



(Temperature self-adaption adjustment system)

## KaniStar UC-2005/2007/2008 TSaaS ICU

### TSaaS-ICU

ICU with Temperature self-adaption adjustment system

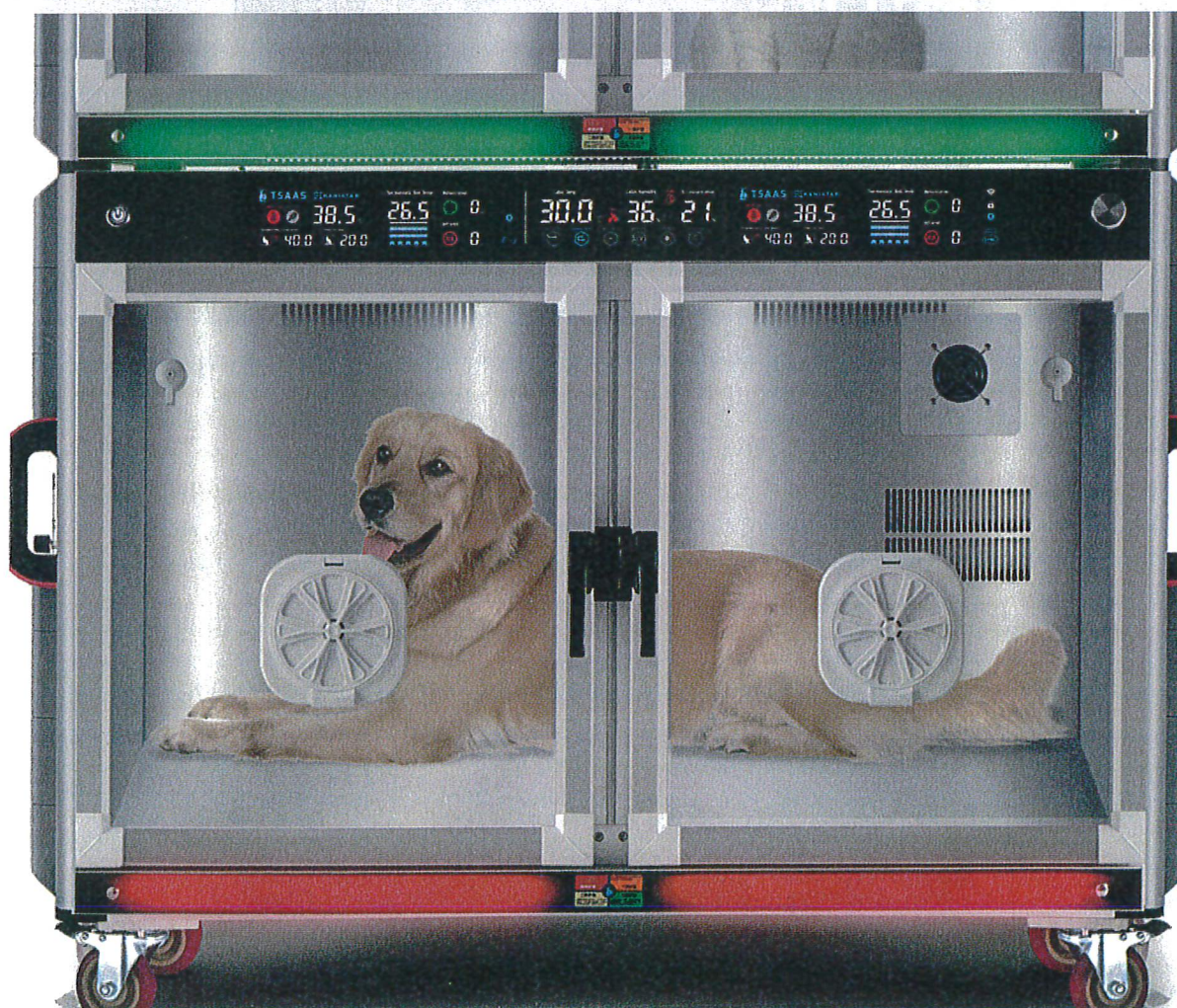
ICU- A tool used to improve quality of life for patients around the world. Kanistar is here to redefine the meaning of that care with our new interactive and innovative ICU line.

The purpose of any animal monitoring cage is to provide optimal care in hopes of aiding and speeding up recovery time for animal patients.

