



## B2 Infant Incubator

# More Than Incubation

As one of the leading comprehensive NICU solution providers in the world, COMEN provides other related neonatal products alongside the B2 for seamless and synergistic treatment.

*Specialized Neonatal Monitor*

*Neonatal T-piece Resuscitator*

*Infusion & Syringe Pumps*

*Phototherapy*

*Patient Temperature Control System*

*Neonatal Ventilator*

*Catheter-positioning Guiding System*

*Radiant Warmer*



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# System Integration



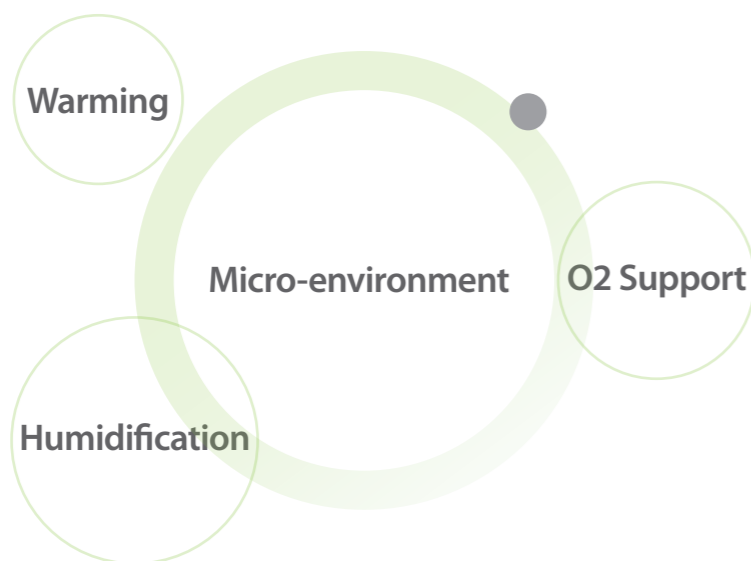
Empowering clinicians undertaking the mighty task of tiny baby care with controlled microenvironments is no longer just a luxury, it's a necessity when it comes to incubation systems.

The B2 infant incubator is a multisystem integration of a plethora of user-focused designs to better address the complicated demands of the NICU.

*"Affordable, reliable clinical performance with upgradable functionality"*

*"Reducing nosocomial infections with easily accessible, thorough disinfection"*

*"Easing workload by minimizing hassle, allowing clinicians to truly practice their expertise"*



Comen's B2 Infant Incubator provides extended care to newborns through stable warming, smart servo-oxygen control, efficient humidifying, easy disinfection as well as an Apnea Wake-up function that is further augmented by the inclusion of SpO2 monitoring.

## Uninterrupted Warmth

Efficiency, Stability, Safety

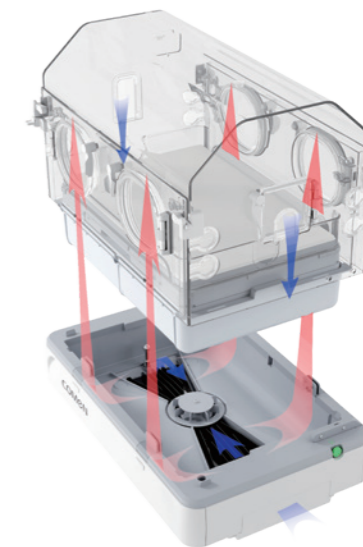
PID (Proportional-Integral-Derivative) Closed-loop Temperature Control Algorithms

### Even heat distribution, faster heating

The dual symmetrical heater design brings about an even, uniform distribution of warm air within the incubator, with a shorter warm-up time that takes <25 min to warm from 25°C - 36°C.

### Stable air circulation system

The B2 keeps airflow at a low velocity to minimize the convective heat loss caused by a baby's naturally disproportionate BSA: Weight ratio. The double-walled design also enhances the stability of air temperature within the incubator by shutting out the surrounding ambient environment, further fortified by the Auto Air Curtain function to prevent heat loss when opening the side panels.



