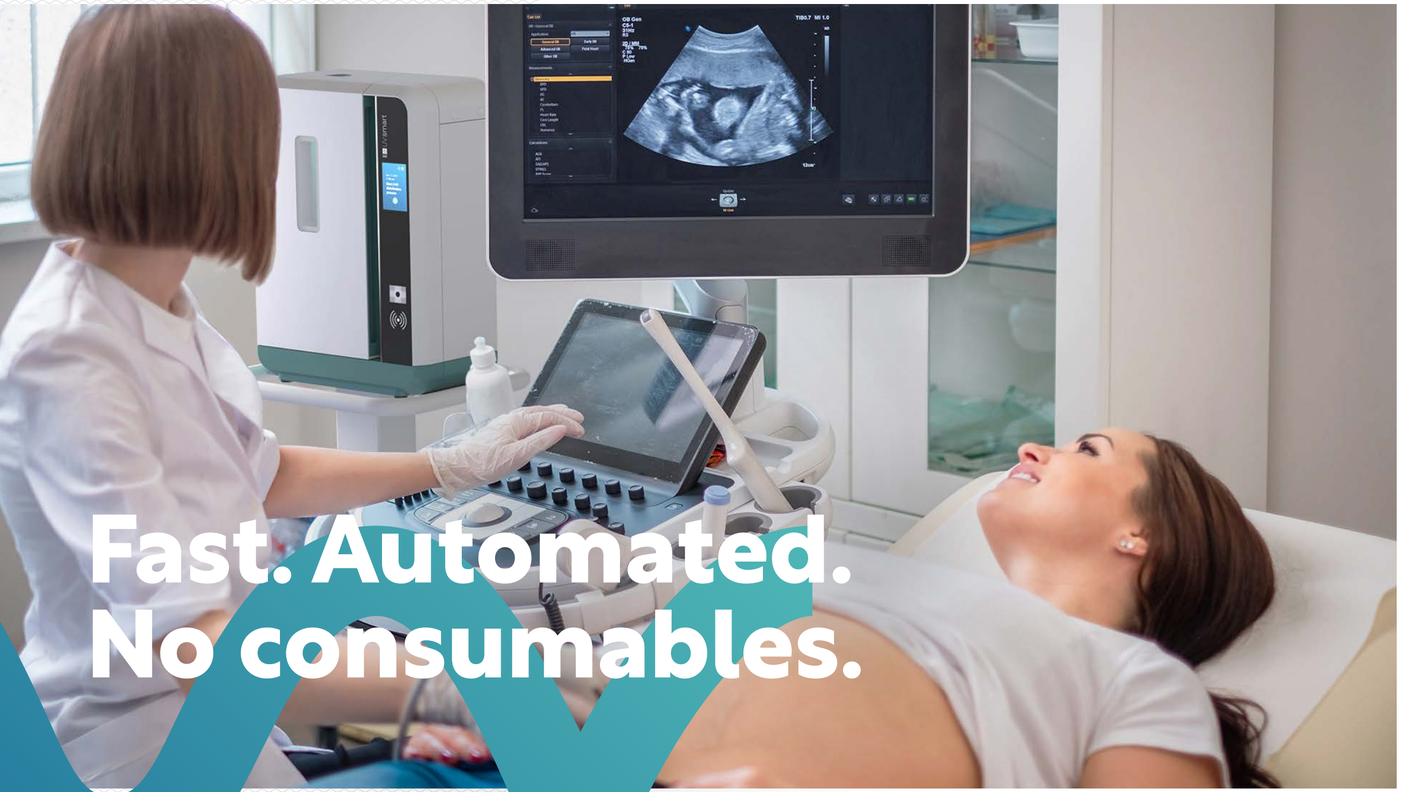
UV Smart

D45

High-level disinfection for ultrasound probes in a matter of seconds

uvsmart.nl

UVsmart



UV Smart D45

The UV Smart D45, powered by Impelux™ UV-C technology, is the fastest automated high-level disinfection device for ultrasound probes.

The UV Smart D45 elevates the standard of safety and efficacy in ultrasound probe with its unique Independent Monitor System (IMS).

