

COMeN

COMeN Share with the World



B8/B6

Neonatal Incubator



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When Incubator Encounters Monitor Love Drives Technology

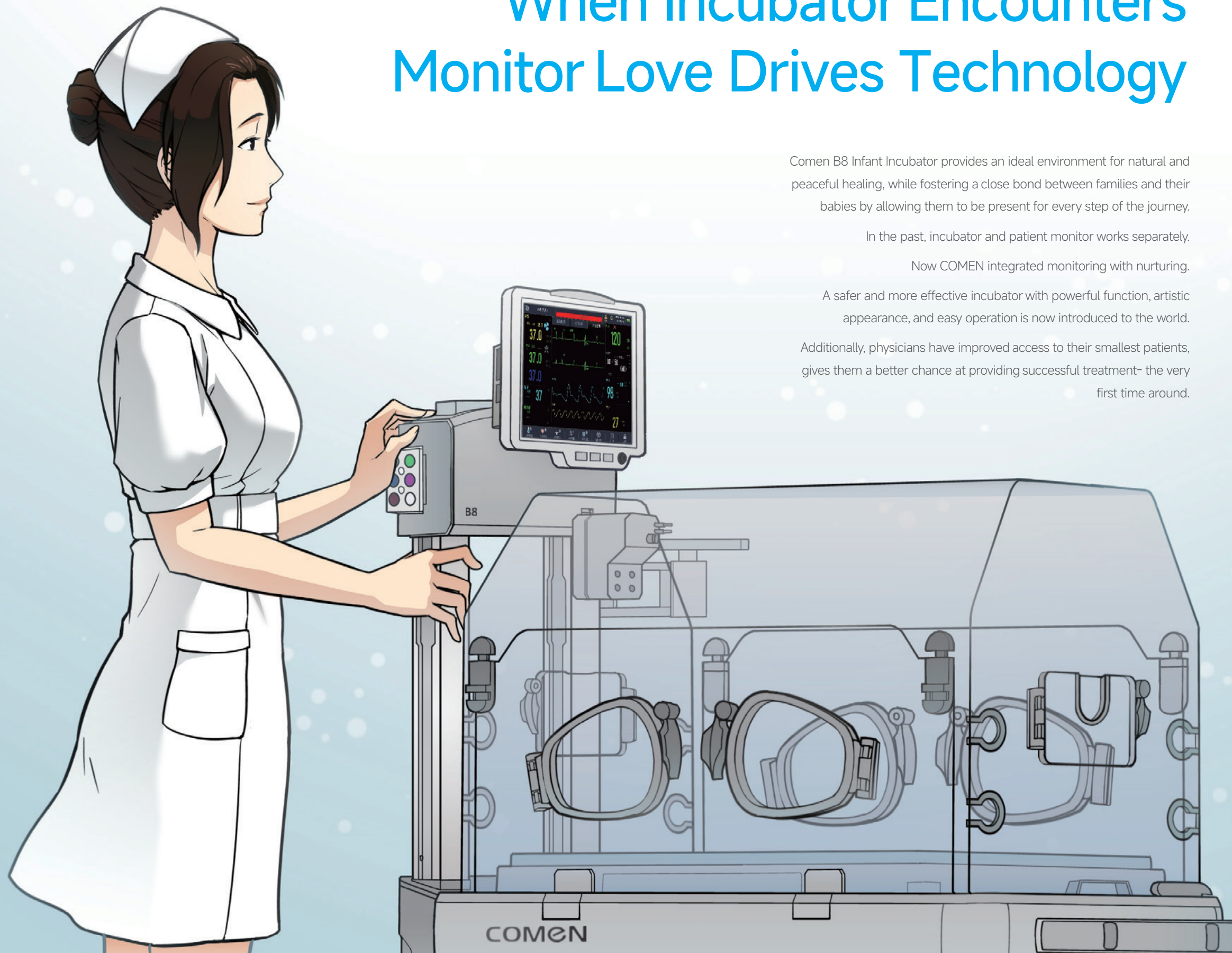
Comen B8 Infant Incubator provides an ideal environment for natural and peaceful healing, while fostering a close bond between families and their babies by allowing them to be present for every step of the journey.

