OLEY MRT

PRODUCT CATALOG

UVC DISINFECTION CABINET

Fast, safe and traceable hygiene for lead aprons

An enclosed UVC cabinet developed for lead aprons and ionizing radiation protective equipment.

Designed for clinical radiation protection workflows

- 275 nm UVC LED technology
- 360° homogeneous UVC coverage
- Hanging, contactless disinfection
- 10-15 minute controlled cycle
- HEPA + activated carbon filtration

Standardized hygiene for shared radiation protective equipment.

Lead aprons, thyroid shields, gonad shields, radiation glasses and suitable accessories.

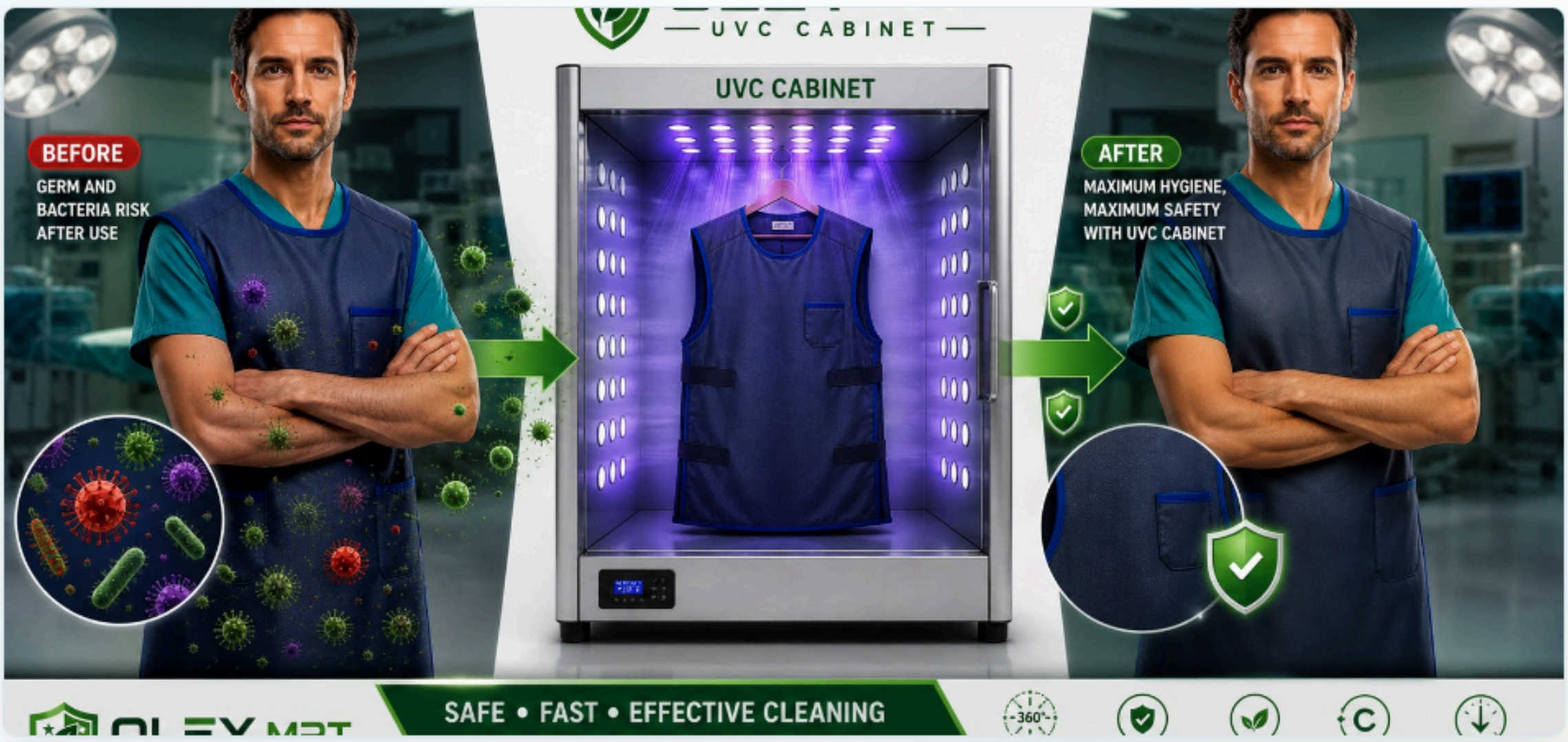
Enclosed | Ozone-free | Traceable

THE NEED

Surface hygiene is critical for shared protective equipment

Lead aprons, thyroid shields, gonad shields and radiation glasses may be used by different personnel throughout the day.

