

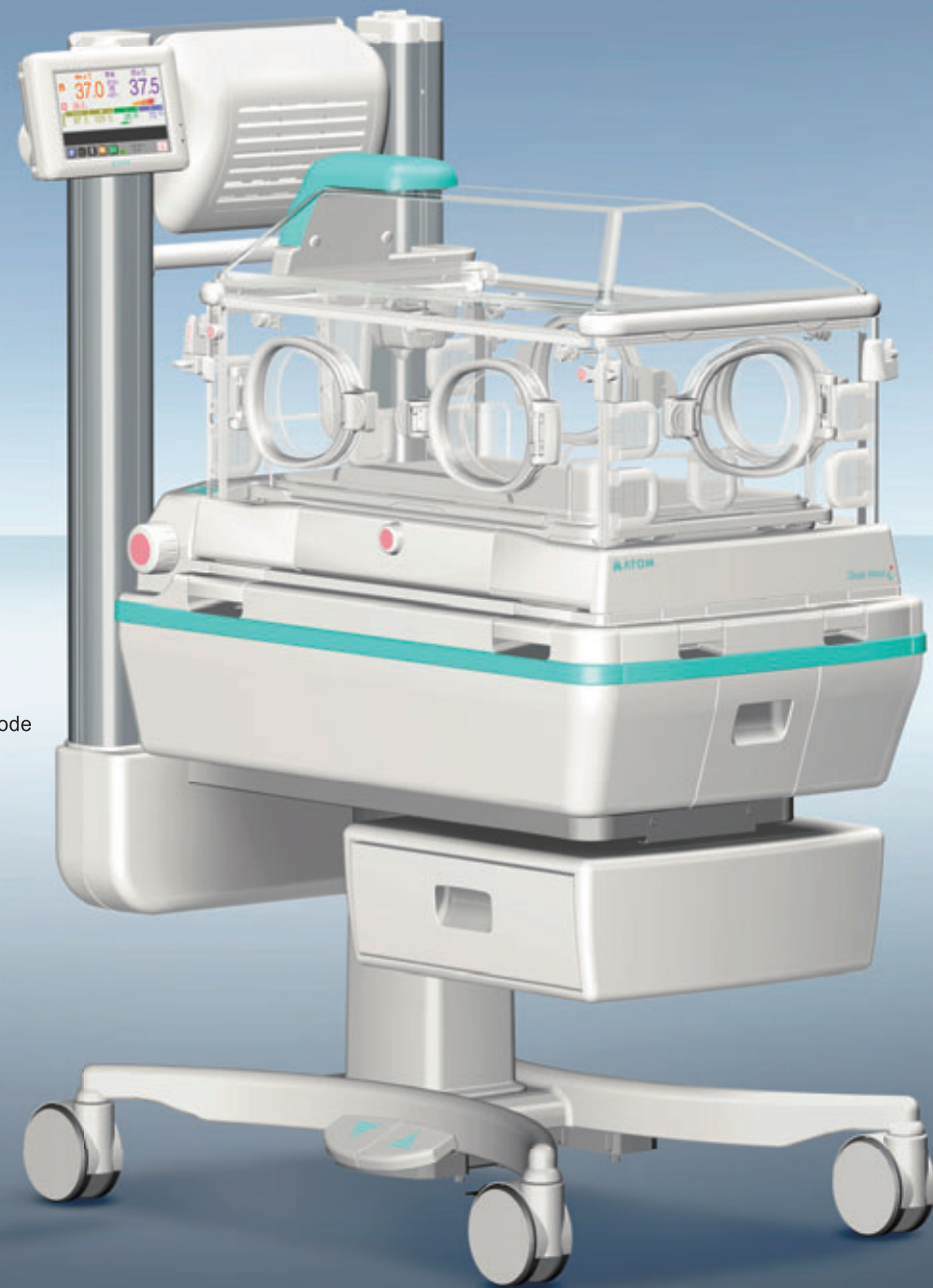
Dual Incu*j*



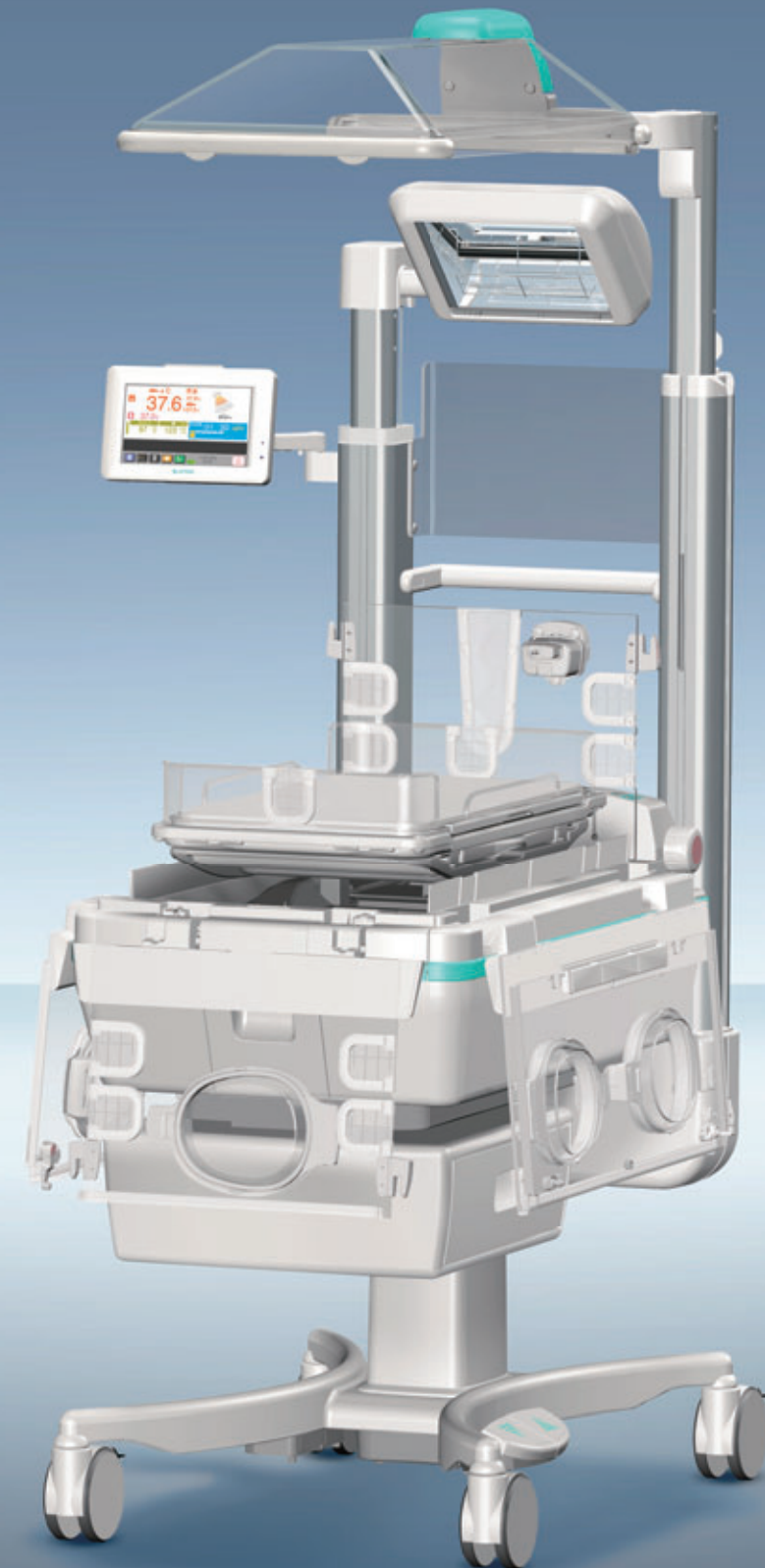
New Generation

The new generation infant incubator has inherited the highest quality features and state-of-the-art technology, meeting the various requirements of the healthcare professional.

Incubator mode



Infant Warmer mode



* The drawer shown is optional

The Dual Incu i can perform in a wider range of hospital settings through the incubator mode and infant warmer mode.