In the past, incubator and patient monitor works separately.

Now COMEN integrated monitoring with nurturing.

A safer and more effective incubator with powerful function, artistic appearance, and easy operation is now introduced to the world.

Additionally, physicians have improved access to their smallest patients, gives them a better chance at providing successful treatment- the very first time around.



A Deeper Love

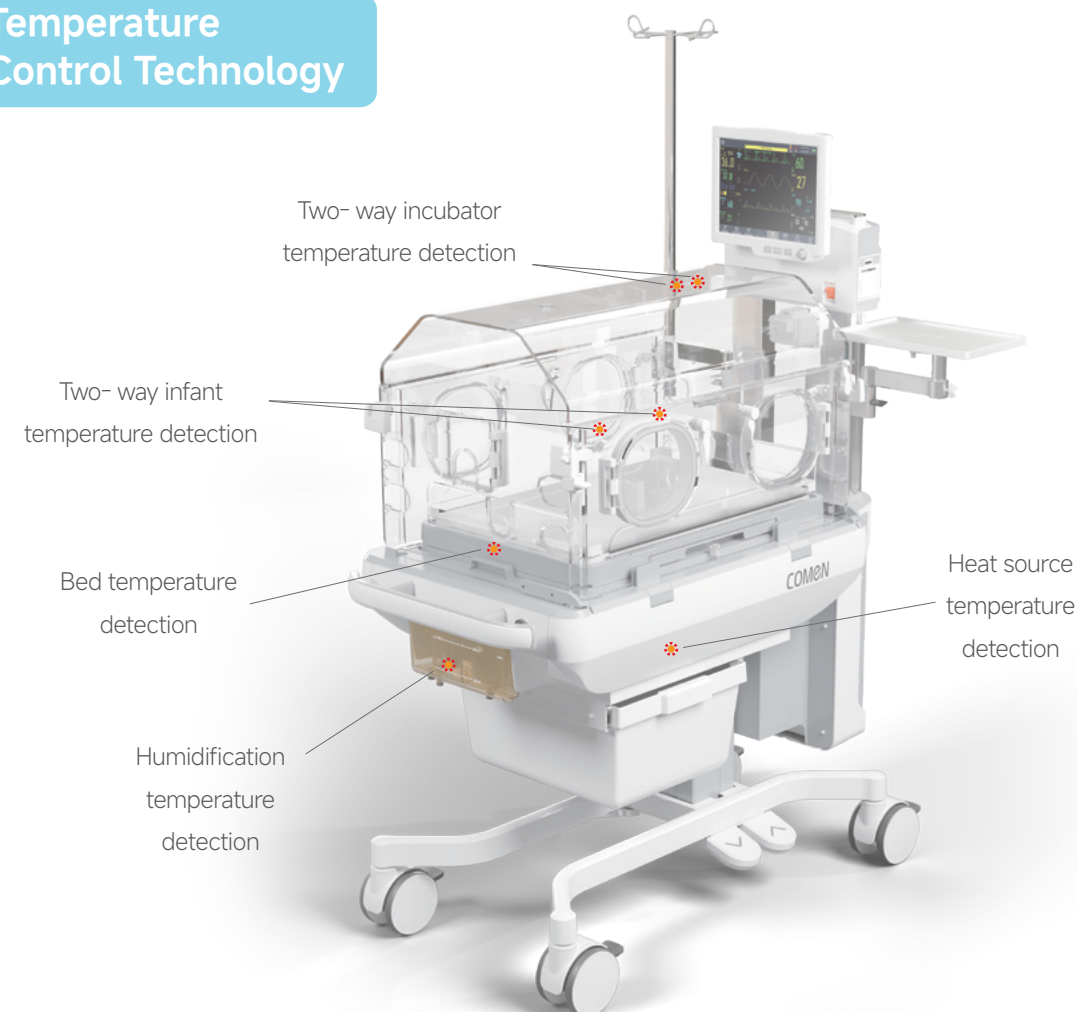
Neonatal incubator is warming equipment used for providing constant temperature and humidity for treatment of premature infants and critically ill neonates which fit well with their physiological characteristics and needs.

