

Tru-D.iQ

The evolution of
intelligence.



The evolution of Tru-D SmartUVC.

- 2007** The **Tru-D** Classic is introduced to the market as the first automated, no-touch UVC disinfection device
- 2007 to 2017** More than 10 pieces of scientific literature are published on the effectiveness of the **Tru-D** device
- 2012 to 2014** A randomized control trial is conducted evaluating the **Tru-D** technology's effectiveness. It was published in 2017 in *The Lancet*
- 2018** **Tru-D** SmartUVC marks 750 devices sold in the market
- 2019** **Tru-D** SmartUVC is acquired by PDI
- 2020** The COVID-19 pandemic greater emphasizes the need for enhanced UVC disinfection
- 2023** **Tru-D** SmartUVC launches the **Tru-D** iQ system



Introducing the Tru-D iQ system.

The next generation of mobile UVC-dosing devices by Tru-D SmartUVC.

The **Tru-D iQ** system of integrated products is adaptable, powerful and intuitive, allowing for trusted disinfection of virtually any space with remarkable speed and accuracy.

The system has three components—**Tru-D iQ Tower**, **Tru-D iQ Scout** and **Tru-D iQ Controller**—that together make for one of the most advanced UVC systems available for disinfection of any space.

Tru-D.iQ



Efficient, precise dosing.

Dynamic Dosing and Flux Acceleration make the iQ system powerful, decisive and precise. These features ensure minimal warm-up time as the lamps rise and the ability to shift output among the bulbs to maximize UVC dosing.

Tru-D® iQ



Tru-D iQ Tower

Tower is the most powerful, advanced, intelligent component of the iQ system. It can be used by itself or together with its smaller counterpart, Scout.

Tru-D iQ Scout

Scout is the most compact, maneuverable component of the iQ system which still provides powerful UVC disinfection. It can be used by itself for small spaces with the Controller. Scout nestles into the Tower for ease of transportation.

Tru-D iQ Controller

The Controller is the mobile command center for all iQ disinfection devices. For transportation, it can be docked onto the Tower. Scout can also dock onto the Controller.





By adding Scout to the bathroom, operators are able to close the door and reduce the area the Tower device has to disinfect, which positively affects cycle time in the room.

Tru-D iQ

The **Tru-D** iQ system is versatile and can be used with or without Scout. A second Tower can also be used in the room to decrease cycle time.

Smart.

The **Tru-D** portfolio of products is the only intelligent disinfection system with **Sensor360®** technology that measures and calculates an accurately timed cycle, providing the precise, lethal dose of UVC needed for room disinfection.

Compensating for size, shape, geometry and contents, the **Tru-D** technology takes the appropriate time necessary to disinfect a room, reducing human error in the disinfection process.

The **Tru-D** iQ system takes smart disinfection to the next level, allowing operators to “do” and not “decide” when it comes to using the device. Some of the smarter features of the iQ system include:

- Motion360 PIR sensors detect heat signature and motion
- DoorSense detects any UVC outside the room
- Controller and multiple safety barriers prevent entry
- Controller autocharge increases uptime
- Intuitive light and audible indicators communicate modes of operation
- Pre-selected, customized disinfection protocols for operators



The evolution of

The **Tru-D Classic** device features innovative technology that measures the UVC dose needed to thoroughly disinfect a room.



Scout brings more flexibility for smaller spaces, and its bulbs are protected in its base when not in use.



Once the lamps are deployed, Scout uses the same **Sensor360®** technology as its larger counterparts.



of intelligence.



Control your iQ devices and get real-time data with the Controller, the hub for all things **Tru-D iQ**.



Tower features include improved cycle time, Dynamic Dosing, auto-deployed bulb array, enhanced safety features and more.



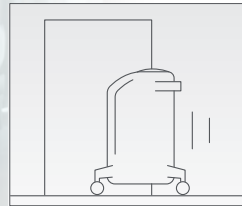
Just as the **Tru-D** Classic device, Tower compensates for room variables and administers a precise, measured dose of UVC, but now faster and more efficiently.

Efficient.

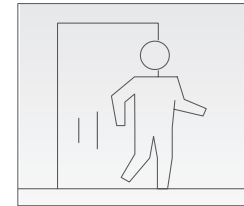
The **Tru-D** iQ system ensures quick, efficient UVC dosing to provide room disinfection outcomes—with notably faster cycle times than the **Tru-D** Classic device.

In lab testing, the Tower achieved a 3.21-4.31 \log_{10} reduction in direct line of sight and shadowed areas of a typical room in as little as five minutes. In an average size restroom, Scout achieved a 4.01-4.31 \log_{10} reduction in direct line of sight and shadowed areas in as little as eight minutes.

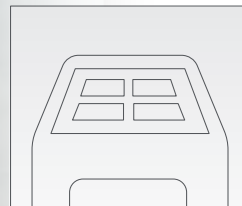
A repeatable process in every room.



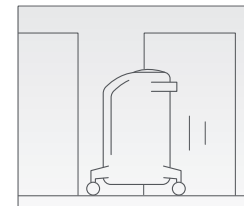
1. After manual cleaning, roll the **Tru-D** robot into the room



2. Clear the room of people and utilize safety measures



3. Use the Intuitive Controller to turn on the device and disinfect the room



4. Move **Tru-D** robot to the next room



Effective.

The **Tru-D** family of products has been shown to consistently provide positive room disinfection outcomes.