Kanistar ICU line does just that. At the machines most basic functions, it creates an environment of stable temperature and humidity, helping to provide a comfortable environment for the animal. These basic functions are great for newborn dogs and cats, especially born by caesarean section, as they cannot

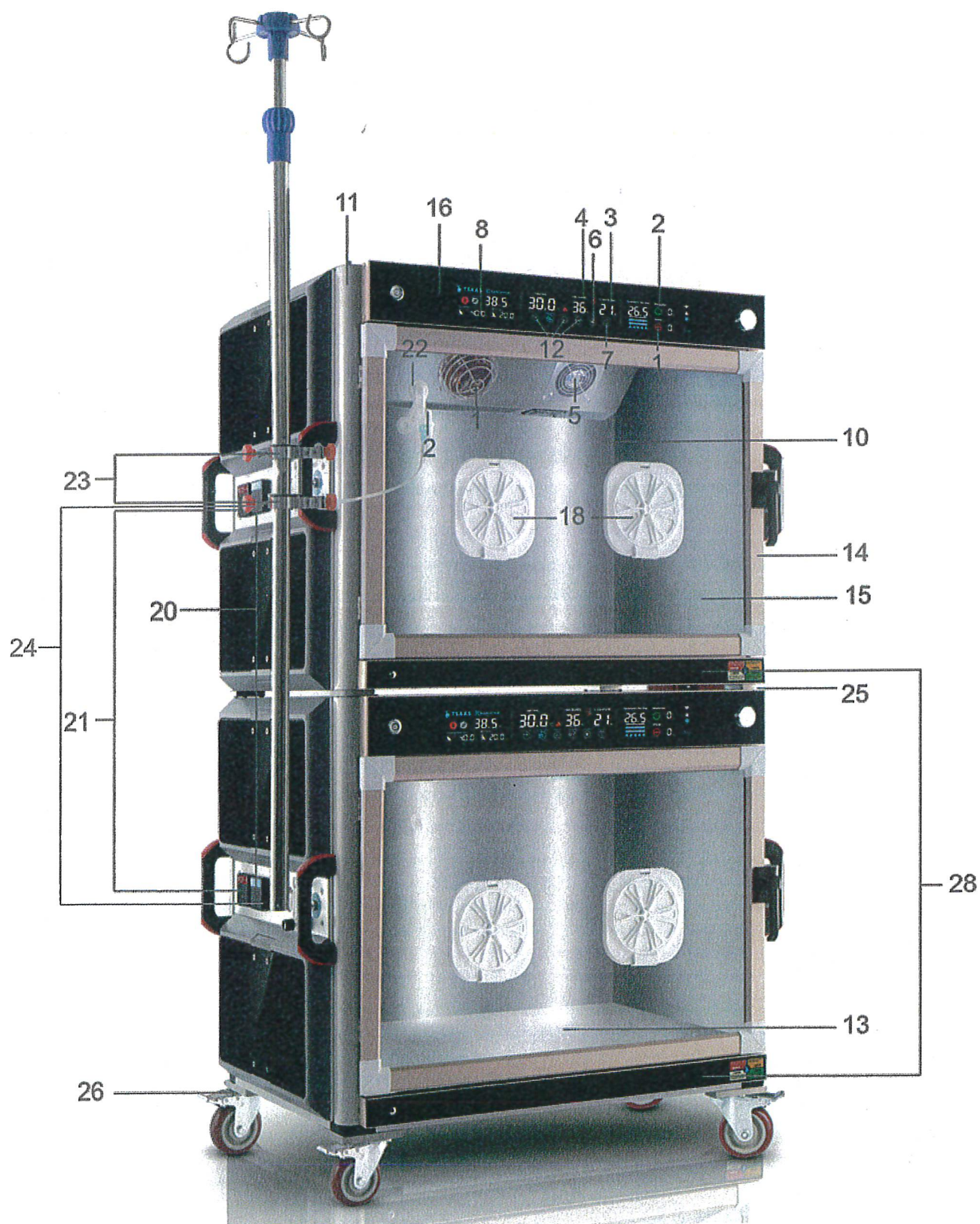


regulate their own body temperature and are confronted by a high mortality rate caused by hypothermia. A warm and comfortably controlled environment helps to increase their survival rate. With advanced diagnosis, monitoring and treatment equipment and technology, our ICU helps to observe the qualitative and quantitative condition of your patient continuously and dynamically. The typical animal ICU machine on the market fails to close the gap between what we know human ICUs can do. In our redefining of the animal ICU, we hope to close the gap from being a simple enclosed space that provides temperature and humidity settings and offering a machine that can support multiple medical treatments, such as infusions and nebulization of medication, an oxygen therapy enclosure, the ability to purify the ambient air inside the containment, and more. Enjoy the animal ICU, redefined, in Kanistar's TSAAS intensive care units.





