



UV SMART™ D60 System

High-level disinfection of channel-less
ENT endoscopes and TEE probes in 60 seconds



Current challenges

Slow disinfection cycle



Long wait times

Slow disinfection
can disrupt your department's workflow.

Water and chemical usage



Recurring resources expenditures

Chemical disinfection methods require recurring
chemical supplies purchase, storage and disposal.

TEE probe cannot be submerged



Probe handle not soaked in chemical solution

Current automated liquid immersion methods
do not disinfect the whole probe surface.

Manual disinfection



Human error can occur

Manual wiping, soaking, and rinsing are subject
to operator-dependent variability.



In just 60 seconds

Chemical-free high-level disinfection



60-second disinfection in the department

Streamline your facility's workflow and patient throughput.



Compatible with major OEMs

Material compatibility testing ensures equipment materials can withstand repeated UV-C exposure across their expected service life.

For compatibility inquiries or to verify specific device models, go to www.uvsmart.nl/compatibility-d60.



Automated disinfection

Eliminate manual disinfection and manual traceability.



Full external equipment surface disinfection

Add a layer of protection for both your patients and your team.



100% Chemical-free

Eliminate the need for the continuous purchase, storage and disposal of chemicals.



J. van Kampen

Physician Assistant ENT

Langeland Hospital, The Netherlands

“ We were able to reduce our reprocessing cycle from 2-3 hours to merely minutes. The saved time is now devoted to the patients, which in the end matters most. ”

The new workflow



➞ Compatible with major endoscope and probe manufacturers

The D60 adapts to your healthcare setting

The D60's display gives clear feedback to the user.

Place the D60



On the ward

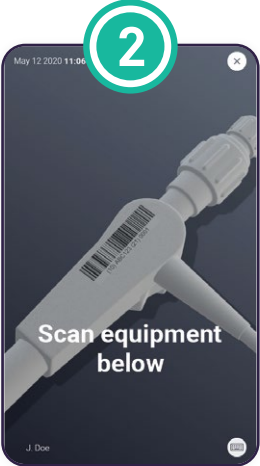
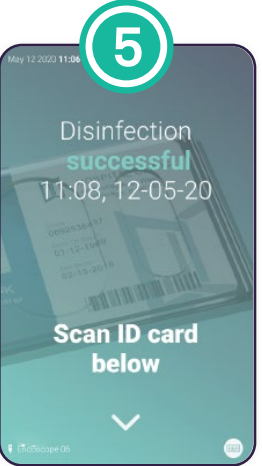


In the clinic



In the central
sterile services
department

How to Use the D60

						
Start of the process	Scanning	Placement	Disinfection	Scanning	Hand disinfection	Disinfection successful
Pre-clean your equipment and perform a leak test.	Scan your ID and the equipment for traceability.	Place the equipment in the D60 and close the door.	Wait 60 seconds for the D60 to finish the cycle.	Scan your ID to unlock the door.	Disinfect your hands.	Take out the ready-to-use equipment.

DISCLAIMER:

This guide is not intended to replace the Instructions for Use (IFU). Prior to use, read and follow the full IFU as the featured steps may not include the complete steps of the procedure. Individual surgeon preference and experience, as well as patient needs, should always dictate variation in procedure steps.

Smarter disinfection to reduce emissions

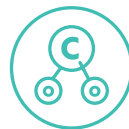
The biggest win starts when the **D60** is put in practice.
Compared to a washer disinfectant, annually:



Chemical use reduced by up to **1547 liters¹**



Water consumption decreased
by as much as **7875 liters¹**



CO₂ emissions cut by
approximately **8703.65 kilograms¹**

¹- Whitepaper, non-peer-reviewed study conducted with Reinier de Graaf Hospital and Technical University Delft. (2023).
Results reflect this specific facility and may vary for other healthcare sites.
Article available upon request.