The **Tru-D** Classic device has been validated by more than 10 independent studies authored by leading authorities to show its effectiveness against microorganisms.

The **Tru-D** iQ System has shown positive results when tested against microorganisms in direct line of sight and shadowed areas in an independent lab setting.



Tru-D Classic Efficacy Results:

Microorganism	Log Reduction	Reference
<i>C. difficile</i>	2.4 - 4 log ₁₀	Rutala et al., 2010
MRSA	>4 log ₁₀	Mahida et al., 2013
<i>C. auris</i>	2 - >4 log ₁₀	Rutala et al., 2021
SARS-CoV-2	3.6 - >4 log ₁₀	Independent testing on live SARS-CoV-2 virus at distances of 6-14 feet.
VRE	2.3 - >4 log ₁₀	Mahida et al., 2013

iQ Tower Efficacy Results:

Microorganism	Log Reduction*
<i>C. difficile</i>	2.82 - 4.61 log ₁₀
MSSA	5.06 log ₁₀
<i>C. auris</i>	3.48 - 4.48 log ₁₀
SARS-CoV-2	3.21 - 4.31 log ₁₀
Influenza A (H1N1)	4.25 - 5.25 log ₁₀

*Independent Lab Results

iQ Scout Efficacy Results:

Microorganism	Log Reduction*
<i>C. difficile</i>	4.1 - >4.69 log ₁₀
MSSA	4 log ₁₀
<i>C. auris</i>	4.13 - >4.13 log ₁₀
SARS-CoV-2	4.0 - >4.3 log ₁₀
Influenza A (H1N1)	4.0 - 4.25 log ₁₀

*Independent Lab Results



Tru-D SmartUVC helps guide you to success.

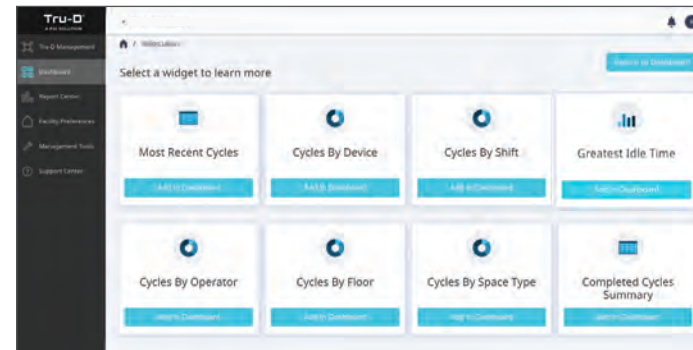
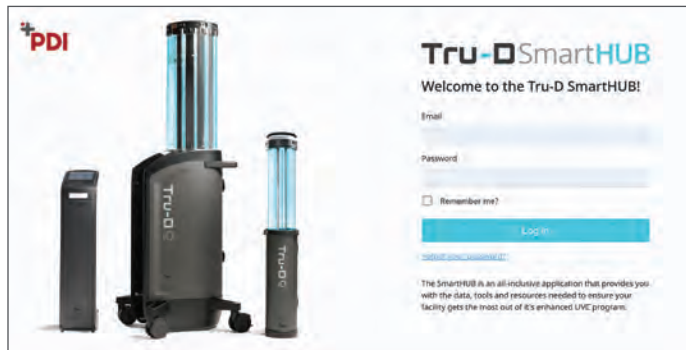
- Provides a comprehensive, programmatic approach to education and adoption
- Guides your team through implementation and training
- Builds a strategic internal and external communications plan
- Tracks usage through secure Tru-D SmartHUB
- Supports customers with 24/7 hotline
- Takes pride in excellent customer service and technical support

Tru-D iQ

SmartHUB.

The **Tru-D** SmartHUB is an all-inclusive, web-based application that provides authorized users with the data, tools and resources needed to ensure each facility gets the most out of its enhanced disinfection program with the use of the **Tru-D** system.

Both Scout and Tower connect to the **Tru-D** SmartHUB reporting system. Data is transformed into actionable information for optimized management. The Controller transmits data between the iQ devices and the **Tru-D** SmartHUB for instant access to information.





Tru-D Classic

SmartUVC Engine

The **Tru-D** Classic device is driven by the SmartUVC engine, the unique brain behind the robot.

Sensor360 Measured UVC Dose

Instrument-grade sensors calculate an accurately timed cycle ensuring consistent, thorough disinfection.

UVC Energy Disinfects

The Classic **Tru-D** device's bulbs deliver chemical-free UVC energy to inactivate microorganisms in both direct and shadowed areas.

Single Placement

The **Tru-D** Classic device thoroughly disinfects a space from top to bottom from a single position in the room.

Tru-D®

Tru-D iQ System

The iQ system expands on the **Tru-D** Classic device with enhanced efficiency features, autocharge capabilities and more robust reporting software.

Tru-D Product Features	Classic	iQ
Sensor360® Technology	*	*
Tru-D SmartUVC Data Portal	*	
Tru-D SmartHUB		*
Remote Control	*	
Intuitive Controller		*
Autocharge		*
Dynamic Dosing		*





PDI + Tru-D SmartUVC have you covered.

Multiple layers of defense are needed to ensure the highest level of cleanliness because no single approach can completely eliminate the environment of microorganisms. The **Tru-D** SmartUVC family of disinfection products combined with highly compliant manual disinfection products, such as PDI's surface disinfectant wipes, has shown a reduction of microorganisms on hard, nonporous surfaces in the environment.

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Tru-D®

+PDI®

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