## Features and Advantages

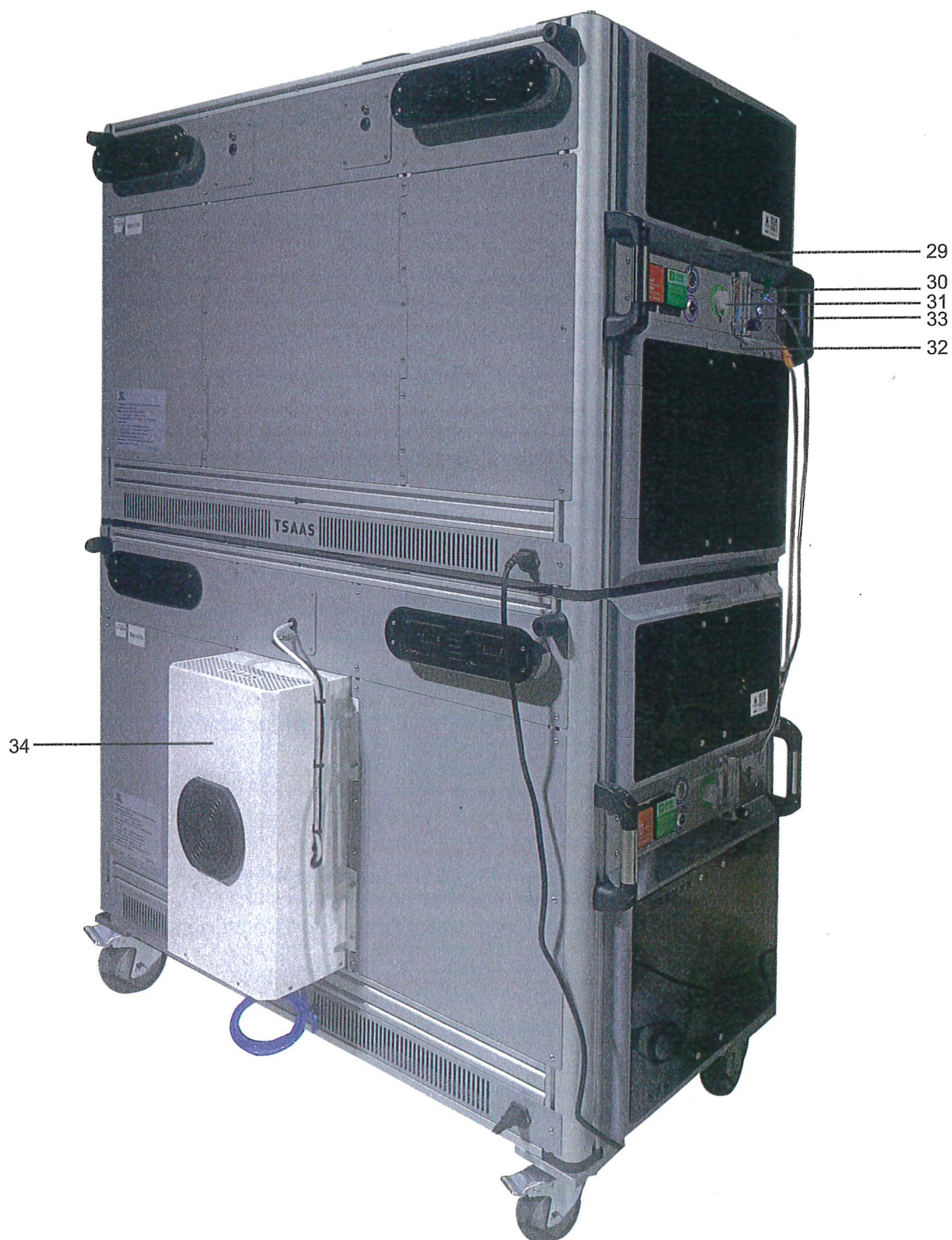




1. Infrared Physiotherapy
2. Built-in Medical Nebulization
3. Oxygen Concentration Control
4. Humidity Control (External Humidifier Needed)
5. Overhead Double Circulation Heating System
6. Adjustable Amber Light for Comfortable Illumination
7. White Examination Light
8. Self-Adaptive Temperature Control System (PRO Model Only)
9. IP Camera for Real-time Observation on Smart Devices (Pro Model&Optional)
10. Large Transparent Door to Easily Check Animal Status
11. Double Insulated Body for Better Heat and Oxygen Preservation
12. Triple Air Purification System -Ultraviolet, Negative Ion, and External Circulation
13. Thermostatic Bed with Mutual Accurate Temperature Control
14. Aluminum frame on Front Door for Better Oxygen Sealing
15. Food/Medical Grade Stainless Steel Inner Body for Effective Sanitation Management
16. Large Touch Screen for Ease of Use and to Aide in More Visible Alerts
17. AI (Artificial Intelligence) Controlled Alarm System for Machine Errors like Abnormal Temp inside the Cabin, Abnormal Humidity, Abnormal Oxygen Concentration, and Abnormal Temp of the Thermostatic Bed
18. Hand Access for Easy Treatment with Ventilation Adjustment