Manual cleaning routines can vary from person to person. OLEY MRT moves protective equipment hygiene into a controlled, enclosed and repeatable UVC cycle.



1

Cross-contact risk

Shared surfaces can become part of the transfer chain between users.

2

Chemical burden

Frequent liquid wiping may increase operational load on equipment surfaces.

3

Variable routines

Cleaning time and method may differ across users and departments.

4

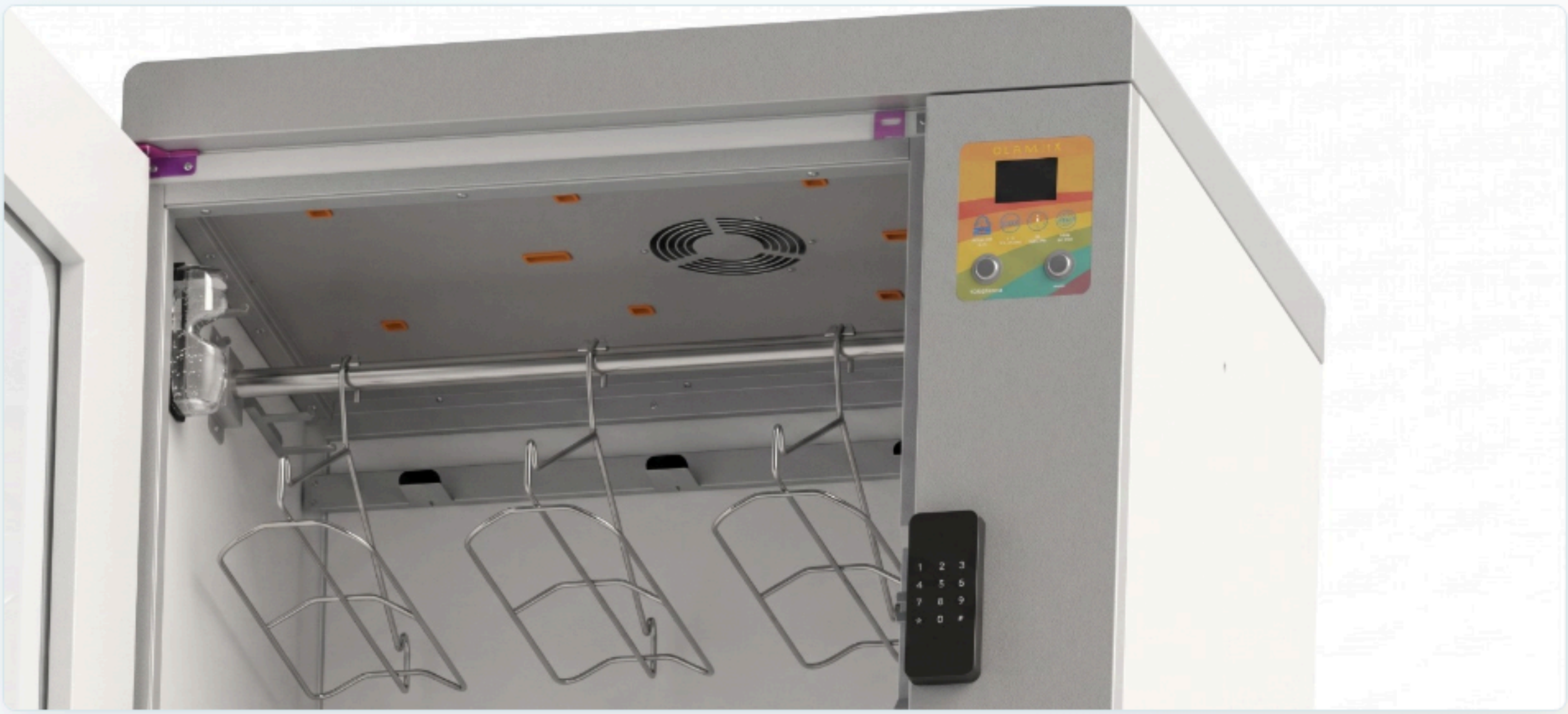
Traceability need

Teams need visibility into when equipment passed through a hygiene cycle.

