



An ISO 13485 : 2016 Company

# AUTOMATIC THERMAL SCANNING BOOTH (WITH FACE RECOGNIZER)

Can control public gathering and entry of people more safely and most efficiently in this virus pandemic situation without a dedicated operator.

Can Measure human body temperature through Face Thermal Scanning and entry door will open automatically only for people having normal temperature

Built-in non touch automatic hand sanitizer dispenser is enabled in this thermal scanning booth for ensuring healthy hand sanitation of incoming people.

Special atomization booth is available with this system for ensuring external human body disinfection.

Equipped with Automatic Medical oxygen spraying system for comfortable breathing when people are inside the atomization booth.



## Measurement of Body Temperature

It has accurate and efficient temperature measurement utilizing German HEIMANN thermal imaging sensor



## Facial Recognition

It can record and form statistical data about personnel entering and going out



## Attendance Management

It can form statistical data about personnel's attendance



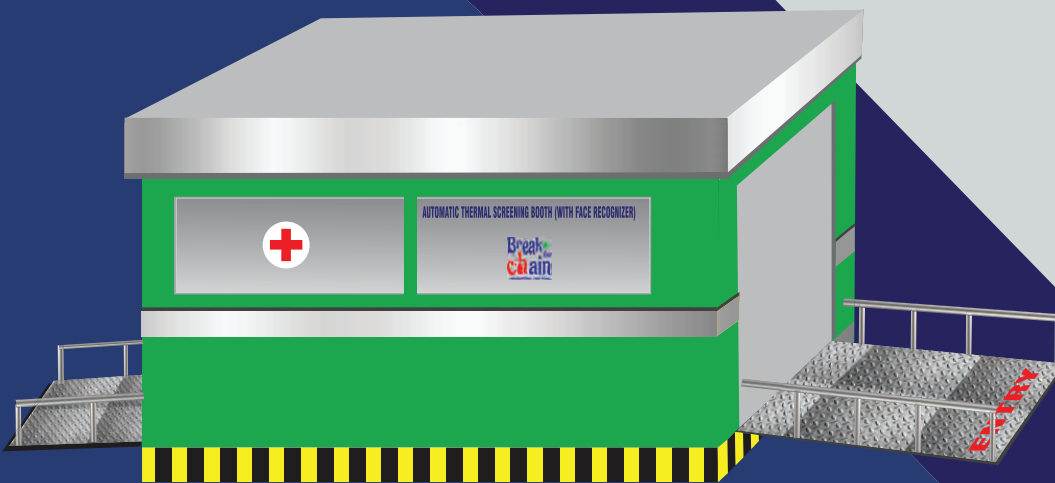
## Atomization Disinfection

It adopts ayurvedic/organic solution such as citrus bioshield for disinfection



## Alarm upon Abnormality

Give an audible and visual alarm when abnormal body temperature is found



System Design  
Approved by PESO  
MINISTRY OF COMMERCE  
& INDUSTRY  
GOVT. OF INDIA



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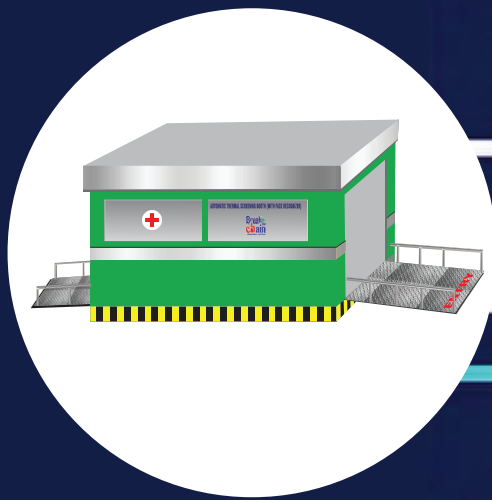
# AUTOMATIC THERMAL SCANNING BOOTH (WITH FACE RECOGNIZER)



ITEM	DETAILS
External Dimensions (L×W×H)	20ft 3500 x 1500 x 2180 mm (Other Size Customized Available)
Process Base	Frame : cold formed and completely welded
Material	GI Pipe, ACP, PVC panelling, Rubberised flooring
Structure	1 House Body + 2 Door + 2 Window
Roof	0.426mm steel sheet + PVC sealing
Wall	ACP Covering. Inside PVC sandwich panelling
Windows	Aluminum Sliding Window / Fixed
Doors	Aluminium Sliding door, 660 X 1890mm
Electrical / Electronic System	Specially designed and programmed micro controlled unit