20. Programmed Power Supply for External Devices like Humidifier
21. Uninterrupted Power Supply for Other Add-on Devices like Vital Sign Monitor
22. Oxygen Sealing Transfusion Portal
23. Infusion Post Fixture(optional)
24. Control Interface of Oxygen Generator
25. Easy to Stack Design, Two Levels for Better Space Efficiency.
26. Stack-on Detachable Wheel Base for Mobility
28. Interactive Indicator Light Band at the Front Bottom



## Features and Advantages







19

- 19. Enclosing Large Enough to Accommodate a Large Dog Standing Comfortably
- 29. Power Switch of Air Conditioner
- 30. Port for Compressor of Nebulizer
- 31. Humidifier Port
- 32. Flowmeter of Oxygen
- 33. Oxygen Port
- 34. Air Conditioner

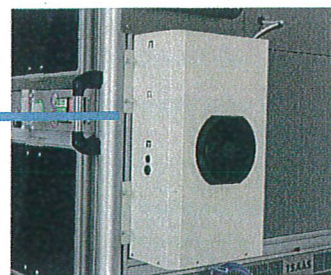


## Dual drive constant temperature

Overhead double-duct indirect-blow circulating heating system



Indirect-blow refrigeration compressor air-conditioner



Physical cooling of the bottom deck (2023 optional)



Thermostatic bed with evenly-distributed heating and temperature control

## Bidirectional control constant humidity



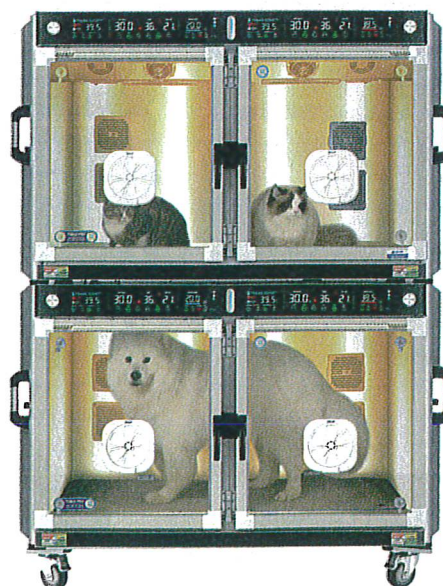
### Breeding environment

Ultrasonic humidification technology  
Up to 75% high humidity at high temperature of 35 °C