Adopted by healthcare professionals



CANADA

University of Western Ontario (2023)

UNITED STATES

The NYU Langone Health
United States (2023)



Published studies

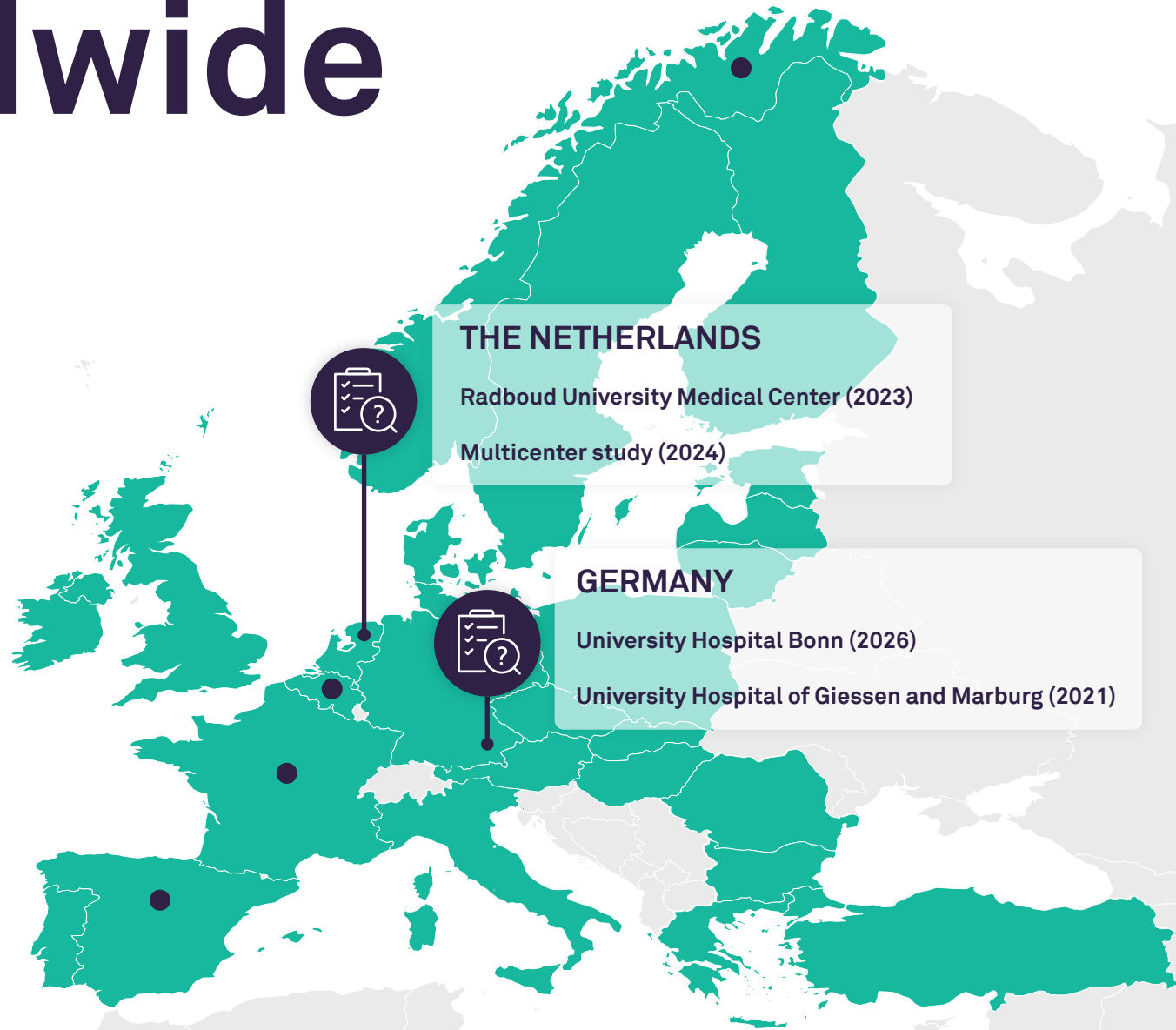
Available on request



Reference sites

Available for conversation on request

worldwide



What is the Green Standard?

