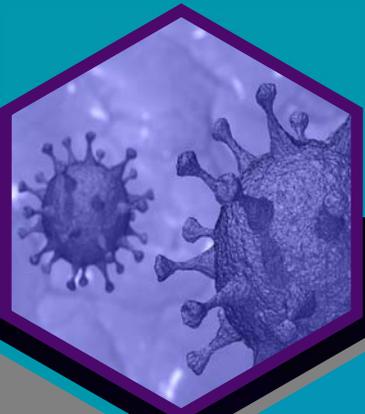




IDS^{Smart}™ BookShower

Sterilize & Disinfect your Documents, Mail, Notebook, Files & Books with UVC Light from Viruses, Germs and numerous pathogens



Microorganisms



Mold



Fungi



Bacteria



Distributed in Canada by:
ABTec Solutions Ltd.

📍 182 St. NW Edmonton, AB T5T 2G8 - Canada

☎ 780-245-0575 🌐 www.AB-Tec.ca ✉ sales@AB-Tec.ca

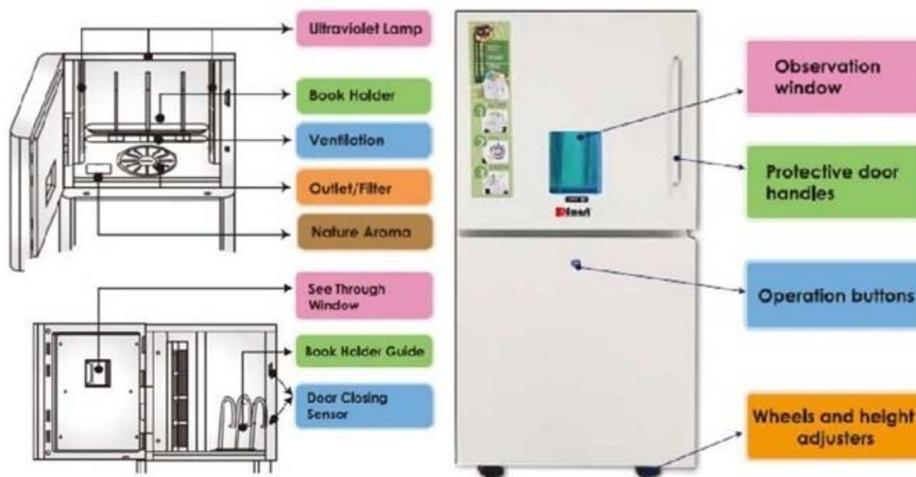
IDSTMmart BookShower

High Energy Ultraviolet "UVC" Germicidal Sterilizing Machine Certified by SGS and acquired 99.9% disinfection rate

MiTAC IDSTMmart Sterilizer

Today with health becoming the main drive for awareness of and access to new technology by people seeking to improve their health and wellness. If you have ever worried about the level of contamination that has occurred with borrowed objects, then the MiTAC IDSTMmart Sterilizer is likely to leave you a little bit relieved. The MiTAC IDSTMmart Sterilizer is designed to eliminate fungi, bacteria and virus that threaten the health through UV germicidal irradiation. It is aimed to create a comfortable and safe reading experience by disinfecting the inside and outside of bonded materials, Notebooks, Tablets and much more within 60 seconds (was 30 seconds, adjusted to 60 seconds for disinfection of COVID-19).

MiTAC IDSTMmart Sterilizer works by "bathing" objects in sterilizing UVC rays for a 30 to 60 second stint, which will leave the binding free of pathogens, to solve the problem facing several borrowing-based establishments.



MiTAC IDSTMmart Sterilizer uses 3x 36W UV lamps with 110 μ Ws/cm² that omits a UV Ray with 253.7nm of wavelength which displays the highest sterilizing capacity among UV-C rays, totaling 19.8 mJ/cm².

MiTAC IDSTMmart Sterilizer has a strong airflow that is able to blow the documents open widely, allowing UV-C ray to reach every pages.

MiTAC IDSTMmart Sterilizer has been certified by FCC, CE, SGS and ISO, ensuring it complies with global electricity and safety standards and has acquired 99.9% disinfection test reports.