### Medical environment

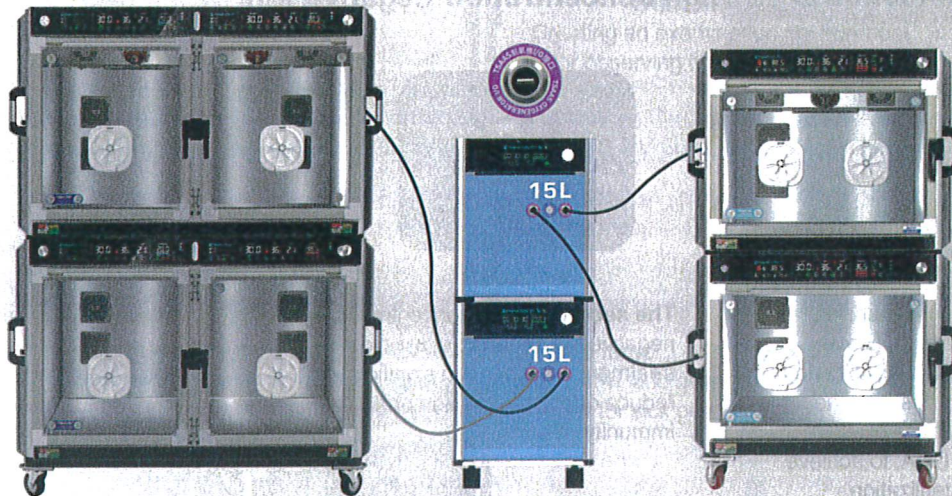
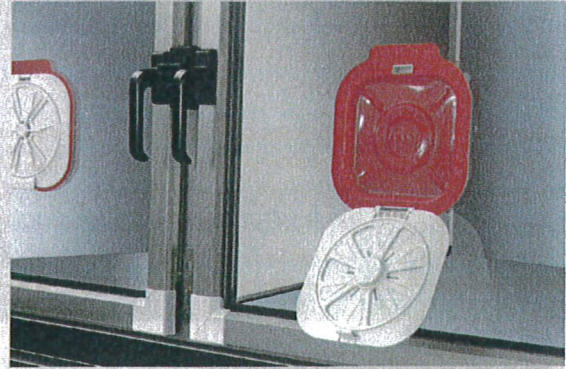
Efficient dehumidification performance  
The humidity can be as low as 40%





## High oxygen concentration control

- Intelligent stackable tower type oxygen concentrator with automatic control interface
- Control technology for balanced distribution in two/four compartments from single-side oxygen supply
- Intelligent Overlay Control Technology for Double/Four Cabins of two-side Oxygen Supply
- Conventional oxygen chamber oxygen supply (quickly reaching 50% oxygen concentration)
- High oxygen seal patch which helps to achieve up to 80% oxygen concentration



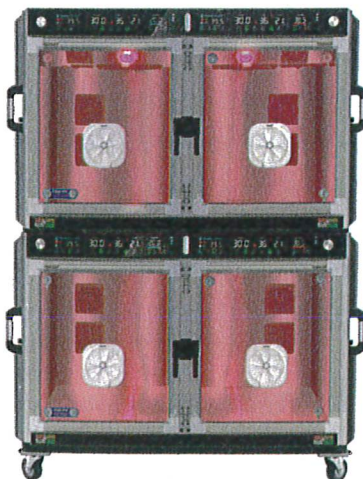
## Complementary medicine

### Built-in Nebulizer

#### IR Infrared therapy technology

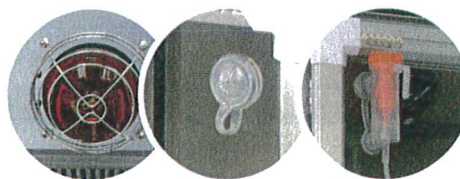
Available for atomization of the original solution without dilution; The atomized particles reach 0.5 microns and directly enter the lower respiratory tract for treatment.