Open-care

Superior performance as an infant warmer enables better medical treatment.

Transport

The same environment in the NICU can be provided even during transportation.

Closed-care

The Dual Incu i reduces the infant's stress and supports daily care giving.



◆ Power Pack i

Power pack i can maintain appropriate temperature and humidity while in motion, unexpected power failure or power problems.

The advanced, high quality features of an incubator facilitate daily care giving.

Basic performance as an incubator.



◆ Compact design

The compact size enables you to minimize the risk of infection when accessing to the infant.

◆ X-Ray cassette tray port

An external X-Ray cassette tray prevents a drop in the incubator air temperature. The X-Ray cassette can be drawn out from either side of the incubator without opening the front admittance panel.



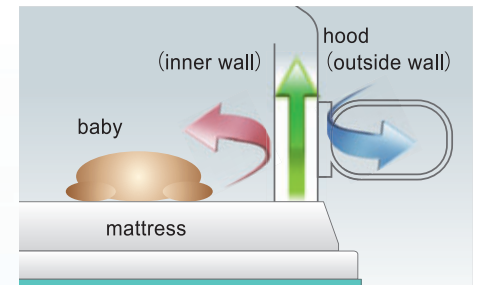
◆ Double lock system

The double lock system of the admittance panel prevents the infant from falling out of the incubator accidentally.



◆ Air curtain of access port

Air curtain to minimize a drop in the incubator air temperature. The air curtain prevents ambient air from entering the incubator even when the snap-open access ports are opened.



◆ Mattress platform tilting function

The mattress platform can be tilted without opening the front admittance panel.



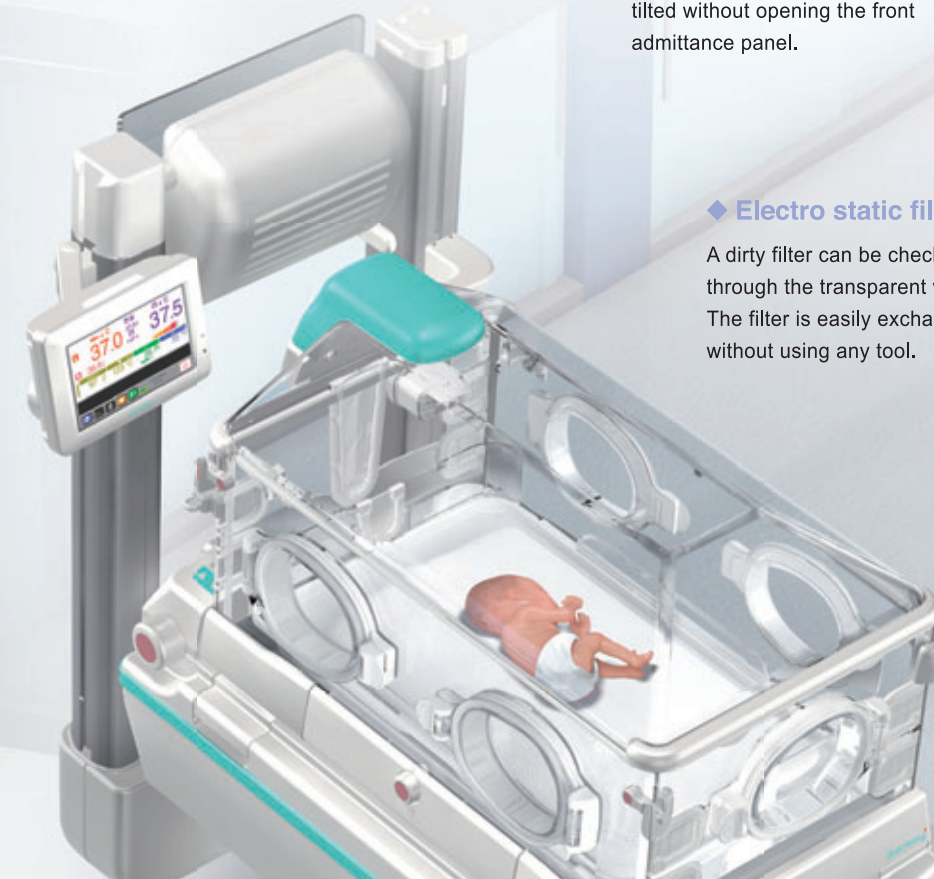
◆ Electro static filter

A dirty filter can be checked through the transparent window. The filter is easily exchanged without using any tool.