Materials can be kept clean without any scratches to ensure a safe, innovative, comfortable and an optional aromatic reading experience for users.



IDS^{smart}™ BookShower

MiTAC IDS^{smart} Sterilizer has a strong airflow that is able to blow the documents open widely, allowing UV-C ray to reach every page

MiTAC IDS^{smart} Sterilizer - FEATURES



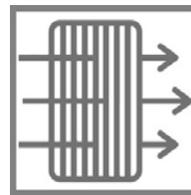
60 Seconds

It takes 60 sec before or after reading, and the sterilized records can be used immediately.



UV Lamp

It disinfects various with 253.7nm of wavelength which displays the highest sterilizing capacity among UV-C rays.



Electrostatic Air Filter

It displays excellent collection capability for finer dusts and it minimized the generation of electromagnetic waves.



Non-Toxic

No chemicals or other harmful substances are used making it safe to the human body and does not damage documents.



Natural Aroma

Optionally It able to enhance the sterilization effect and adds pleasure to reading with a delicate scent.



Air Blower

Remove dust from bonded documents by the wind of air blower, maintaining opening of documents to ensure that UV light can reach to inner pages.



Why MiTAC IDS^{smart} Sterilizer

The ongoing COVID-19 pandemic has changed the way people live and work as no one would ever imagine. Millions around the globe caught the disease with no clear end in sight. Expanding diagnostic and protection tools capacity has been a critical factor in the battle to control the spread of the virus.

For many years, germicidal UltraViolet "UV" (also known as UV-C) helped stop the spread of numerous pathogens. Disinfecting frequently used surfaces is extremely important, and UV light is very effective at inactivating pathogens like viruses and bacteria.

IDS^{Smart}™ BookShower

**High Energy Ultraviolet "UVC" Germicidal Sterilizing Machine
Certified by SGS and acquired 99.9% disinfection rate**

MiTAC IDS^{Smart} Sterilizer - APPLICATIONS

Various infectious bacteria, virus, dust or fungus exist on used records, documents and incoming mail and it could last up to 24 hours depending on the type of surface. That means that if someone touches the surface contaminated with the virus, they could transmit the infection to themselves by touching their mouth, nose, or eyes or potentially to someone else by shaking their hands or hugging, for example. That's why it's important to disinfect surfaces to get rid of the virus.



Mail



Court Cases



Government Permits



Auditing Documents



Medical Files



Corporate Files



Notebooks



Books



Manuals



Digital Gadgets



Keyboard & Mouse



Newspapers



Magazines



School Notepads

IDS^{Smart} Sterilizer - FUNCTIONS

- Uses UVC sterilization technology that eradicate 99.99% of fungi, bacteria and virus, making it the most effective method available today.
- High performance static filter combined with the internal blower system removes all dust and bacteria inside and outside of the book or bonded documents.
- Just with one touch, sterilization completes in 30 to 60 seconds.

IDS^{Smart} Sterilizer - BENEFITS

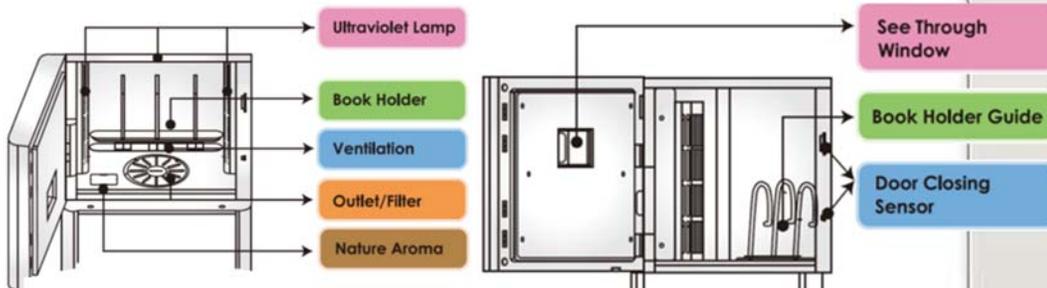
- Exceptional Reading Experience.
- Cleans the Inside and Outside of Books.
- Increases Cleaning Efficiency in Schools, Libraries, Hospitals, Governments & Corporates.
- Painless Deployment.
- Simple Operation.