#### Double oxygen supply holes/catheter holes/ IV pole



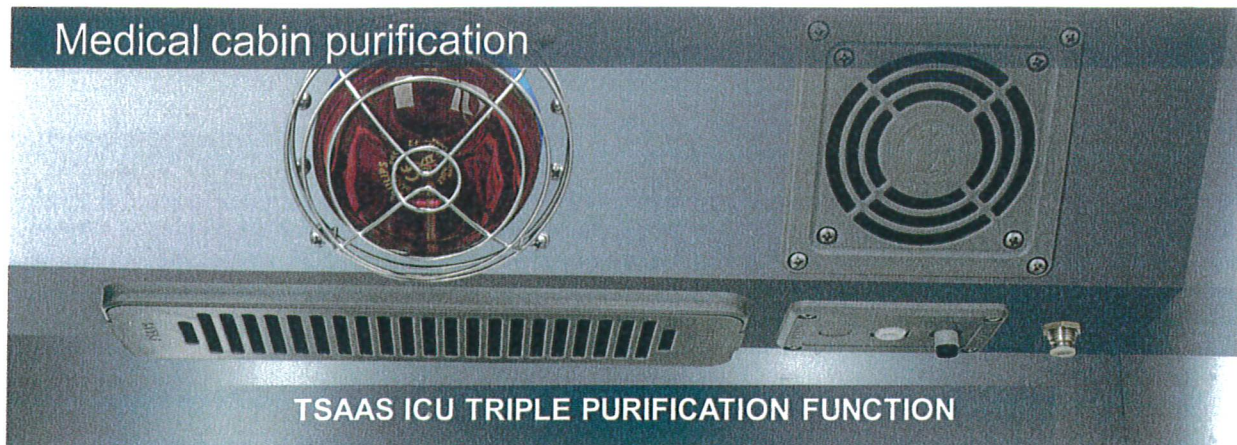
#### IR Infrared therapy technology

Enhance the vitality and regeneration ability of histiocyte, improve the metabolism of pets, diminish inflammation, sterilize, and accelerate wound healing



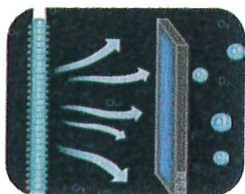


## Medical cabin purification



TSAAS ICU TRIPLE PURIFICATION FUNCTION

### UV disinfection



**The first:** With bactericidal UVC ultraviolet light (wave-length 200~280 nm), Ultraviolet disinfection destroys the molecular structure of microbial cell DNA, to achieve the effect of sterilization.

### High concentration negative ion



**The second:** High-concentration negative ion generators in a closed treatment chamber can significantly reduce odor pollution and enhance the immunity of animals.

### Internal/external cycle ventilation control



**The third:** When oxygen supply is not required, the "external cycle" function can be on to improve the cabin air quality.

## Double door and double cabin control



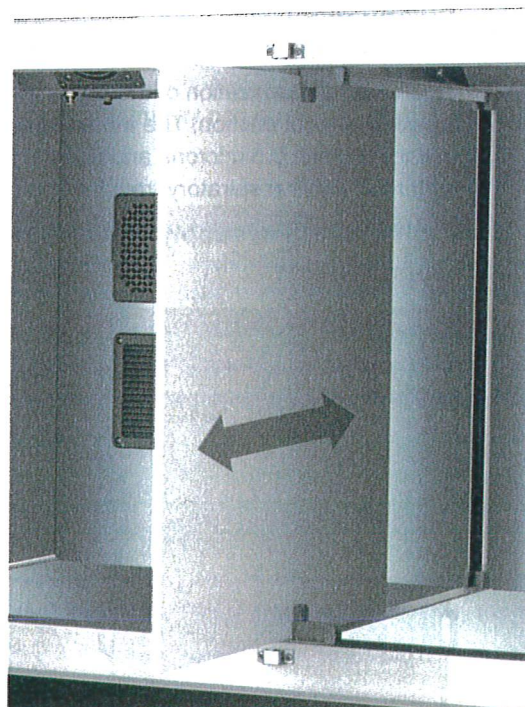
**ICU Dual Cabin of fully Separated Version**  
Dual cabin dual system of independent control



**ICU Dual Cabin of Shared Version**  
Shared control system for Dual Cabin



**Isolation device-urine barrier for double cabin**  
Prevent the two compartments from being soaked with pet urine



**Prevent the two compartments from being soaked with pet urine**  
Prevent the two compartments from being soaked with pet urine