CONTROLLED CYCLE

Hanging UVC disinfection in a 15-minute workflow

OLEY MRT combines equipment placement, secure locking, UVC irradiation, air circulation and ready-to-use release in one controlled cycle.



1 **Place equipment**
Protective equipment is positioned on the hanging system without surface-to-surface contact.

2 **Lock the cabinet**
The door is safely locked and the enclosed process starts.

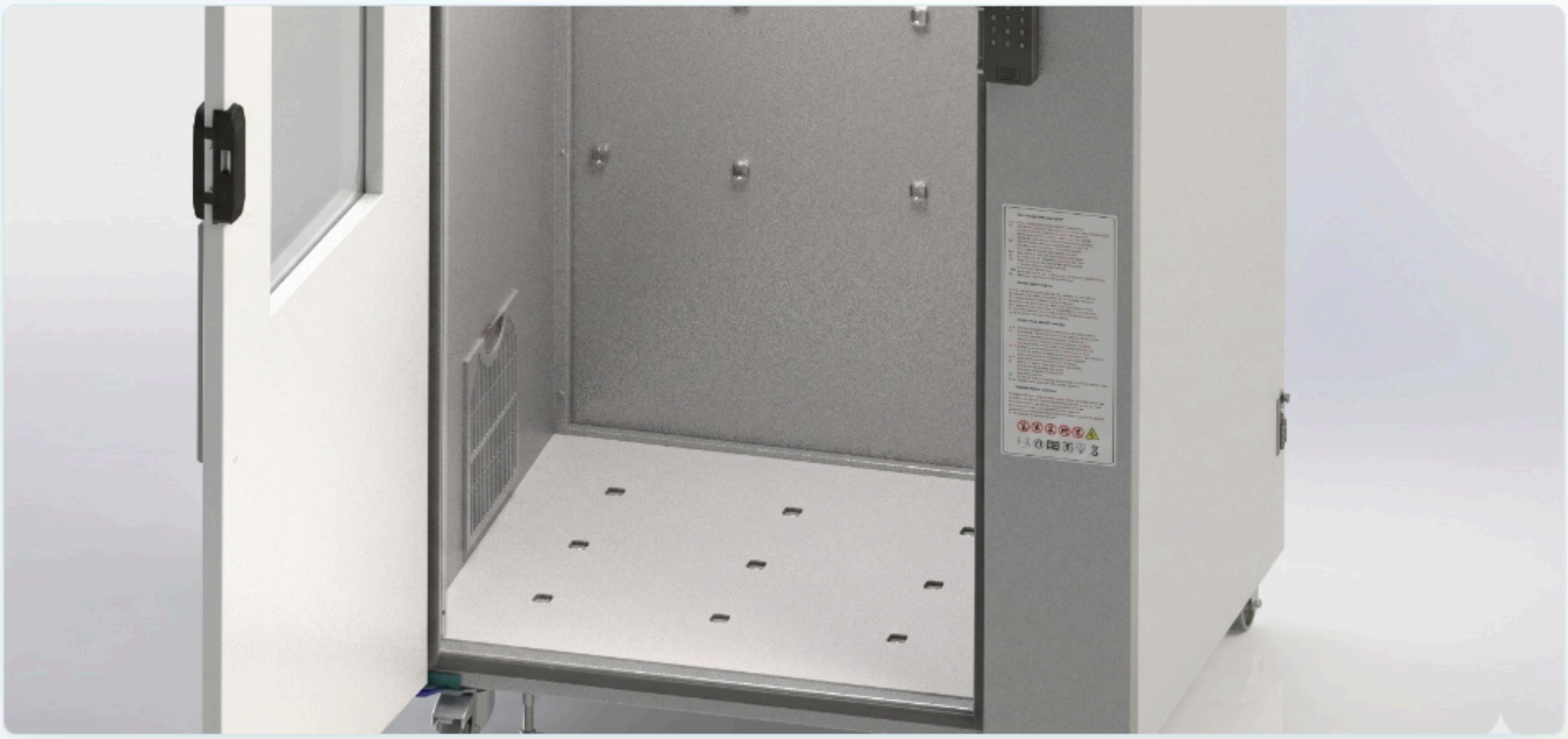
3 **Run UVC cycle**
UVC LEDs and fan-supported internal air circulation operate during the cycle.