The most modern automatic thermal scanning booth with face recognizer is a most useful equipment for crowd management which does not require the services of dedicated operator. This booth is designed as two compartments. At the entry point message is displayed either to enter the booth or wait for entry. On entering the booth, first we have to sanitize our hands using the automatic hand sanitizer fixed in the first compartment. On moving ahead, we come across the thermal screening machine equipped with face recognizer installed in this compartment. Here, the person's body temperature is recorded and displayed on the screen and face is detected and recorded. In case the person has not worn a mask, a voice message is given reminding the person that he has not worn a mask. On recording normal body temperature, the automatic sliding door opens and the person can enter the second compartment. On identifying persons having abnormal temperature, alarm signals are produced and entry to the 2nd compartment is denied and the person has to exit back from the first compartment itself. In the second compartment, the system automatically senses the presence of person inside and disinfection atomization is carried out & the fogging process starts automatically. This disinfection process shall take around 10 seconds time to complete. On completion of the disinfection process, another automatic sliding door opens and the person can exit from the second compartment. When the person exits the 2nd compartment, the compartment is disinfected automatically using UV lights and it is made ready for the next person. When the person exists in the compartment, the UV lights do not turn on. Our special control unit ensures that UV lights do not turn on when person is available in the compartment.

- A person's attendance can be monitored & recorded which is very useful for schools, offices etc (Optional).
- Considering the present situation, crowd management can be carried out intelligently.
- It supports to ensure that the person passing through the booth has not been affected with the disease and also ensure that the disease does not enter our area.
- It satisfactorily reduces the situation of spreading the virus from one person to another.
- All the operations are non-touch activities.
- Hence, the situation of one person handling after the handling of previous person is avoided.
- Dedicated man power is not required since it is 100% micro controlled self-operating system.
- The data of scanning done in the booth, can be monitored from another place if required (Optional).



### 1 Convenient and Quick

It is entirely prefabricated in the factory and can be moved flexibly in accordance with needs

### 2 Highly-efficient Disinfection

It adopts dual disinfection process including ultrasonic atomization disinfection and hand sanitization. The disinfection rate of which can be up to 99.99% in accordance with the on-site disinfection test result of SGS.

### 3 Safe & Reliable

Disinfectant recommended for atomization is not harmful to human body & only approved disinfectants are used. We recommend Ayurvedic / organic solution such as citrobioshield for disinfection which are safe for human and the activity is non-touch as well.

### 4 Intelligent Linkage

More than one unit can be linked together and monitored at one place and all the data's can be collected.

### Recognitions:

1. The product is ISO certified.
2. Complete design approved by Petroleum & Explosives Safety Organisation, Govt. of India.



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### Alarm upon Abnormality

Give an audible and visual alarm when abnormal body temperature is found

Since the working principle of the system operates intelligently, it is convenient to measure & disinfect children, the elderly, disabled persons etc. The checking time for a person shall be 20 seconds to complete the whole process.

Body Temperature Sensing Mode : German HEIMANN thermal imaging IR

Body Temperature Collection Distance : 30 to 50 cm

Body Temperature Collection Accuracy :  $\pm 0.2^{\circ}\text{C}$

Body Temperature Display Panel : LED screen

Body Temperature Detection Output : the equipment will give an alarm automatically upon abnormal temperature.

### **Power : 1000W**

Power Supply : 220V/50Hz ( If this product is used in other countries outside India, users can match it to corresponding electrical components in the light of local mains voltage.)