◆ Excellent visibility

Excellent visibility is available from the large transparent hood even during humidification.



Work efficiency of the medical staff is improved.



◆ **Make the utmost use of workspace around the incubator**

Peripheral equipment can be easily mounted. Data can be communicated to external devices such as bedside monitors.

◆ **Touch control panel**

Color display offers intuitive operation and easy identification of each parameter.



◆ **Trend display**

The trend display function helps identify changes in the infant's vital signs and the environment within the incubator. (Air temperature/Skin temp 1. 2./Relative humidity/Oxygen concentration/Heater output/SpO₂/Pulse rate)



◆ **Weight monitor**

The infant's weight can be measured automatically in the incubator and displayed in 1g increments.



◆ **Easily detachable humidity chamber**

The humidity chamber can be detached and easily cleaned.



◆ **Sanitary structure for thorough cleaning of the unit**

The component parts of the incubator can be detached and cleaned easily.

Developmental care

The Dual Incu i ensures noise levels are kept to a minimum, maintaining a quiet environment to minimise the infant's stress.

◆ **Rotary damper control for quieter operation of the admittance panel**

The admittance panel can be dropped down slowly and silently to reduce infant noise stress.



◆ **Snap-open access ports can be opened and closed silently**

The infant is protected from the stress of acoustic stimulation caused by opening and closing the access ports.



Superior performance as an infant warmer enhances the value of the dual-mode type incubator.

Superior performance as an infant warmer enables better medical treatment.



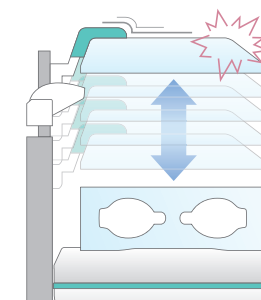
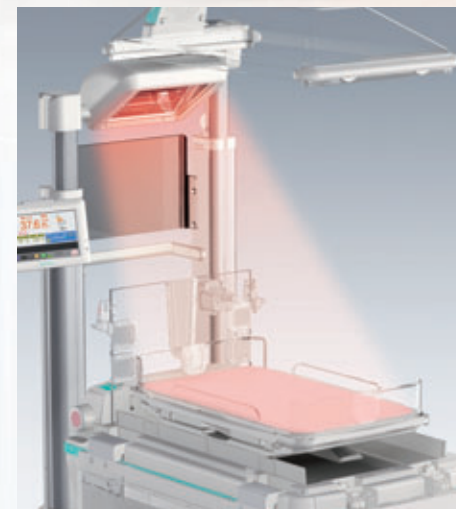
◆ Enables prompt treatment at the delivery room and NICU

◆ The functions for resuscitation are well-supported

Resuscitation can be easily performed using the optional resuscitation unit.

◆ Heating

The mattress is warmed uniformly and enables stable thermal management.



◆ Electrical canopy lift

When the canopy is moved up or down in order to change the operation mode, the operator can stop the up/down movement at any time. Furthermore, if there is any obstacle during the movement, the canopy is automatically stopped for safety reason.