COMEN B8 incubator was thoughtfully designed to provides stable temperature and suitable humidity ambience. It also features configured vital signs monitoring function to care for even the most fragile patients.

Incubator System

To develop the world's leading incubator, COMEN has always strive to surpass the top-level competitors. "Whatever the mind can conceive and believe, it can achieve." With 720 consecutive days of dedication and overcoming difficulties along the way, COMEN B8 incubator, which provides stable temperature, and suitable humidity and O2 concentration for newborns, was brought into being.

Temperature Control Technology



7 channels temperature collection:

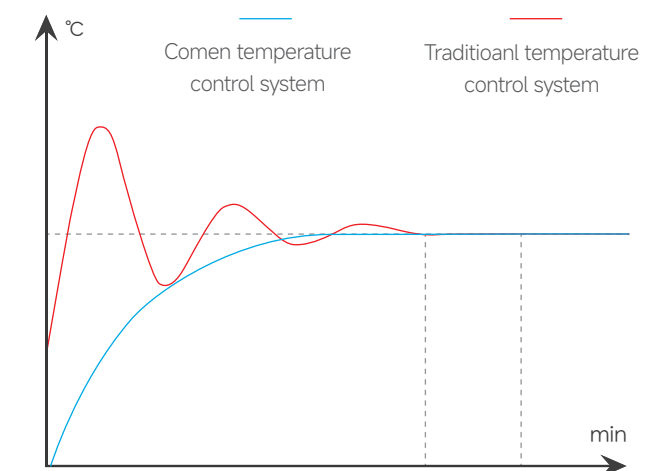
Appropriate temperature inside the incubator can reduce neonates' water loss and reduce their risk of dehydration, B8 double guarantee the control of temperature through 7 channels of detection.

Intelligent Variable Resistance Heating Technology

Thanks to dual resistive heating tube and fin-style radiator, B8 shorten heating time of the incubator to ≤ 35 mins while working with its control system, which saves time in immediate care of preterms, in addition, temperature fluctuation is significantly reduced to 0.5°C .

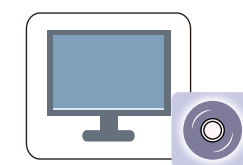
Advanced air circulation: Symmetrical dual inlet and outlet.

A more comfortable environment with stable tempratureand suitable humidity ambience is within reach.



Constant temperature figure

3 independent over-temperature protection:



System protection

When the control system detects that the temperature inside the incubator exceeds limits, the heating will be stopped automatically



Hardware protection

A sensor is applied to control temperature through sending signals to heating instrument

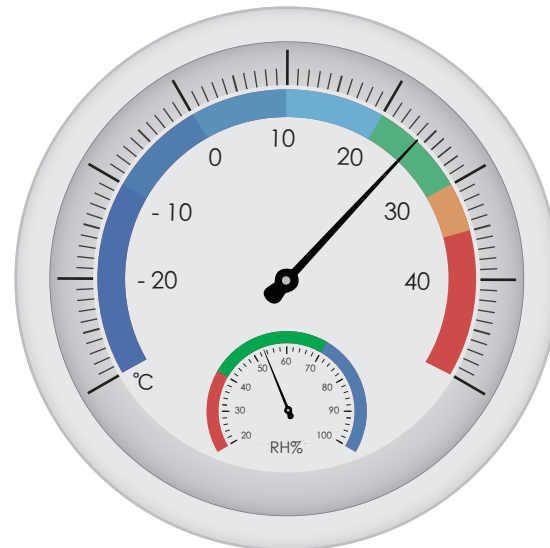


Mechanical protection

A mechanical over-temperature switch is used to prevent over temperature utilizing its high-temperature deformation characteristics

Humidity Control Technology

Thanks to PWM control technology and advanced humidity generator, the B8 infant incubator provides fast humidification so that an environment similar to mother's womb is created in a short period of time.