The UV Smart D45 is the only device that is equipped with a unique Independent Monitor System (IMS). These sensors meticulously monitor both UV-C dosage and lamp performance. This ensures that every disinfection cycle delivers optimal UV-C radiation, leading to consistent and effective high-level disinfection.

Lightning fast

High-level disinfection in just over a minute with no warm-up time.

Automated Disinfection

Consistent, reliable, and traceable results with each cycle.

Sustainable & Economical

No use of water, wipes, chemicals, and other consumables during disinfection.

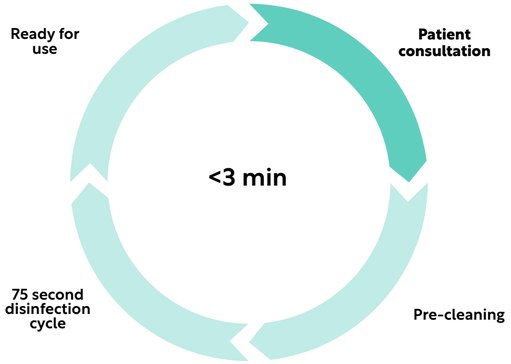
Versatile Design

Easily fits into current workflows and can be placed on a trolley, cart and table.

Safe and Gentle

Cold and dry disinfection that preserves equipment integrity and limits the spread of STDs and HPV.

D45 workflow



Save on

- Time
- Chemicals
- Inventory
- Disposables
- Water
- Energy
- Damage on ultrasound probes

The D45 adapts to your healthcare setting

Easy to use, the D45 has an intuitive interface and gives clear feedback to the user.

Place the D45

- On the wall
- Cart
- Table

How to use the D45

Start of the process	Scanning	Placement	Disinfection	Scanning	Hand disinfection	Disinfection successful
STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7
Pre-clean the probe.	Scan your ID and the probe for traceability.	Place the probe in the D45 and close the door. Wait 75 seconds.	Wait for the D45 to finish the cycle.	Scan your ID to unlock the door.	Disinfect your hands.	Take out the ready-to-use probe.

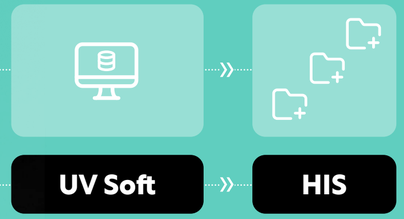
The D45 records all necessary reprocessing data

The software records the following information

- Ultrasound probes number or ID
- The badge number of the employee twice (intake & outtake release)
- Variables of the disinfection cycle (UV dosage, time and power usage)
- Disinfection cycle result
- Optional printer connection allows for direct printing of reprocessing data tickets.

Connectivity

With UV Smart's software, UV Soft, the D45 will transfer the reprocessing cycle information automatically to the intranet-based application. This data can then be transferred to the Hospital Information System (HIS).



Technical Specifications

Product name (brand name)	D45 (UV Smart)
Type of unit	D45 UV-C Medical Disinfection Device
Classification (acc. to IEC/EN 61010-1)	Medical Disinfection Device
Class (according to MDR)	IIa
Ingress Protection	IP 20
Voltage rating, overvoltage category	120–250 VAC (±10%), OVC II
Frequency	50/60Hz
Amperage rating	2A
Max. power rating	200W
UV-C range (wavelength)	100–280nm (peak at 253.7nm)
Fuse value	2 x 2A time-lag fuse (ø5×20mm)
EMC	IEC 61326-1/61000-3/4 (A1, CISPR 11)
Product Service Life	10 years

Operating conditions

Temperature	5°C - 40°C
Relative humidity	20% - 85% (without condensation)
Atmospheric pressure	800hPa - 1060hPa

Transport and storage conditions

Temperature	-25°C - 60°C
Relative humidity	20% - 85% (without condensation)
Atmospheric pressure	800hPa - 1060hPa
Weight	Approximately 25kg
Dimensions (WxHxD)	390mm x 525mm x 200mm (closed)
IT connection	Ethernet Cable
Track & Trace	Retrievable via UV Soft and D45 internal memory
Technical inspection (service/maintenance)	Every 12 months

Please contact us for more information

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To learn more visit our website at **uvsmart.nl**

DISCLAIMER

The UV Smart D45 is CE marked (MDR Class IIa)
The UV Smart D45 is not yet FDA approved

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.