Line Up

Dual Incu <i>i</i>		Atom Infant Incubator 100	
Atom's code	Description		
61600	with O ₂ Controller, for AC120V±10%		
61601	with O ₂ Controller, for AC230V±10%		
61602	without O ₂ Controller, for AC120V±10%		
61603	without O ₂ Controller, for AC230V±10%		

(add-on)	
Atom's code	Description
61615	Weight Monitor Unit
61621	SpO ₂ Unit (Masimo)
61622	SpO ₂ Unit (Nellcor)

Specifications

Power requirements	Main body:Customer specified Power consumption:800VA(Maximum)
Classification	Class I, Type BF
Temperature control (Incubator mode)	Skin temperature setting range:34.0~37.5 °C/93.2~99.5°F (servo control) 37.6~38.0°C/99.7~100.4°F (over ride) Skin temperature display range:30.0~42.0°C/86~107.6°F Incubator air temperature setting range:23.0~37.0°C/73.4~98.6°F (manual control) 37.1~39.0°C/98.8~102.2°F (over ride) Incubator air temperature display range:20.0~42.0°C/68~107.6°F Heater output:0~100% (in 10 levels)
(Infa Warmer mode)	Alarms:high temperature, set temperature, skin temperature probe Skin temperature setting range:34.0~37.5 °C/93.2~99.5°F 37.6~38.0°C/99.7~100.4°F (over ride) Skin temperature display range:30.0~42.0°C/86~107.6°F Heater output:0~100% (in 10 levels) Alarms:set temperature, baby check, skin temperature probe
Humidity control	Relative humidity setting range:40~95%Rh Relative humidity display range:15~99%Rh Maximum relative humidity:≥90%Rh Alarms:humidity sensor, low water level, no water, humidity chamber off, set humidity
Air velocity	10cm/s or below
Noise level	Approx. 41dBA (without humidification) Approx. 44dBA (with humidification)
Mattress tilting range	13°
External display	8.5 inches (TFT-LCD)
Timer (CPR Timer) (Apgar Timer)	Interval between each chime:30sec. Operation of the second counter:6sec.×2 Settings of the Apgar chime:1,3,5 and 10min.
Dimensions	Main body (with the HL stand):68(W)×119(D)×138~226(H)cm Mattress surface:80~120cm in height Mattress surface (with Weight Monitor Unit):81.5~121.5cm in height External display:24.5(W)×6.5(D)×16(H)cm Mattress:65(W)×36.5(D)×2(T)cm
Weight	Approx. 128kg Approx. 132kg (with Weight Monitor Unit)
Accessories	Skin Temp Probe, 5mm O.D. (Y).....1 Pneumoclean1 Dust Cover1 Oxygen Sensor (with O ₂ Controller)...2 Piping Connecting Hose 3m (for Oxygen) (with O ₂ Controller)...1 Operation Manual ...1

O₂ Controller

Control mode	Servo control
Setting range	22~65% (in 1% increments)
Display range	15~105%
Measurement accuracy	±2% O ₂ (15~25% O ₂) ±3% O ₂ (25~100% O ₂)
Calibration	21% O ₂
Alarms	oxygen sensor, oxygen concentration, oxygen flow rate, oxygen sensor not calibrated

SpO₂ Unit [Masimo/Nellcor] (add-on)

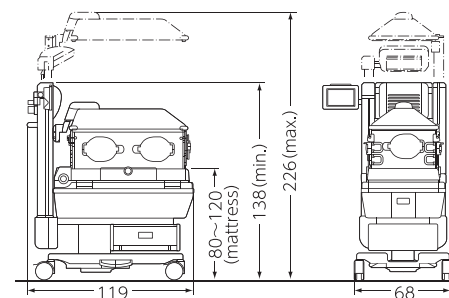
SpO ₂	Display range:1~100% Accuracy (in 70-100%)±3% Alarm function setting range: Upper limit 50~99%, OFF Low limit 45~95%, OFF
Pulse rate	Display range:25~240bpm Accuracy (in 25-240bpm) ±3% Alarm function setting range: Upper limit 80~240bpm, OFF Low limit 35~180bpm, OFF
Mode (Masimo)	Averaging time: 4, 6, 8, 10, 12, 14, 16sec. Sensitivity setting: APOD, Normal, Max FastSat: ON, OFF
(Nellcor)	SatSeconds:10, 25, 50, 100, OFF Response: Normal, Fast

Weight Monitor Unit (add-on)

Weighing	7000g
Scale interval	1g (without official Verification) 5g (with official Verification)

Dimensional drawing

Unit: cm



Manufacturer: ATOM MEDICAL CORPORATION

<http://www.atomed.co.jp>

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