

# UNDERSTANDING UV-C RADIATION TECHNOLOGY

It is seen that UV-C is found in the 100-280 nm range. In the attached graph it can be seen that the germicidal action is maximum at 254 nm and reduces on either sides.

UV-C TS Linear Germicidal Lamps which are in use in **AVANTI UV 36** are very effective in breaking down the DNA Molecules of the Micro-Organisms when exposed. The light penetrates through their cell wall and disrupts the structure of their DNA Molecules, Prohibiting reproduction and the micro-organisms cannot replicate and cause disease.

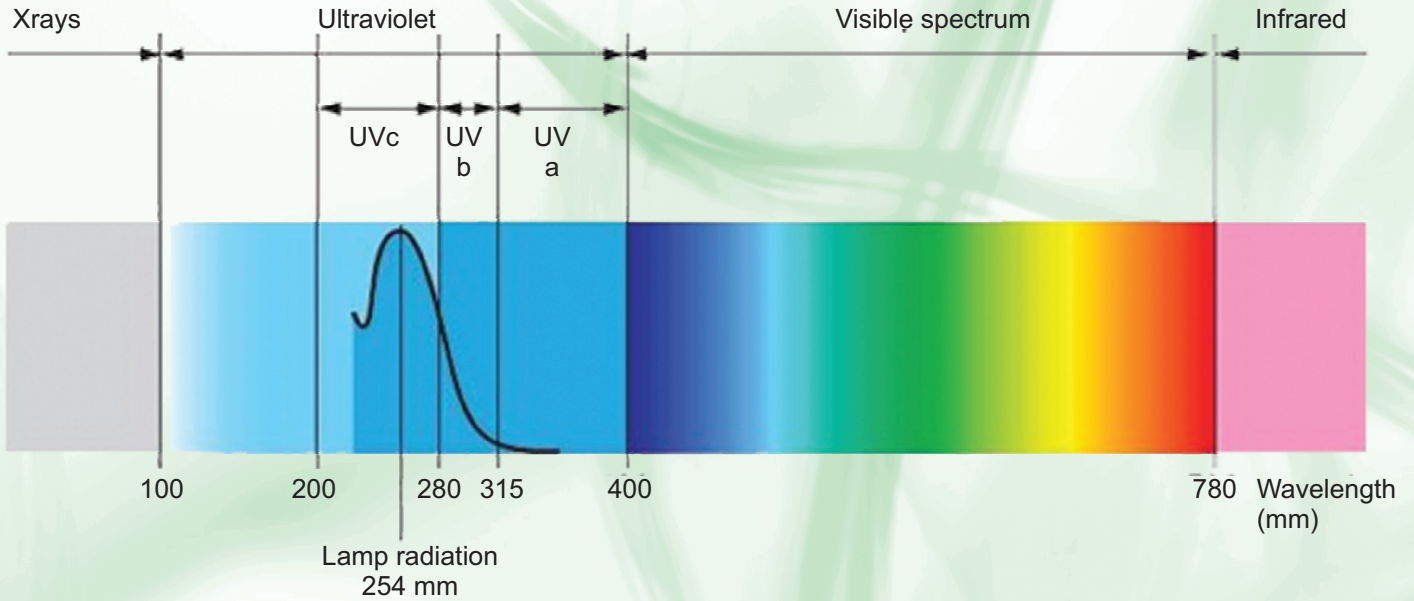


Fig: Spectrum of radiations

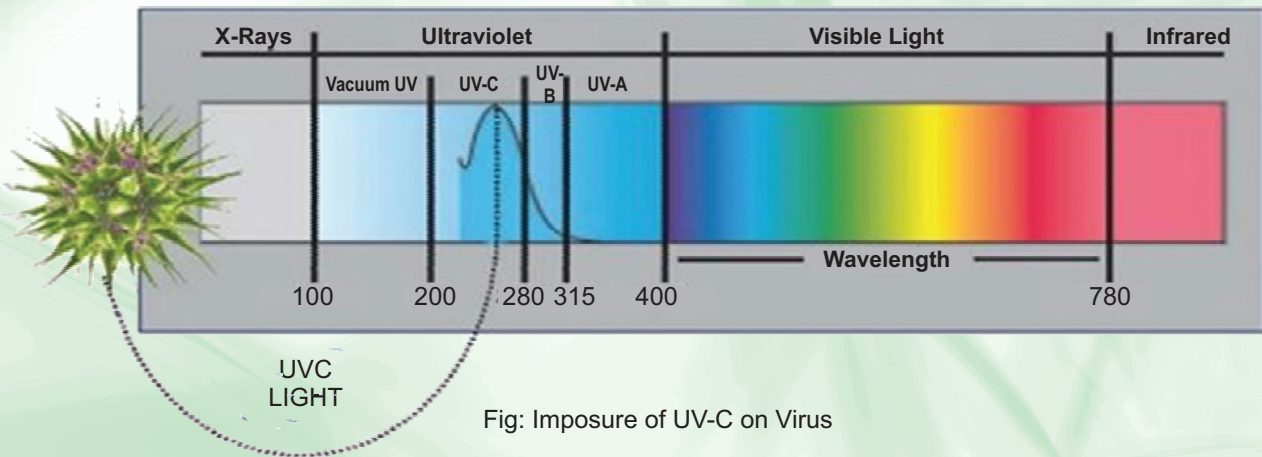
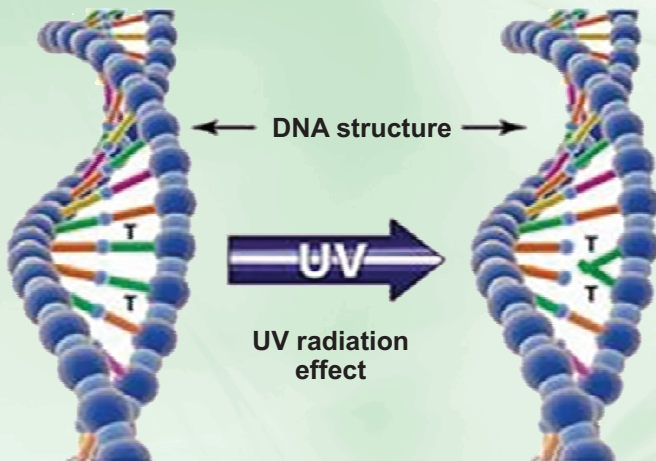


Fig: Imposure of UV-C on Virus



When exposing micro-organisms to UVC light, the light penetrates through their cell wall and disrupts the structure of their DNA molecules, prohibiting reproduction.

Fig: Effect of UV-C on DNA



# Application Areas

A must for every home, hospitals, dental clinics, saloons & Spa Centers, Retail Outlets, Eatary outlets, Schools, Colleges & University Labs, Front offices, ticketing counters, Security Screening points Pharma factories, Manufacturing plants, Medical Research Centers, Diagnostic Labs & Many more.



House



Dental Clinic



Diagnostic Labs



Eatary Outlets