4 **Release ready equipment**
The cycle is completed and equipment is prepared for reuse.

UVC TECHNOLOGY

275 nm UVC LED with 360° homogeneous coverage

The internal LED architecture, reflective surfaces and hanging placement are designed to create a controlled, contactless UVC effect on protective equipment surfaces.



1 **275 nm UVC LED technology**
A UVC wavelength selected to support microorganism inactivation.

2 **360° homogeneous distribution**
Designed for multi-directional UVC reach inside the cabinet.

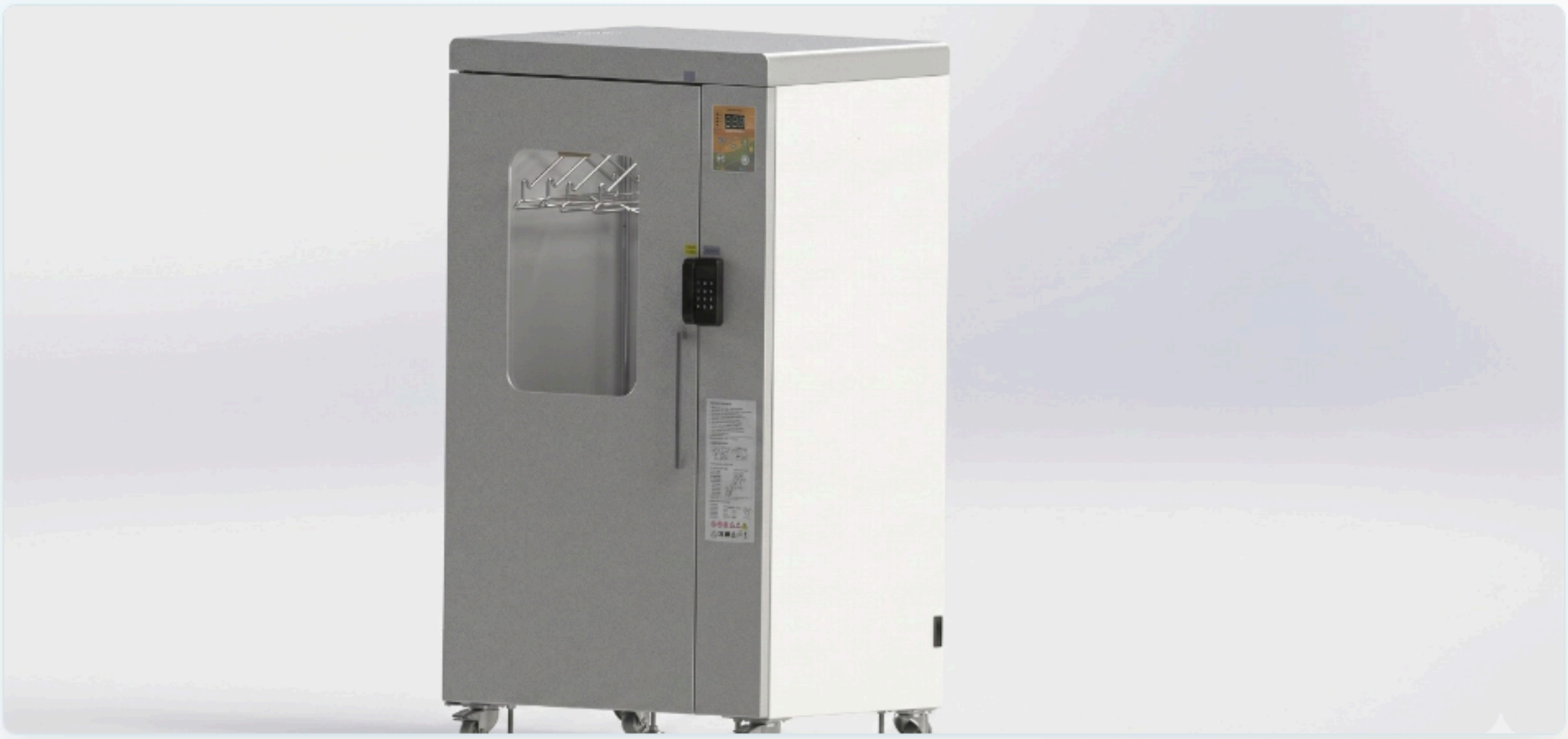
3 **Hanging, contactless process**
Aprons are positioned inside the cabinet without surface-to-surface contact.