- **Effective humidity of up to more than 95%:** Suitable for premature infants with low weight
- **Titanium alloy material for evaporation:** corrosion resistance and limescale reduction
- **PEEK material for thermal isolation:** insulation sleeve is made of PEEK material, it's corrosion resistant, high temperature resistant and high pressure resistant.

Material

- The transparent cover is made of food- grade Perspex materials with high transparency, safety, and environmental friendly characteristics.
- The bed adopts nature color and environmental friendly ABS materials, more safe, reliable, and comfort- enhancing.



Oxygen Concentration Control Technology

- **Servo Oxygen Supply:** With O2 concentration adjustment according to air- O2 distribution, B8 infant incubator provides advanced close- loop feedback.
- **One- press O2 Concentration Calibration:** Thanks to Comen patented technology-- two- point calibration (21% and 100%), O2 concentration detection precision reaches $\pm 2\%$, higher than other brands.

Specialized Neonatal Monitoring System

Designed for the NICU by COMEN, this system integrates ExNeo® ECG technology, adaptive neonatal NIBP, Masimo SpO₂, apnea self-rescue monitoring, and oxygen concentration detection. Ensures accurate ECG and blood pressure measurements while supporting early detection of respiratory distress.

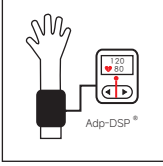
The system is compatible with B6 and B8 incubators.



ExNeo® Neonate ECG
Measurement
Technique

Designed specifically for neonatal ECG characteristics

Optimized for rapid heart rate changes in newborns.
Delivers reliable ECG and respiration data even during crying or movement.



Adap- DSP® Adaptive
Signal Processing
Technology

Accurate NIBP under motion and low perfusion

Adap-DSPe technology maintains reliable blood pressure readings even during frequent movement.

Comprehensive Neonatal Monitoring with Safety-Focused Accessories



Masimo SpO₂



Neonatal ECG Cable
and Electrodes



Neonatal Monitor
Protection



Apnea Self-
saving Probe

Comen Patented Neonatal Apnea Detection

Apnea Wake-up Pack

Neonatal apnea wake-up vibrator help neonates resume breathing during apnea events.

Abdominal respiration sensor

Captures natural neonatal abdominal breathing for higher detection accuracy

Non-invasive and neonate-friendly design

Designed specifically for newborn comfort and safety in the NICU environment



Masimo SET Neonate
SpO₂ Technique



Apnea self- saving
Monitoring

Ultra-low perfusion accuracy

Masimo SET® reliably measures SpO₂ and pulse even in neonates with extremely low blood pressure and poor perfusion.

High anti-interference reliability

Proven performance in motion and low-signal conditions, making it suitable for critically ill infants in the NICU.

Early apnea detection and intervention

Continuous respiratory monitoring helps prevent hypoxia-related complications.