Medical Research Centers



Hospitals



Manufacturing Plants



Retail Outlets



Saloons & Spa Centers



Schools



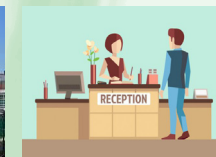
Security Screening Centres



Ticketing Counters



Medical Research Centers



Front Offices



University Labs

Sanitize almost everything like packaged food items, Vegetables, Milk packets, groceries, fruits bought outside into home, On line purchased delivery packages, Bought out clothes, News papers, letters by Post/Courier, Office files for circulation, Medical equipment used for patients for Re use, Currency notes, Jewellery, Toys, Keys, Pens, Cellphones, Laptops, Spectacles, Wallets, Purses, Masks, PPE Kits, Surgical Tools reusable medical equipment & Many more.



Online Purchased Packages



Currency Notes



Bought out fruits and vegetables



Jewellery



Purses / Wallet



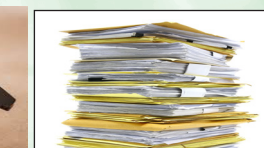
Dental Tools



Letters / Post / Couriers



Spectacles



Circulated Office Files



Mask, Gloves, PPE Kit



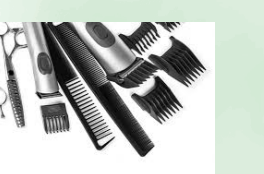
News Papers



Toys



Mobiles



Saloon Tools



Bought out cloths



# AVANTI UV 36 DISINFECTING SYSTEM

CERTIFIED BY  MINISTRY OF SCIENCE & TECHNOLOGY,  
GOVERNMENT OF INDIA FOR UV-C IRRADIANCE FOR 100% UV LEAK  
PROOF AND 99% + EFFICACY OF COVID 19 DISINFECTION