### Overtemperature protection

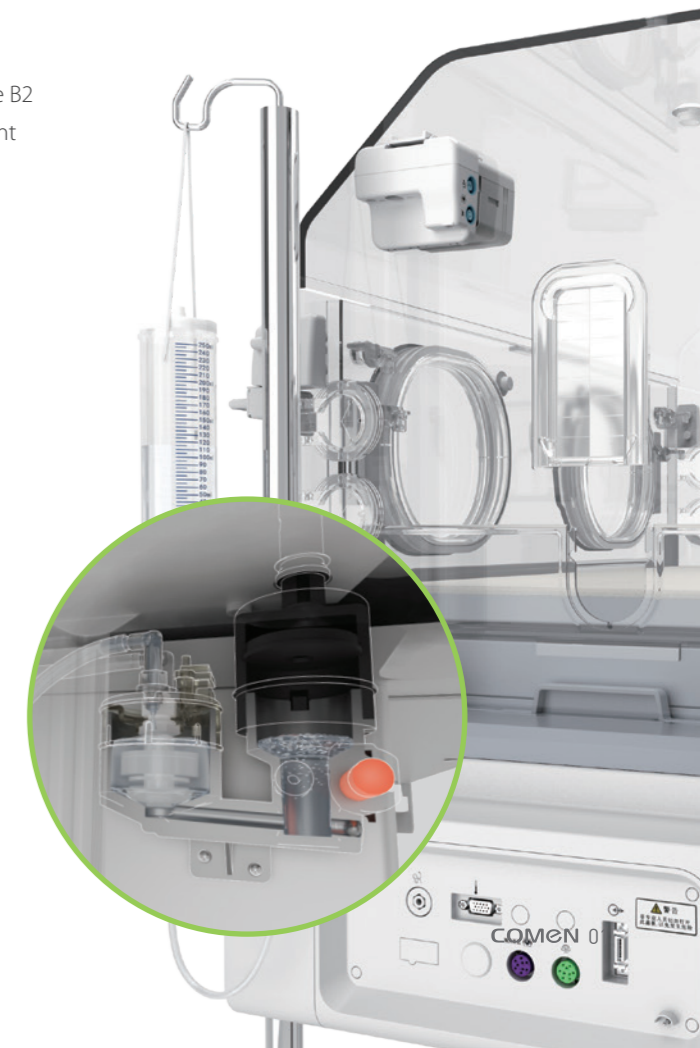
The B2 incorporates 7 built-in temperature sensors to provide real-time air/skin/rectal temp monitoring. As a hedge against medical mishaps, the B2 also monitors temperatures for the heater, mattress, as well as the ambient environment with overtemperature protection.

## Efficient Humidifying

Closed system with rapid response

The B2's closed humidification system allows caregivers to set the humidity level up to 99% RH.

With a rapid response time of less than 10 min from 40%RH to 85%RH once set, rest assured the babies you care for receive only the best.



# Extensive Functionality

## Servo Oxygen Control

The B2's Closed-Loop Servo Oxygen Control supplements neonates with O<sub>2</sub> enrichment within the incubator through real-time feedback of Oxygen parameters, allowing automatic regulation with a setting range of up to 65%.

100% O<sub>2</sub> can be supplied to the enclosed compartment when used with a central gas supply or oxygen cylinder.



## The Next Best Thing

Neonates require a comfortable and quiet environment where they feel safe to grow or heal, like a mother's womb. The B2 is designed with this in mind, to simulate conditions as close to a mother's womb as possible. To prevent stressful stimuli from affecting neonatal growth and ensure the neonates' safety and comfort. B2 provides:



Motor for tilting



Quiet humidification



Silent casters



Damper doors



Baby guard doors



Double locks



Pressure relief mattress

# Vigilant Monitoring, Timely Remedy

## Spontaneous Breathing Monitoring

Detected by an abdominal sensor in real-time.

## Apnea Wake-up

The vibrator wrapped on the foot is activated automatically as soon as apnea is detected.

## SpO<sub>2</sub> Monitoring

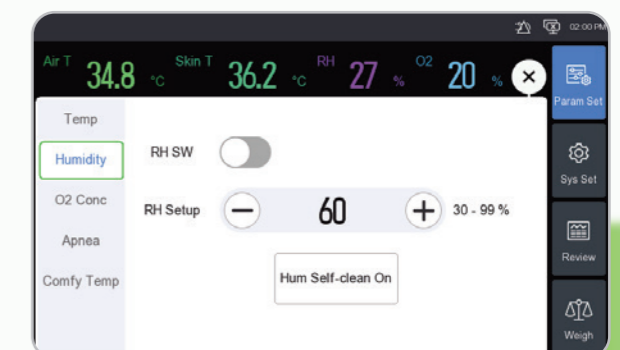
Oxygen saturation remains an essential vital sign in the evaluation of neonatal health.



# Practical Sanitization



Tool-free 3 step disassembly



Auto cleaning of humidification system with simple touch

# Easier Management

The B2 aims to help caregivers stay ahead of the constantly fluctuating clinical needs when caring for babies, while also reducing workload with its ergonomic and smart design.

## Harmonized Control

Savor full control of the B2's functions and parameters directly through the visually impressive 7.0" LCD color touchscreen. Don't like tapping? Your needs are covered with an alternative rotary navigator for flexible operation.

## Smart within Reach

Neonatal care often involves frequent adjustment of the baby's position. With the B2's handily-placed access buttons, caregivers are afforded the convenience of extensive electric bed tilting, subsequently guaranteeing accessible comfort of both baby and clinician.











## Diagnostic Clarity

Bodyweight is one of the most important indicators in neonatal care, especially when considering weaning or efficiency of treatment. The B2 can be equipped with a built-in electronic weighing scale that also supports weight trend data reviews, granting clinicians better instruments and greater clinical acumen when making decisions.



## Extensible Flexibility

-  Apnea Wake-up
-  Electronic Weighing Scale
-  Servo Oxygen Control
-  X-ray Tray
-  Damper door
-  Hood Cover
-  IV Poles
-  Tray