IDSTMSmart BookShower

Since 1878, artificially produced UVC has become a staple method of sterilization –one used in hospitals, airplanes, offices, and factories every day.

MiTAC IDSTMSmart Sterilizer - TECHNICAL

- Dimension: 614mm (W) x 482mm (D) x 1250mm (H)
- Weight: 60kg
- Sterilization: 1 to 3 books at same time.
- Window: Observation window with Anti-UV Sticker
- Material: Cold Roll Steel Plate
- Color: White
- Operating: -10 ~ 40°
- Humidity: 10% ~ 90%, non-condensing
- Voltage: AC110V or 220V 50/60Hz
- Delivery: Includes following components: UV Lamp & Filter



MiTAC IDSTMSmart Sterilizer - CONSUMABLES

Ultraviolet Lamps

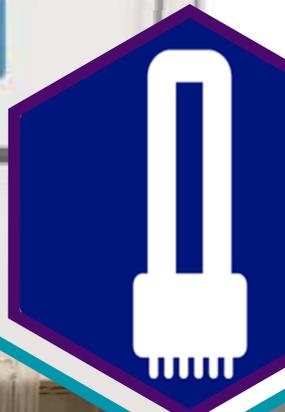
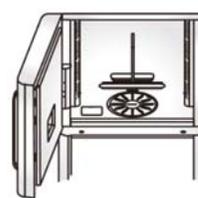
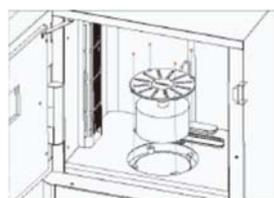
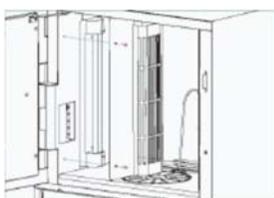
3 lamps, total expected life time of 50,000 times of use or 18 to 36 month of usage.

Air Filter

Expected life time 27,000 times of use or every 12 months (subject to usage).

Fragrance Oil

Wide range of Fruity, Floral, Exotic, Spicy and Musky Fragrances are available for your selection in different sizes so you can customize fragrances per book section.



What is UVC Light, and How Does It Kill Germs?

What is UV light?

Ultraviolet (UV) light is a component of the electromagnetic spectrum that falls in the region between visible light and X-Rays. This invisible radiation includes the wavelength range of 100 nm to 400 nm. UV light can be further subdivided and categorized into four separate regions:

- 100 nm to 200 nm: Far UV or vacuum UV (these wavelengths only propagate in a vacuum)
- 200 nm to 280 nm: UVC – useful for disinfection and sensing
- 280 nm to 315 nm: UVB – useful for curing, and medical applications
- 315 nm to 400 nm: UVA (or “near UV”) – useful for printing, curing, lithography, sensing & medical applications

Why use UVC light to Disinfect?

UVC wavelengths are between 200 and 280 nanometers, making them germicidal – meaning they are capable of inactivating microorganisms, such as bacteria, viruses and protozoa. This quality makes UVC energy an effective, environmentally-friendly and chemical-free way to prevent microorganisms from replicating in any environment, but especially in hospitals

How does UVC Destroy Germs?

The high energy from short wavelength UVC light is absorbed in the cellular RNA and DNA, damaging nucleic acids and preventing microorganisms from infecting and reproducing. This absorption of UVC energy forms new bonds between nucleotides, creating double bonds or “dimers.” Dimerization of molecules, particularly thymine, is

the most common type of damage incurred by UVC light in microorganisms. Formation of thymine dimers in the DNA of bacteria and viruses prevents replication and ability to infect.

The degree of inactivation by ultraviolet radiation is directly related to the UV does applied to the object.

The dosage, a product of UV light intensity and exposure time, is usually measured in microjoules per square centimeter, or equivalently as microwatt seconds per square centimeter ($\mu\text{W}\cdot\text{s}/\text{cm}^2$).

Dosage for a 90% kill of most bacteria and viruses from 2,000 to 8,000 $\mu\text{W}\cdot\text{s}/\text{cm}^2$.