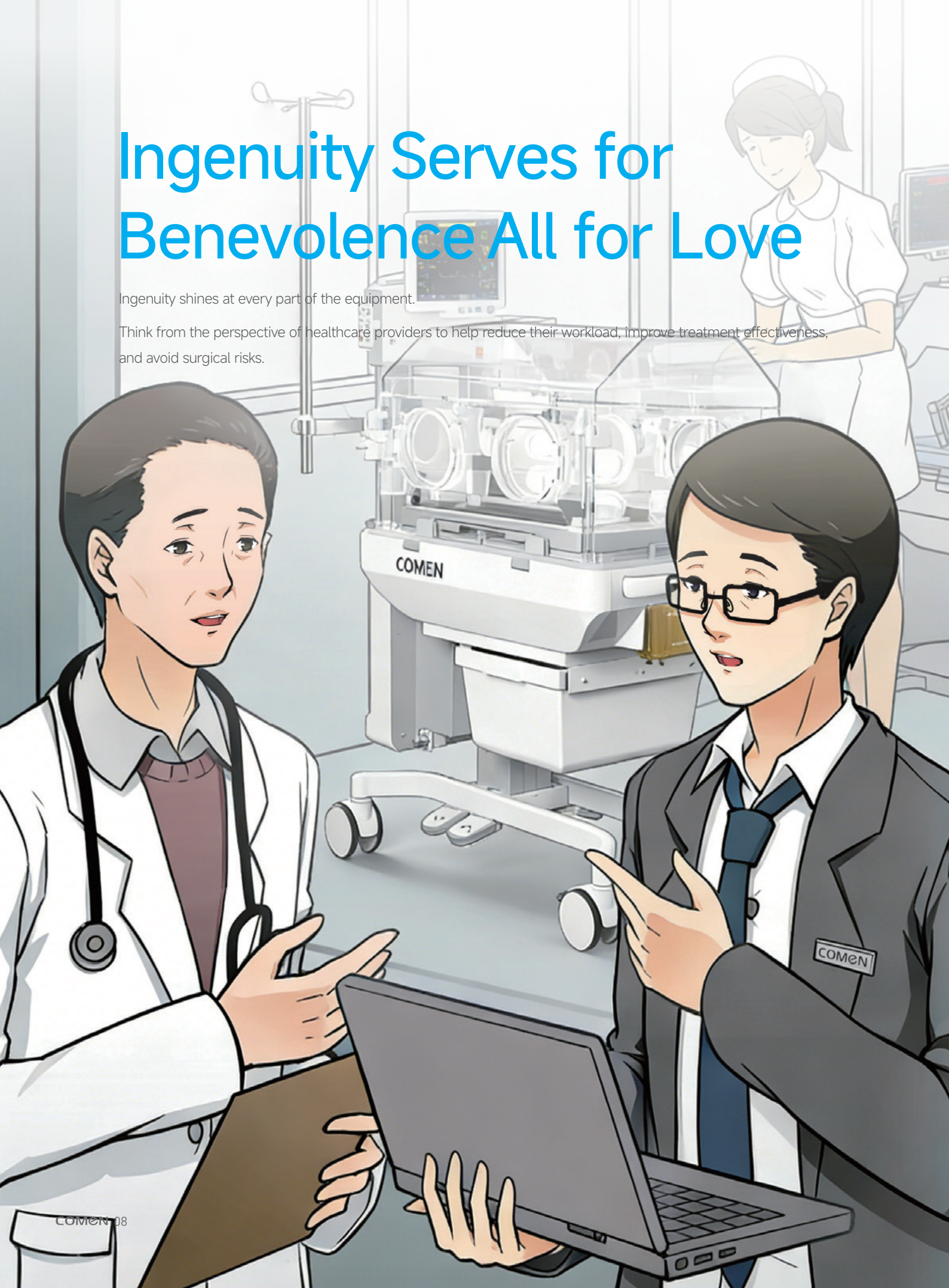
Automated self-rescue stimulation

Built-in tactile stimulation reduces response time and supports neonatal safety in the NICU.

Ingenuity Serves for Benevolence All for Love

Ingenuity shines at every part of the equipment.

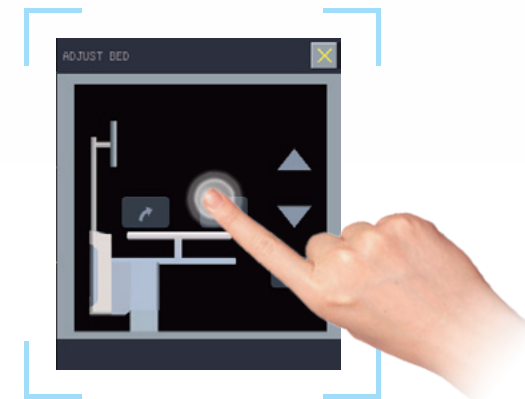
Think from the perspective of healthcare providers to help reduce their workload, improve treatment effectiveness, and avoid surgical risks.



