The Pursuit of Excellence

Automated **VHP Generator** for bio decontamination

- Runs on compressed air.
- Generates dry disinfection vapour of H2O2 based disinfectants.
- Gas like diffusion and uniform exposure.
- Enhances standard bio cleaning process

SATEJ 3D i™
PNEUMATIC

www.radiantinnovations.in

3 Nozzle vaporization output ensures 360° treatment

EASY TO HANDLE

Plug-and-play mobile unit.
Touch screen HMI for easy start-up and device set-up.

SECURED PROCESS

Digital registration of different variables that will ensure cycle has
been properly performed.
Digitally controlled dispensing & disinfection process cycle.
Reproducible results

SATEJ 3D i™
PNEUMATIC
+
Aeros 3D AIRBORNE DISINFECTANT

FEATURES

- Equipped with Digital Pressure Switch
- Ultra low consumption: 200ml/1000 ft^3 - 7ml/m^3
- Treatment volume of space up to 1000m^3/35000 ft^3
- Micro biologically validated process ensures Effective destruction of pathogens & multi resistant microorganisms.
- Complies with aseptic area & sterile area norms for airborne disinfection process as well as device.
- Absolutely safe for use in presence of OT/medical equipment.
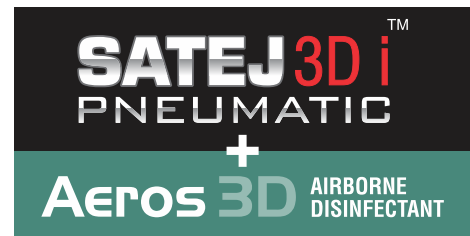
DATA TRACEABILITY

Process data traceable,retrievable with
USB drive. Can retrieve the following
information for each process:

- Treatment Date & Time
- User name, Room Name, Room volume
- Disinfectant Name, Total Consumption of
- Disinfectant in ml, Treatment duration
- Application dosage

**DIGITAL USER INTERFACE
FOR AUTOMATED PROCESS**

- Enter room size & set the volume of room under the treatment.
- Pour required solution advised by the machine.
- Delayed start to leave the premises & Auto OFF operations.

**CAN SAVE UPTO 20 DIFFERENT ROOM SIZES.**

MATERIALS & SPECIFICATIONS
- Requires 40CFM of compressed air @ 87 PSI (6 bar)
- All stainless steel unit
- Tank Capacity : 12 litres
- Easy to refill or replace disinfectant container.
- All key components in SS316 : Nozzle assembly
- liquid line parts, Solution tank
- Liquid and air line tubing: Medical grade.
- Power supply : 15amps, 230Vac, 50Hz/60Hz
- Dimensions : 500mm L X 420mm W X 850mm H
- Empty weight : 30kg
- Continuous duty hr - 99 minutes
  *specifications are subject to change

APPLICATIONS
- Hospitals: Operation Theatres, ICUs
- Pharmaceutical Mfg. Plants : Sterile areas
- Laboratories : Microbiology, Tissue Culture
- Bio decontamination Treatment again Disease Epidemic
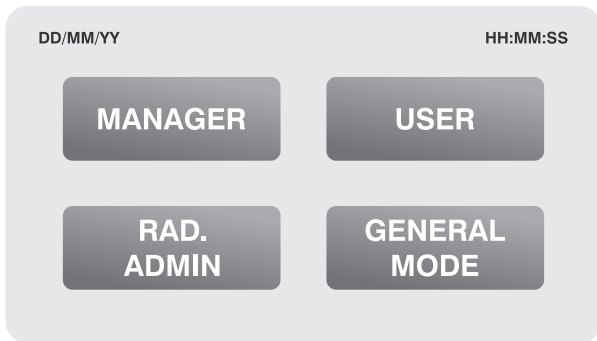- Medical Device Manufacturing
- Food Processing Plants