4 **No liquid chemical residue**
The UVC cycle helps reduce reliance on liquid chemical applications.

USER SAFETY

Enclosed cabinet architecture with a controlled safety chain

Door safety, magnetic switch and automatic UVC cut-off architecture help protect users from UV exposure while the cycle is active.



STATUS

Cycle running

UVC lights are active and the disinfection process continues.

RISK

Door may open

Unintended opening triggers the safety chain.

RESPONSE

Switch engages

The magnetic safety system responds within milliseconds.

RESULT

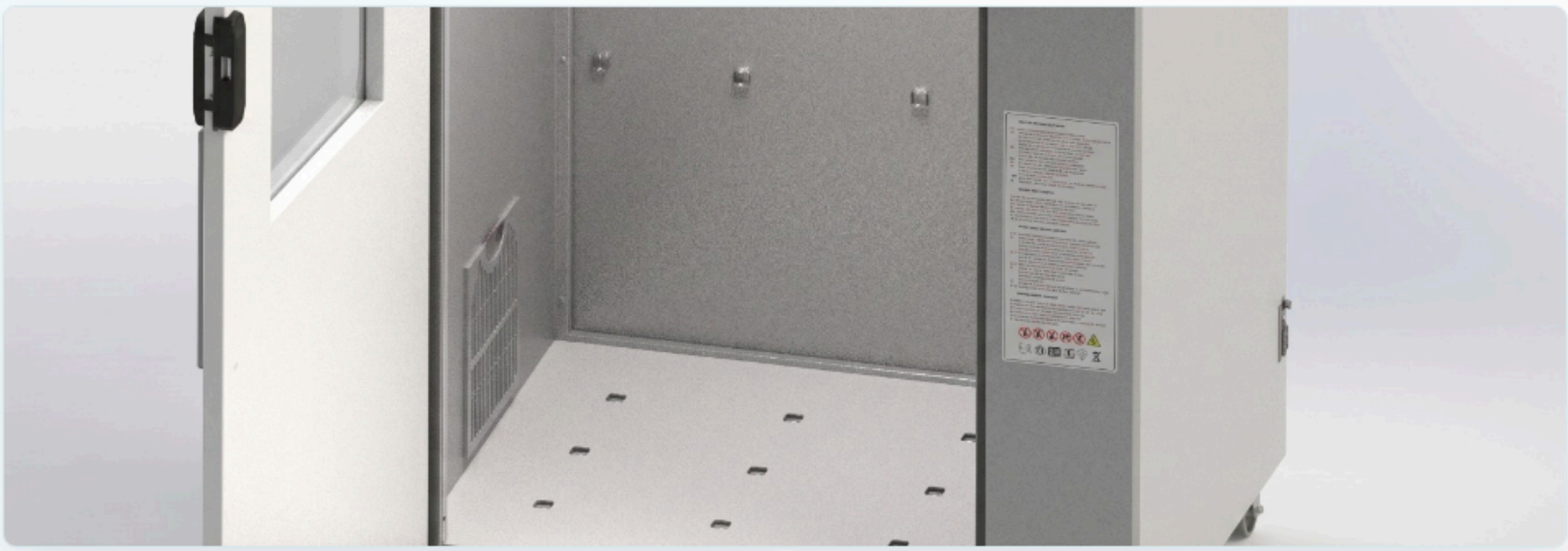
UVC current is cut

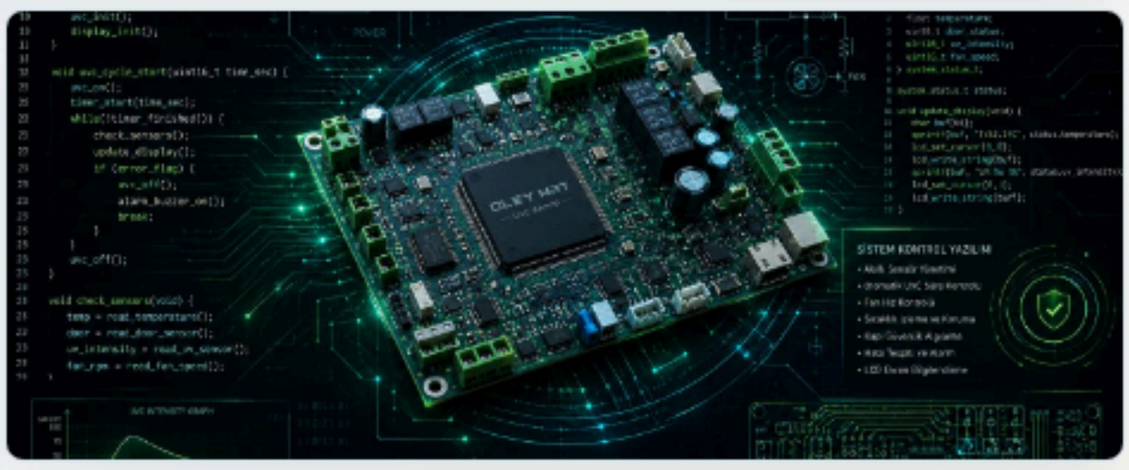
Controlled shutdown helps protect eye and skin health.

ENGINEERING

Filtration, air circulation and stable UVC performance

OLEY MRT is designed for long-lasting, stable operation with fan-supported internal airflow, HEPA + activated carbon filtration, thermal management and constant-current drivers.





1

HEPA filter

Supports particle control during internal air circulation.

2

Activated carbon

Helps capture potential post-process odors.

3

Thermal management

Supports LED lifetime and optical performance stability.

4

Constant current

Provides stable LED driving against voltage fluctuations.

5

Mobile body

Wheels and stabilizing feet simplify positioning.

6

Ozone-free approach

Advanced UVC LED technology supports ozone-free operation.