Mist-exit Volume : 2L/h (consistent mist-exit)

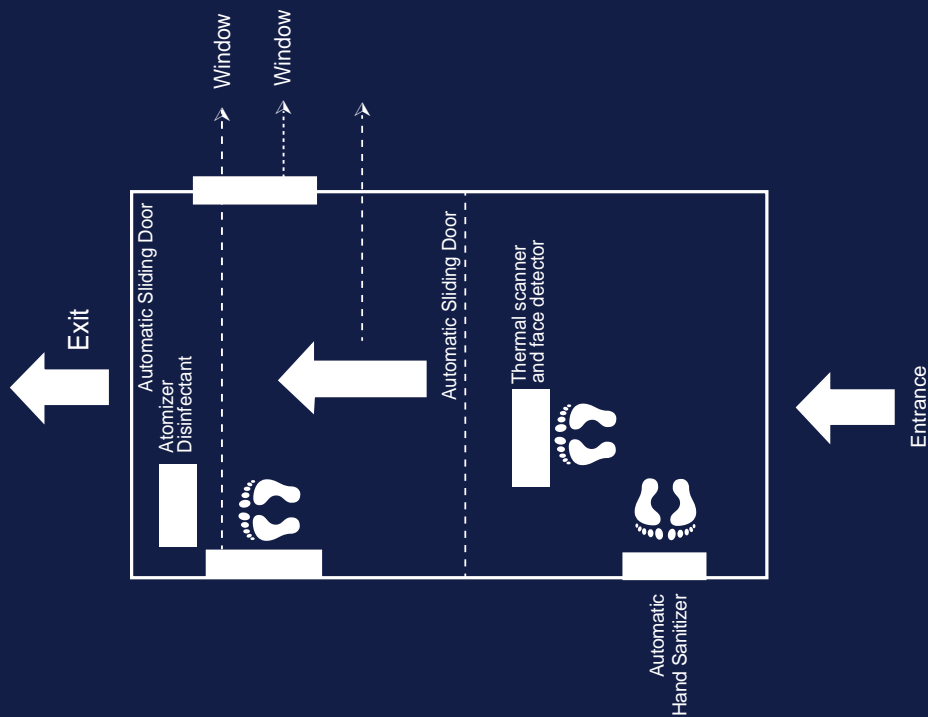
Ultrasonic Atomization: superfine dry mist whose particle diameter is between 3nm and 5 nm

Weight of integral machine : 250kg

Disinfection Rate : Upto 99.99%

### **Attention**

- Only one person is allowed to enter the channel each time, and the person should pass through the channel slowly by following the guidance given by the system automatically.
- Disinfection is carried out when the person is waiting in the 2nd compartment. 10 secs per person.
- Whether the temperature of the person passing through the channel is normal or not can be judged in accordance with the indicator display, and people with a normal temperature can pass through the channel successfully. and entry shall be denied to persons with abnormal temperature and the automatic door to proceed to the 2nd compartment shall not open for them, and they have to exit from the 1st compartment itself.



## 1. Facial Recognition System

It can distinguish visitors from internal personnel and record them, and it supports LAN storage and cloud storage



## 3. Atomization discharge

It is designed in such a manner that the disinfection discharge reaches the complete parts of the body. It does not concentrate on a particular area of the body.

## 2. Automatic Induction Spraying Function

The equipment is equipped with a microwave sensor which can sense moving objects. When entry of people is detected, atomizing disinfectant machine are activated



## 4. Measure Temperature of Human Body by utilizing Infrared Thermal Imaging Technique give an Audible and Visual Alarm

It adopts high accuracy thermal imaging temperature sensor, thus being able to realize non-contact measurement of body temperature quickly and reliably, effectively avoid cross infection, collect body temperature in real time and extract peak value to compare with outputting signal light and beep prompt. The data is collected in the background.



## 5. Food grade washing free Disinfectant

It adopts Ayurvedic / Organic solution such as citro-bioshield for disinfection purpose



## 6. Function of Giving an Alarm about the Status of the Equipment

The equipment can display different lights corresponding to different working statuses such as over-temperature and absent fluid, so that the equipment manager can accurately know the running status of the equipment in real time.

## 7. Lighting Function in the Channel

When designing the equipment, using scenes have been taken into consideration. The channel is equipped with LED lamps with lighting function, so it is convenient to use the equipment at night or in dark environment.