The Green Standard is a guide to integrate UV-C devices into hospitals. It includes disinfection guidelines, training, add-ons and more.

UV SMART™ D60 System Disinfection add-ons



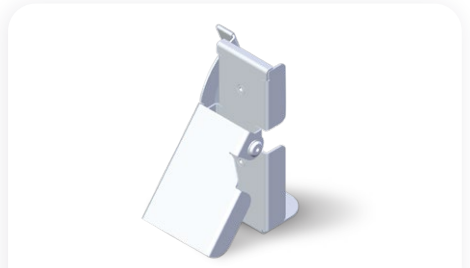
1. (Pre-)Cleaning essentials



2. Secure transport and storage



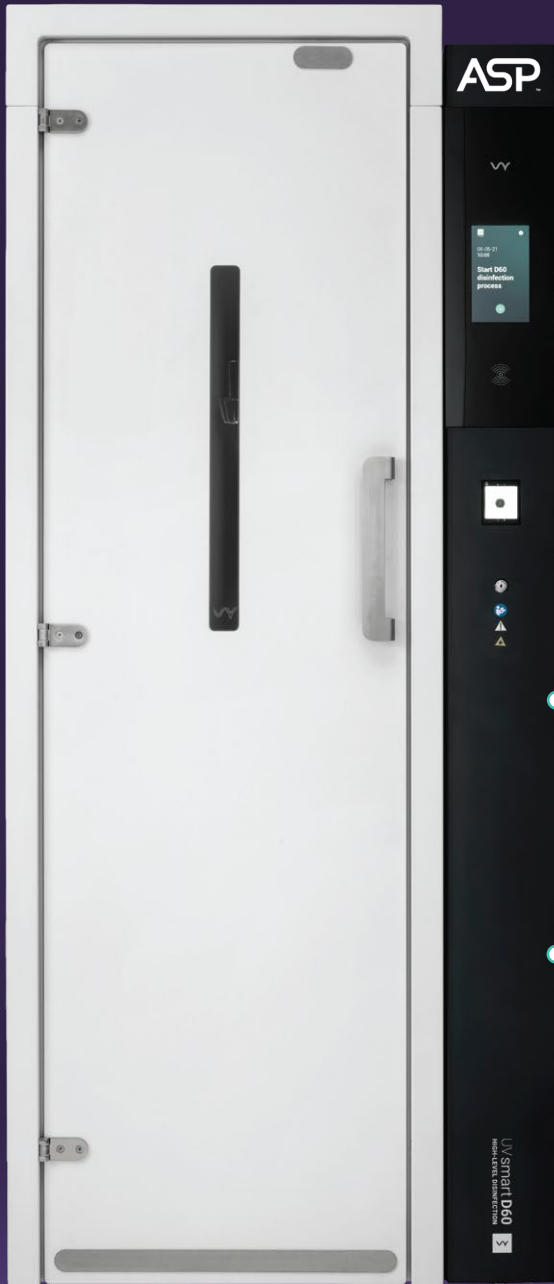
3. Compliance and audit readiness



4. Safe handling and ergonomics



5. Continuous care and maintenance



Connectivity

When the **D60** is connected to your facility's intranet, the reprocessing information can be viewed on a desktop-installed license of UV SOFT™ or sent to the Hospital Information System (HIS).

This way, you are always up to date and auditable.



Seamless traceability with UV SOFT™

	D60 System without UV SOFT™	D60 System with UV SOFT™
Annual Maintenance: Ensures consistent operational efficiency.	✓	✓
Audit Readiness: Automatically keeps records that are essential for audits, reducing the administrative burden.	✓	✓
Readily Available Traceability: Facilitates easy and remote access to up-to-date reprocessing information.	✗	✓

Service life and maintenance

The D60 has a service life of 10 years. Every 12 months of use, the device requires maintenance and will prompt a notification on the display. All replacement parts and maintenance activities are included in the service agreement offered by your local distributor.