APPLICATION AREAS

Designed for radiology, fluoroscopy, angiography and operating room workflows

Developed for lead aprons, thyroid shields, gonad shields, radiation glasses and suitable radiation protective accessories.

1

Radiology

Standard UVC hygiene routine for high daily use.

2

Angiography and fluoroscopy

Fast preparation after long procedures.

3

Operating rooms

Support for C-arm and interventional workflows.

4

Dental radiology

Compact hygiene solution for limited spaces.

5

Accessories

Hygiene support for thyroid, gonad and radiation glasses.

6

Industrial radiation

Protective equipment preparation after shifts and field use.

INSTITUTIONAL VALUE

More standardized hygiene, faster reuse and easier process control

OLEY MRT turns protective equipment hygiene into a controlled, repeatable and traceable process inside the institution.

- **Helps reduce liquid chemical residue and chemical workload.**
- **Prepares equipment for reuse with a fast cycle in busy radiology workflows.**
- **Supports user safety through enclosed cabinet and automatic safety architecture.**
- **Moves hygiene from personal habit to a standardized institutional protocol.**

OLEY MRT

Request a product presentation for radiation protective equipment hygiene.

We can prepare cabinet positioning, technical specification and quotation work according to your radiology, fluoroscopy, angiography or industrial radiation workflow.