverage, effectively targeting any bacteria or viruses present.

Pathogen elimination: As the disinfectant-coated ring moves, it leaves behind a thin film of disinfectant on the handle. This layer effectively eliminates viruses and bacteria, rendering the handle safe for subsequent users.

Ready for use: Once the disinfection process is complete, the handle is ready for immediate use. Users can confidently grasp the handle, knowing that it has been thoroughly sanitized and is free from harmful bacteria and viruses.





Request a Demo

Discover how the i-clean handle can transform your approach to hygiene and safety. Join us in our mission to create happier, healthier communities, one door handle at a time.



[Visit our website](#)

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