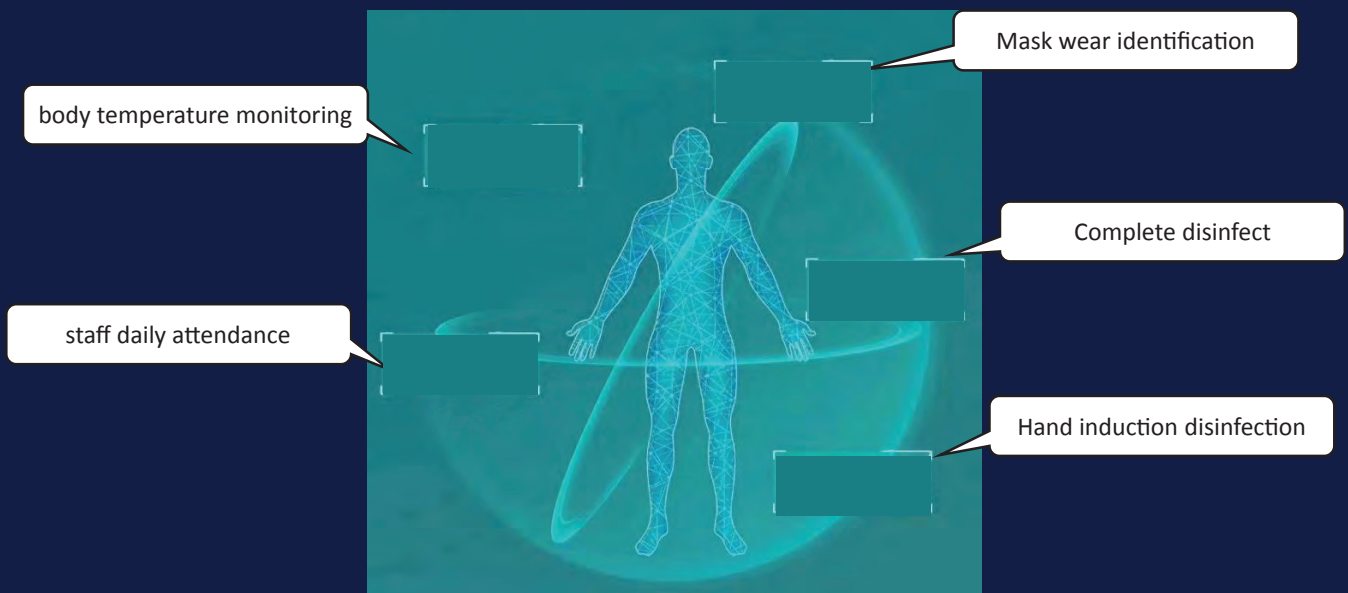
## 8. Function of Being Movable (Optional)

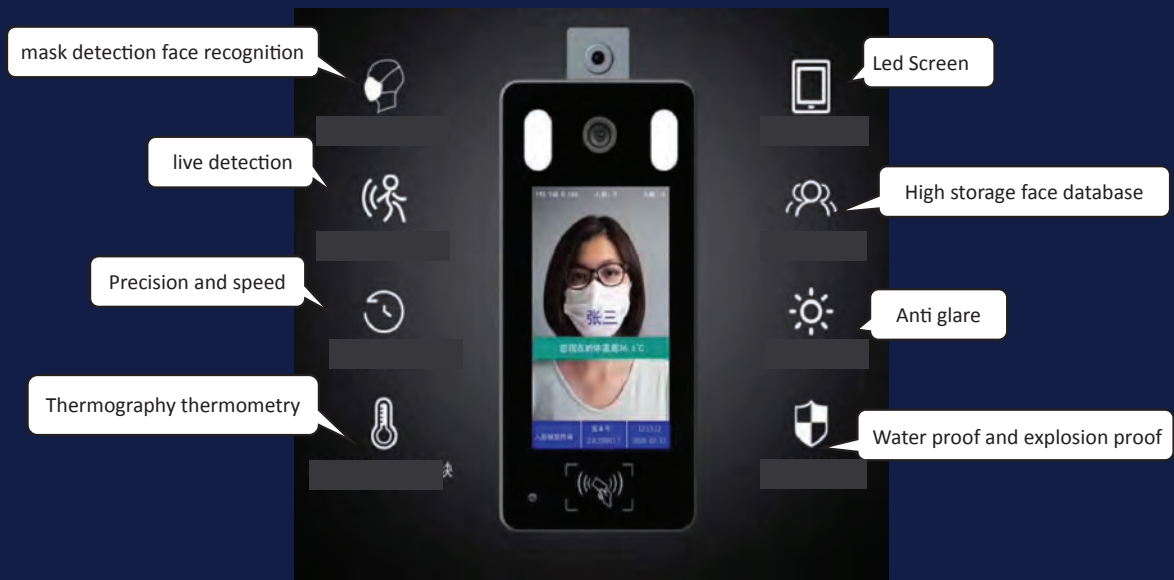
The equipment has two sets of universal brake casters and two sets of directional brake casters, and slopes on both ends are foldable. Due to the above mentioned advantages, the equipment can be moved conveniently and deployed quickly at the same time of reducing storage space. Tires are made from nylon tread, thus being able to adapt to various road condition.