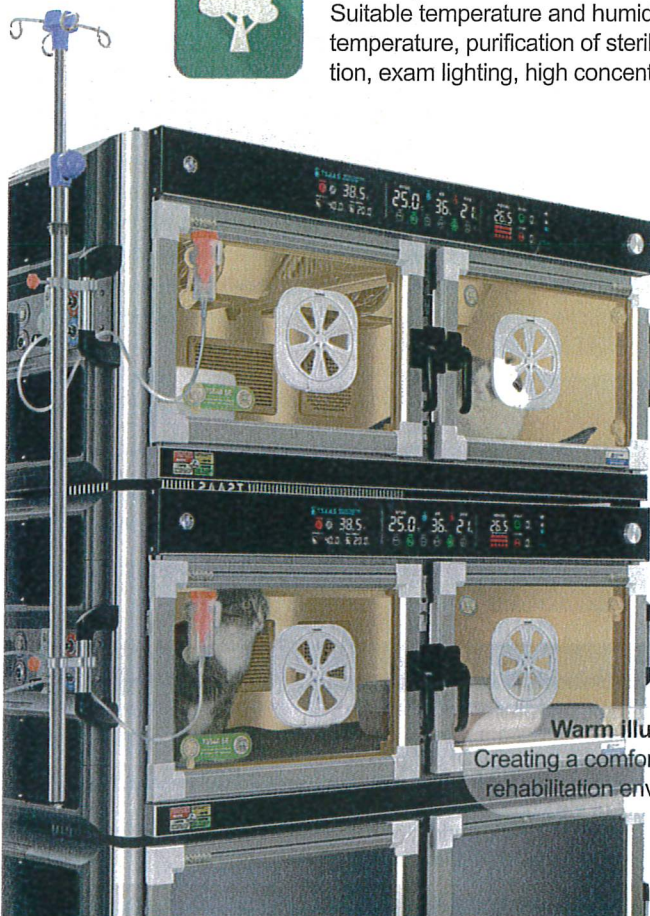
## Lighting assistance



### TSAAS ICU

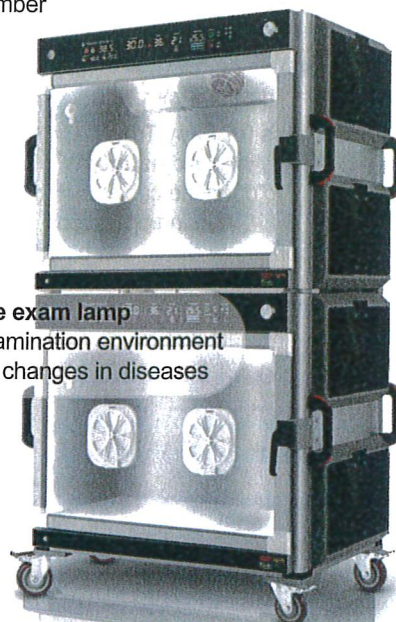
#### Creating a Rehabilitation Environment

Suitable temperature and humidity, continuous monitoring of body temperature, purification of sterile cabin, maternal quiet, soft illumination, exam lighting, high concentration oxygen chamber



#### White exam lamp

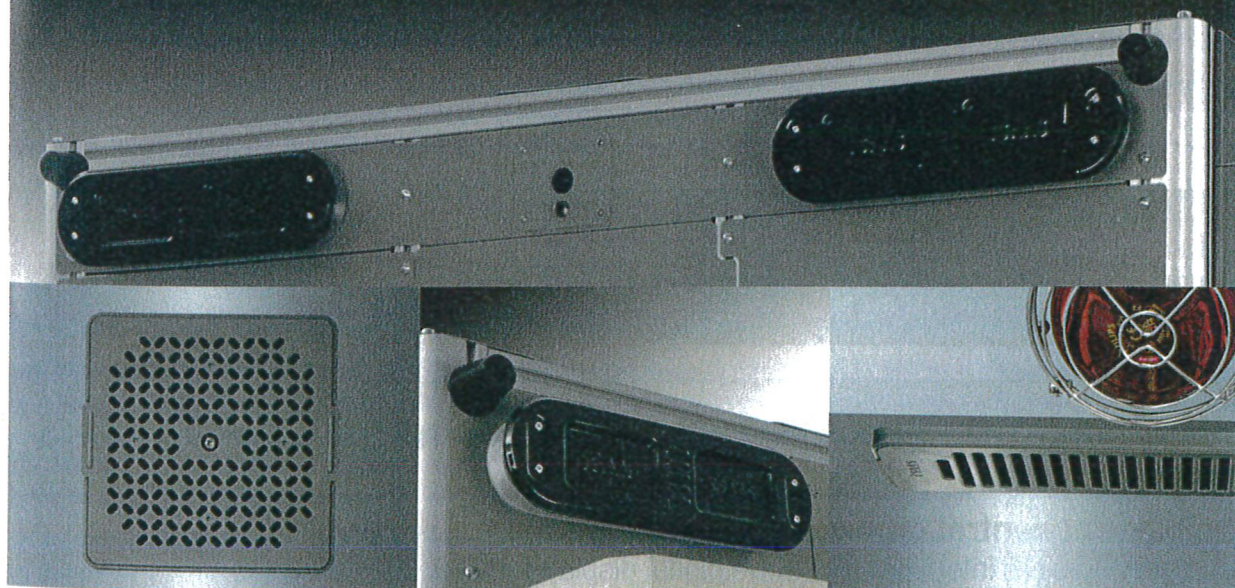
Creating an examination environment for observing changes in diseases