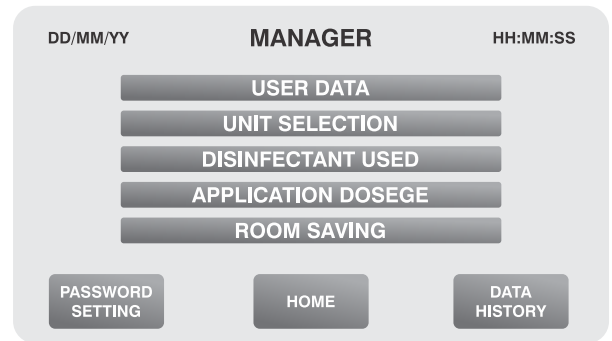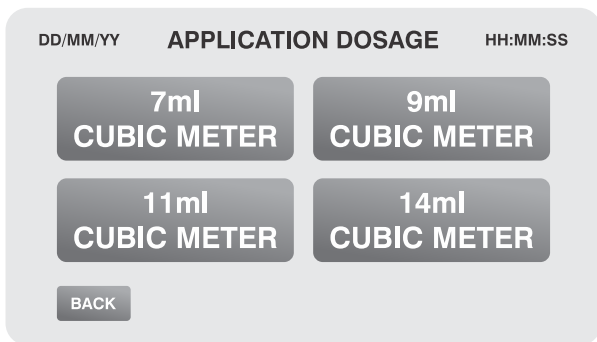## INSIGHT INTO USER FRIENDLY, EXTENSIVE PROGRAM
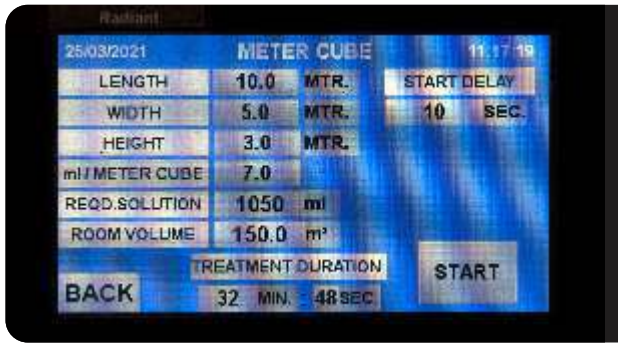
Program Touch Screen

USB drive for data traceability

DD/MM/YY		HH:MM:SS
MANAGER		**USER**
RAD. ADMIN		**GENERAL MODE**

Different user access rights with password protection

DD/MM/YY	**MANAGER**	HH:MM:SS

USER DATA
UNIT SELECTION
DISINFECTANT USED
APPLICATION DOSEGE
ROOM SAVING

PASSWORD SETTING   HOME   DATA HISTORY

Manager at customer end can set various cycle Parameters and save it.

APPLICATION DOSAGE

DD/MM/YY   HH:MM:SS

7ml CUBIC METER	9ml CUBIC METER
11ml CUBIC METER	14ml CUBIC METER

BACK

Optional application dosages settable In addition to standard dosage

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ROOM SAVING

DD/MM/YY   HH:MM:SS

ROOM NO :	8	
ROOM NAME :	PRODUCTION 2	
LENGTH :	6.0	MTR.
WIDTH :	5.0	MTR.
HEIGHT :	3.5	MTR.
ROOM VOLUME :	105	m³
TREATMENT DURATION :	12 MIN. 33 SEC.	

BACK   NEXT
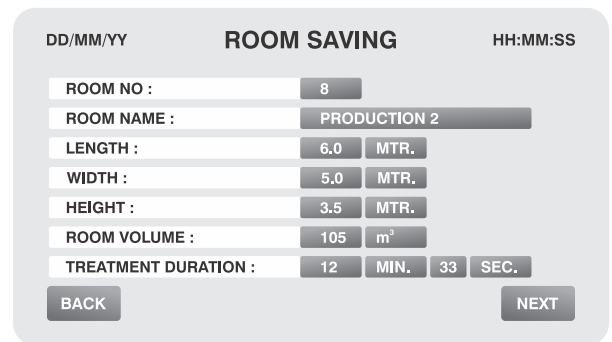
Machine can save up to 20 different room sizes.

ROOM SELECTION

DD/MM/YY   HH:MM:SS

ROOM NO :	5	
ROOM NAME :	FILLING AREA	
LENGTH :	8.0	MTR.
WIDTH :	8.0	MTR.
HEIGHT :	3.0	MTR.
ROOM VOLUME :	192	m³
DISINFECTANT USED :	672	ml.
DM WATER :	672	ml.