2-year warranty does not include wear parts replaced during maintenance

The prescribed service agreement includes:



Annual service and maintenance with minimal downtime



Replacement of critical wear parts during maintenance



Sensor function check and calibration verification



Technical support



D60 Technical Specifications

Product name (brand name)	D60 (UV SMART™)
Type of unit	D60 UV-C Medical Disinfection Device
Classification (acc. to IEC/EN 61010-1)	Medical Disinfection Device
Class (acc. to MDR)	IIa
Ingress protection	IP 20
Voltage rating, overvoltage category	110-120VAC/220-240VAC (±10%), OVC II
Frequency	50/60Hz
Amperage rating	10A/5A
Max. power rating	650W
Wavelength	253.7nm
Accessible fuse value	4A time-lag fuse (ø5x20mm) x 2 220-240V: 5A time-lag fuse (ø5x20mm) x 2 110-120V: 10A time-lag fuse (ø5x20mm) x 2
Photobiological safety class	Exempt Risk Group (IEC 62471)
EMC & electrical safety	IEC 61326-1, IEC 60601-1-2, IEC 61010-1, IEC 61010-2-040
Product lifetime	10 years

Operating conditions

Relative humidity	20% - 75%
Temperature	0°C - 40°C
Atmospheric pressure	800hPa - 1060hPa

Transport and storage conditions

Relative humidity	5% - 90%
Temperature	-20°C - 45°C
Atmospheric pressure	700hPa - 1060hPa

Weight	Approx. 180kg
Dimensions (WxHxD)	861mm x 2033mm x 473mm (closed)
Pollution degree	PD2
IT connection	USB, Ethernet cable
Track & Trace	Retrievable via UV SOFT™ and D60 internal memory
Technical inspection (Service/Maintenance)	Every 12 months

Frequently Asked Questions

Our team is happy to answer all your questions.

Q: Can I disinfect gastrointestinal endoscopes in the D60?

A: Since gastrointestinal endoscopes have working channels, they cannot be disinfected in the D60. The D60 is only intended for ENT endoscopes and TEE probes without a working channel, because the D60 only disinfects outer surfaces.

Q: Can more than one endoscope/probe fit in the D60 during disinfection?

A: No, to make sure the endoscope/probe is disinfected properly, only one endoscope/probe can be disinfected at a time.

Q: Can I disinfect rigid ENT endoscopes in the D60?

A: Yes, channel-less rigid ENT endoscopes can be disinfected in the D60.

Q: Does the D60 require special connections?

A: No, the D60 only requires a standard power socket (110–120 V or 220–240 V) to function. If the D60 is connected to the facility's intranet for additional traceability, an ethernet cable is required.

Q: Do I need to pre-clean the equipment?

A: Yes, pre-cleaning must be done before disinfecting the equipment in the D60. Pre-cleaning must be conducted according to the IFU of the OEM.



To learn more visit
www.uvsmart.nl

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DISCLAIMER

The information contained herein is meant to describe the use of the product(s) and is not intended to provide advice on medical procedures. UV Smart Technologies B.V. makes no representations or warranties whatsoever as to the accuracy, completeness, or suitability for the purpose of the information/training. Products and specific indications might be unavailable in certain markets, given that product availability is subject to regulatory approval (and/or medical practices in individual markets). The healthcare provider is responsible for the clinical implementation of UV SMART™ products. The instructions for use and accepted medical guidelines should always be checked prior to the application of UV SMART™ products.

Important information: Prior to use, refer to the complete instructions for use supplied with the device(s) for proper use, indications, contraindications, warnings and precautions.

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