Electric Lift

Auto lifting of the incubator.

Pedal and touch screen dual operation.



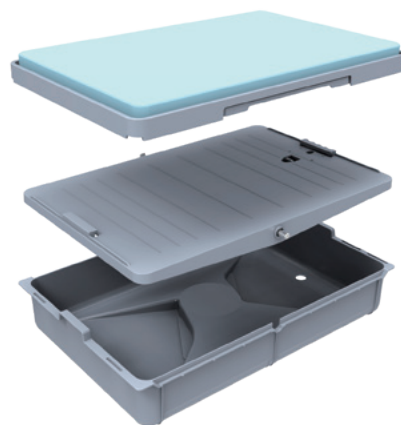
Intelligent Adjustment

Adjustable bed tilted angle support and touch screen control.



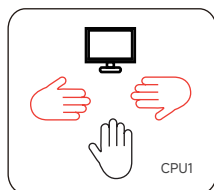
The bed and sink can be dismantled, cleaned and disinfected by hand.

The air circulation system can be thoroughly cleaned without removing the temperature control system and the heating equipment.



Four independent CPU

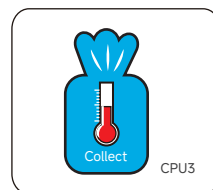
Four independent CPU systems, namely human-machine interaction, alarm system, temperature collection and thermoregulation. Each system works independently without interference to each other. When one CPU fails, other CPUs won't be affected.



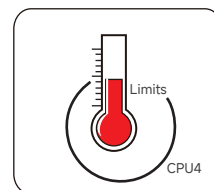
Human-machine interaction



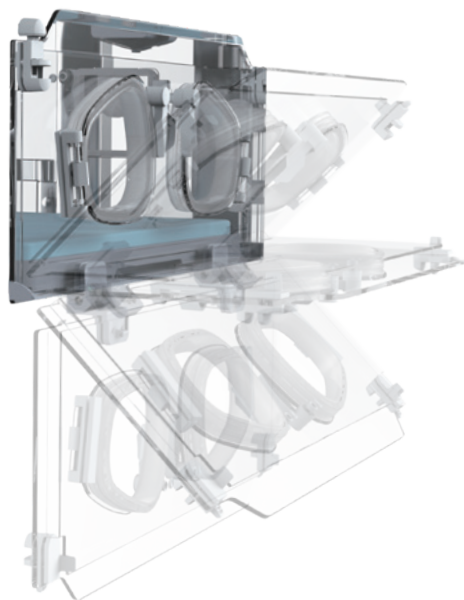
Alarm system



Temperature & humidity collection



Temperature & humidity control



Integrated design of monitor and incubator:

- Makes it easy to manage equipment and avoid the risk of monitor falloff.
- Neonatal specialized monitoring to avoid mis-operation of the monitor.
- The true realization of the integrated transport of monitor and incubator.

Adopts easy-to-open damping design on the left and right access panel. The slow-falling panels reduce the noise to the largest extent, creating a quiet environment for the neonates.