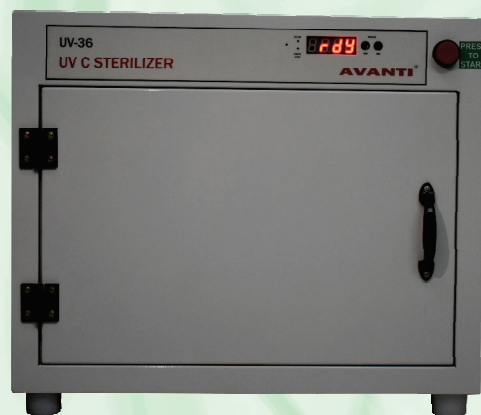


## Product Features

- ▶ 100% leak proof Cabinet body for complete Safety of the User from UV-C rays.
- ▶ 99% + Covid 19 Disinfection and other harmful bacteria, Fungi & Viruses using UV-C rays.
- ▶ **360°** Maximum UV-C exposure of the objects to be disinfected by 4 UV-C germicidal lamps.
- ▶ Large Capacity 35 liters to disinfect more number of items in one go and save time.
- ▶ Display based timer with push buttons to set process time by user.
- ▶ Inner Cabin lighting for better visibility of the object to be disinfected before and after the UV-C germicidal rays exposure.
- ▶ For User Safety door open indication with Alarm
- ▶ Front loading, Rugged Design & easy operation
- ▶ Auto Cut-off in case the door is opened accidentally preventing the user from any exposure of UV-C rays.
- ▶ Proper closing of door by magnetic door for 100% UV leak proof.
- ▶ Chemical free process with UV-C light based Sanitization process
- ▶ Detachable tray for placing the items to be sanitized
- ▶ Open packet and Ready-to-use product without installation
- ▶ 100% Made in India
- ▶ 1 Year on site warranty on Machine at Select locations (Mumbai, Pune, Kolkata, Hyderabad, Vizag, Vijayawada, Bangalore, Mysore, Chennai, Coimbatore, Ahmedabad, New Delhi, Lucknow, Bhopal, Srinagar, Jammu, Jaipur (UV-C lamps are not included)

## Product Specifications

Description	Model No: UV 36
Dimensions	512(L)x362(W)x410(H)
Wave Length UVC Radiation	254 nm
Power Input	230V+/-10%VAC, 50Hz
Rated Power	32W
Lamp Type	8W T5 Linear Germicidal Lamp
Number of Tubes	4 Nos
Base	Miniature Bipin T5
Timer	Can be modified by push button provided in front of the unit, Process time will be displayed on Display
Safety	Door open indication and alarm for every 5 sec till the door is closed
Inner Cabin Lighting	Inner cabin 4 W white light for better visibility of the object
Body	Mild Steel - Powder coated
Door Lock	Magnetic Connect lock
Cubic Capacity	35 Ltrs
Tray	MS frame Grill
Power switch	Start push Button
Indication	UV ON, Door open indication
Display	Ready, Process completed will be displayed on display
Power Socket	6A Indian Socket
Weight	11 kg





A COMPLETE SOLUTION FOR **SAFE AND AUTHENTIC WAY TO DISPOSE USED FACE MASKS AND PPE KITS IN HOSPITALS, DIAGNOSTIC LABS, PHARMA RESEARCH AND MANUFACTURING PLANTS, EDUCATIONAL INSTITUTIONS, BIO-TECH AND OTHER RESEARCH INSTITUTIONS**

IN THIS PANDEMIC CONDITIONS PROPER DISPOSAL OF **FACE MASKS AND PPE KITS** IS MANDATORY AS PER GUIDELINES & PROTOCOL OF POLLUTION CONTROL BOARD TO STOP REUSE & SPREAD OF PANDEMIC

**INTRODUCING A RANGE OF COMBO PRODUCTS FOR A SURE SOLUTION.**

**First Sanitize used masks, gloves and PPE kits and then shred to dispose them safely and prevent REUSE and stop the spread of Pandemic**



**AVANTI UV 36  
STERILIZER**



CSIR-CSIO

Certified for UV-C Irradiance for 100% UV leak proof & 99% + efficacy of Covid-19 Disinfection



**AVANTI SHRED..R MS 100ST**

Bio Medical Waste Shredder.  
Suitable for Shredding Mask, Gloves  
Application: **Factories,**

**Software Offices, Manufacturing Plants,  
Education Institutes, Hospitals and  
other Public Places ETC.**

The ideal way is to install **AVANTI UV 36**- India's only **(360°)** sanitizer and

**AVANTI SHRED..R MS 100ST** Mask shredder

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365 days a year log on to [info@avanti-ltd.com](mailto:info@avanti-ltd.com)

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After Sales Service



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