#### Warm illumination lamp

Creating a comfortable, warm, and quiet rehabilitation environment for sick pets

## Safety guarantee



#### Air conditioning intake to prevent hair suction

Easy to remove, built-in filter to avoid blockage or cross infection

#### Dual backup intelligent emergency vent

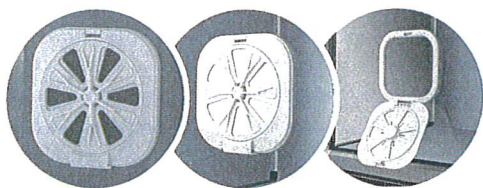
The emergency vent will open for the safety of pets' lives if there is oxygen sufficient or power failure in the cabin.

#### Air filter for cleaning

Top mounted air outlet filter with magnetic cover for easy replacement and cleaning



## Medical care



### Hand Access for Easy Treatment with Ventilation Adjustment

No need to open the cabin door, convenient for nursing operations  
Ventilation rotary cover can be rotated for rapid ventilation of the cabin.



### 4-Level nursing level indicator

	intensive care
	postoperative care
	hospitalized observation
	mild care

**Shading curtain**  
Keep out of light and create a quiet rehabilitation environment for sick pets



**Type 2007:**  
Single cabin central touch screen



**Type 2005:**  
Dual cabin independent system central control touch screen



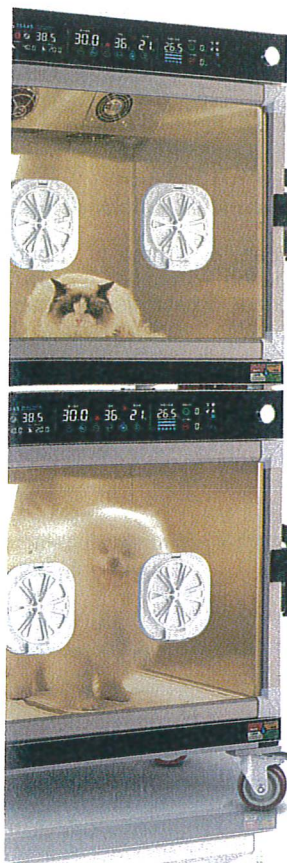
**Type 2008:**  
Dual cabin independent central control touch screen

## Intelligent central control with large touch screen display

Simple and clear interface, with large digital display and touch control for various indicators, easy to identify and operate



# TSAAS APP



**Mobile phone** Manage all ICUs and patients in the hospital (remote monitoring and management system)  
**Mobile phone** Fully digital communication with pet owners anytime and anywhere on medical progress



## Innovative IoT technology

**Scan WeChat**  
 Open the TSAAS mini program



### Remote management of ICU and sick pets

Remote monitoring and control of the status of the ICU and the temperature of pets, marking the ICU as a management device for the hospital. A doctor can efficiently manage all inpatient ICUs and pets in the hospital with just one mobile phone, and provide timely and accurate adjustment for pet conditions.

### Continuous monitoring of pet temperature

7X24 hour Real time monitoring of changes in animal body temperature, alarming and automatic adjustment, enabling the ICU to iterate from a traditional incubator to a truly intelligent monitoring medical device.

## External medical expansion



**Medical storage rack**  
 Easy installation at will

**3D Heat Distribution Mat**  
 Creating a Rehabilitation Medical Environment

### ICU Intelligent control access system

- UPS
- Connection of oxygen supply system
- Humidifier connection
- Nebulizer connection
- TSAAS Oxygen concentrator I/O interface
- Intelligent control power
- Power switch of compressor air conditioner supply

### Thermostatic bed heating system

Three-speed thermostatic bed temperature setting

**Comfortable rehabilitation**  
 29 °C

Suitable for mild illnesses and inpatient rehabilitation

**Maternal warmth**  
 38 °C

Suitable for breeding and temperature maintenance of pets

**Body temperature recovery**  
 43 °C

Suitable for rapid body temperature resuscitation

**Thermostatic bed cooling function**  
 (optional for 2023 models)  
 Physical cooling adjustment settings

**Cool Pet Nest**  
 17 °C

Suitable for rapid cooling of heatstroke and high fever