Human-machine interaction

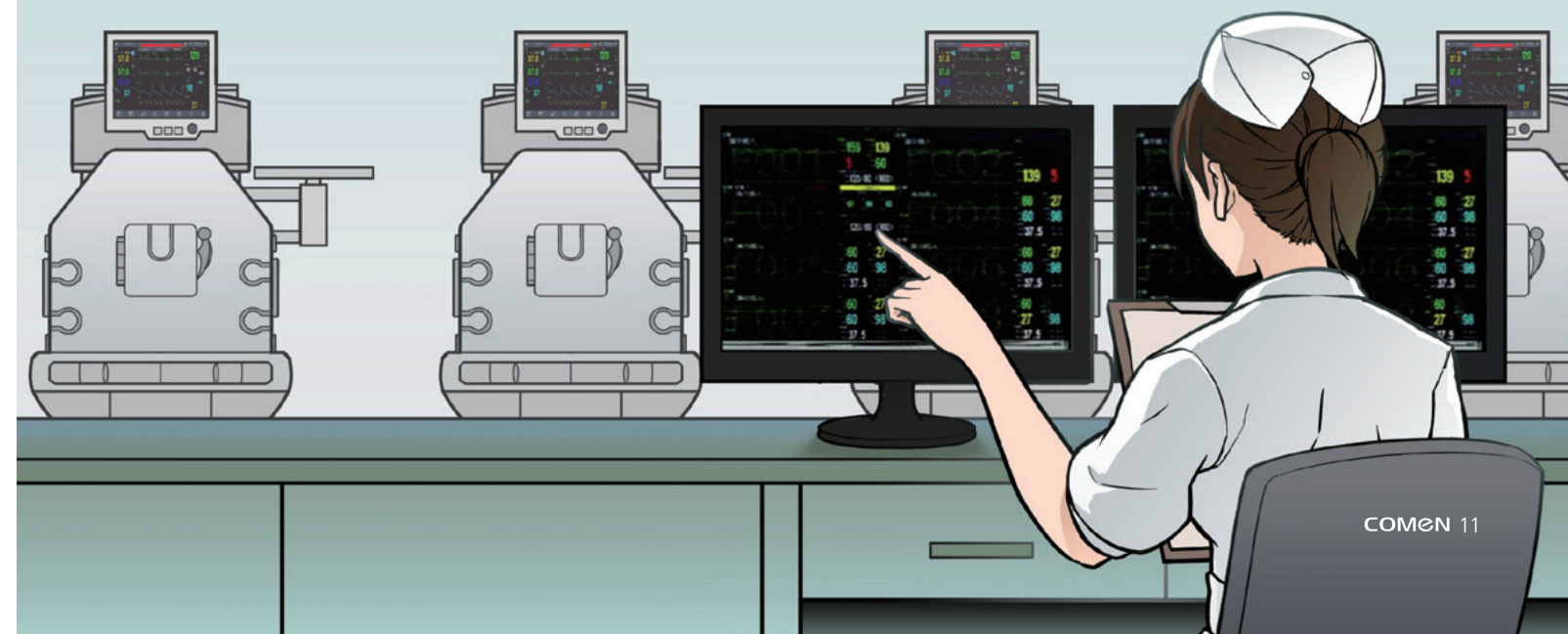
12.1 inches LED touch-screen, key board with backlit and touch operation.

Screen angle adjustable, easy for observation.

Patient Record Management

Built-in 50mm thermal recorder, enables information about incubator environment, vital parameters, etc. to be recorded.

Wired/wireless central monitoring system, automatically saves and records infants' vital parameter and incubator parameters.



Love Promotes Baby Health Love Accompanies Baby Growth

Comen constantly instills creative technology into the design of products.

From a common medical device provider to a comprehensive medical solution provider developing new neonatal monitoring system for NICU, Comen never stops the quest to promote human health.

NICU Comprehensive Solution

Building on the leading edge in the field of monitoring, COMEN now has the first specialized neonatal monitor in the world, neonatal non-invasive ventilator with integrated non-invasive ventilation solution, all in one radiant rescue station, ceiling \ beam/pendant, air-oxygen blender, bubble CPAP, infusion workstation etc., creating the most professional NICU comprehensive solution.



B10
Hybrid Neonatal
Incubator



B8
Neonatal
Incubator



BT800
Transport
Incubator



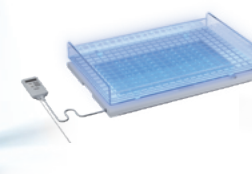
NV10
Neonatal
Ventilator



VN8
Neonatal &
Pediatric Ventilator



BL60
LED Phototherapy
Light



BL20
Phototherapy
Mattress



BQ80
Infant Radiant
Warmer



P6
Oxygen and
Air Blender