BACK   NEXT
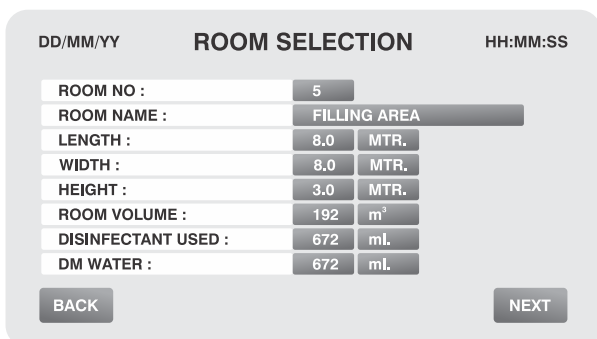
User can identify pre saved room with Room no and name.

USER DATA

DD/MM/YY   HH:MM:SS

	NAME	PASSWORD
01	CHIRAG	1234
02	PARTH	5678
03	RAJESH	8282
04	RAMESH	9595
05	ARUN	2552

EXIT   NEXT
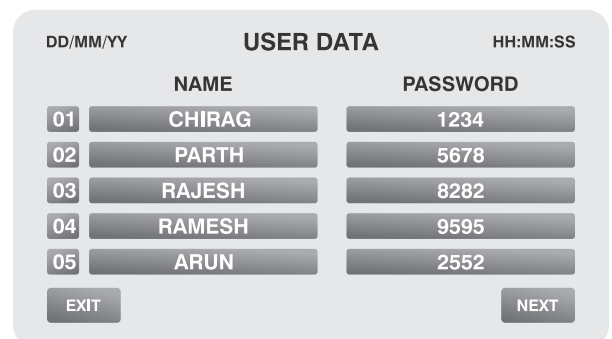
Offers up to 10 different users password Protected access.

ENTER PASSWORD

MANAGER

1234

BACK   LOGIN

Manager's access rights password protected

METER CUBE HH:MM:SS

LENGTH :	6.0	MTR.	START DELAY
WIDTH :	5.0	MTR.	30	SEC.
HEIGHT :	3.5	MTR.	
ml. METER CUBE	7.0		
REQD. SOLUTION	735	ml.	
ROOM VOLUME	105	ml.	

TREATMENT DURATION
BACK   12 MIN. 33 SEC.   START

Enter room size or choose pre saved room for
Treatment & machine offers auto calculated process
Parameters such as volume of required dilution,
Treatment duration to proceed with the cycle.

DD/MM/YY **TREATMENT PROCESS** HH:MM:SS

ROOM NO :	8	
ROOM NAME :	PRODUCTION 2	
LENGTH :	6.0	MTR.	START DELAY
WIDTH :	5.0	MTR.	29 SEC.
HEIGHT :	3.5	MTR.	
ROOM VOLUME :	105	m³	
REQD. SOLUTION :	735	ml.	
TREATMENT DURATION :	12	33	
	MIN.	SEC.	

BACK   START

Display screen when treatment is in progress.

DD/MM/YY **DATA HISTORY** HH:MM:SS

01	TIME	DATE	SR. NO.	USER NAME	ROOM NO.
01	HH:MM.SS	DD/MM/YY	######	######	######
02	HH:MM.SS	DD/MM/YY	######	######	######
03	HH:MM.SS	DD/MM/YY	######	######	######
04	HH:MM.SS	DD/MM/YY	######	######	######

BACK   SAVE IN USB   REMOVE USB   CLEAR DATA

Saved process data tracing and retrieving
Through USB drive.

The format of retrieved process data with detailed information on cycle parameters.

ID	TIME	DATE	TREAT-MENT MODE	USER NAME	ROOM NO	ROOM NAME	ROOM VOLUME M³	DISINFECTANT NAME	DISINFECTANT USED IN ML.	DM WATER USED IN ML.	TOTAL SOLUTION USED IN ML.	TREATMENT DURATION IN MIN.	TREAT-MENT DURATION IN SEC.	APPLICATION DOSAGE	REMARKS	USER'S SIGN.	MANAGER'S SIGN.
1	15:12:46	18/08/2021	PSR	CHIRAG	8	PRODUCTION 2	105	H2O2 SOLN	368	367	735	12	33	7			
2	11:44:45	19/08/2021	PSR	PARTH	6	PRODUCTION 1	105	H2O2 SOLN	368	367	735	12	33	7			

*Above report is for reference, actual report and format may differ.

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