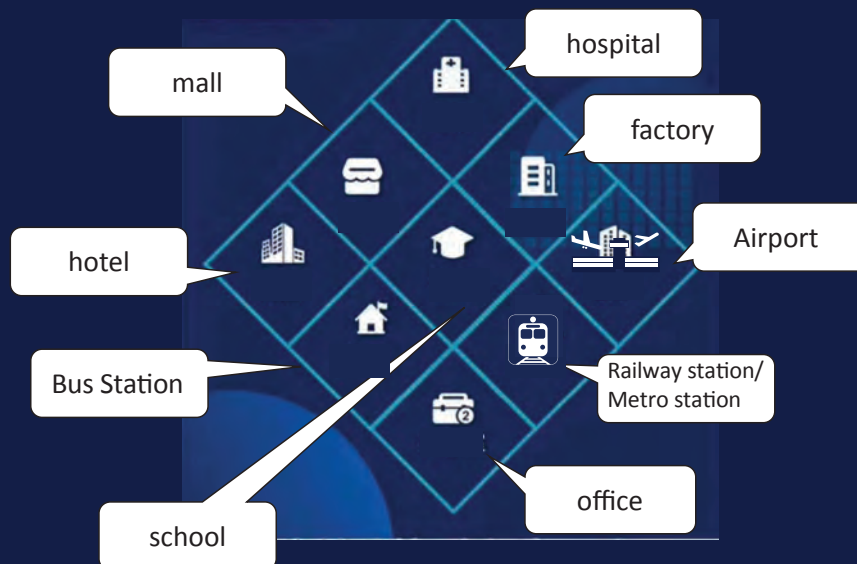
## 9. Characteristic of Quick Deployment

The equipment adopts an alternating current of 220V and its power consumption is less than 1000W (if this product is used in other countries outside India users can match it to corresponding electrical components in the light of local mains voltage). It is easy to install, deploy, operate, learn and use the equipment and the disinfection can be filled and emptied easily.





## APPLICATION OF SCENES



## Features & Facilities:

- The complete activities are non-touch operations
- The Booth is designed in such a manner that there shall be a minimum social distancing between each person.
- Hand sanitization is also non touch automatic process.
- Face mask reminder facility.
- Disinfection booth with disinfectant atomize facility.
- UV light sterilization for the compartment only. Not for the person.
- The complete system is on micro controlled programmed basis.
- Most modern technology & photo electric sensors are used.
- Voice assistance provided for each operation
- Face recognition with attendance facility can be provided as optional.
- The unit can be installed in outdoors. No worry of rain or sun.
- Face recognition process of persons can be monitored remotely.
- Reports such as who all have visited the Booth, how many persons have been denied permission for disinfection process due to abnormal temperature etc can be collected.
- Report of last 25,000 persons can be collected.



UV LIGHT DISINFECTION SYSTEM



super killing power

AUTOMATIC SLIDING DOOR SYSTEM



AUTOMATIC HAND SANITIZER DISPENSING SYSTEM



BODY DISINFECTOR ATOMIZING SYSTEM



AUTOMATIC FACE DETECTION, TEMPERATURE DETECTION AND ATTENDANCE



MEDICAL OXYGEN SPRAYING SYSTEM



MANUFACTURED BY

**HINDUSTAN MEDICARE EQUIPMENTS INTERNATIONAL**

LICENSED BY DRUGS CONTROL DEPARTMENT GOVERNMENT OF KERALA

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