CE 0123

Dual Incu*i*

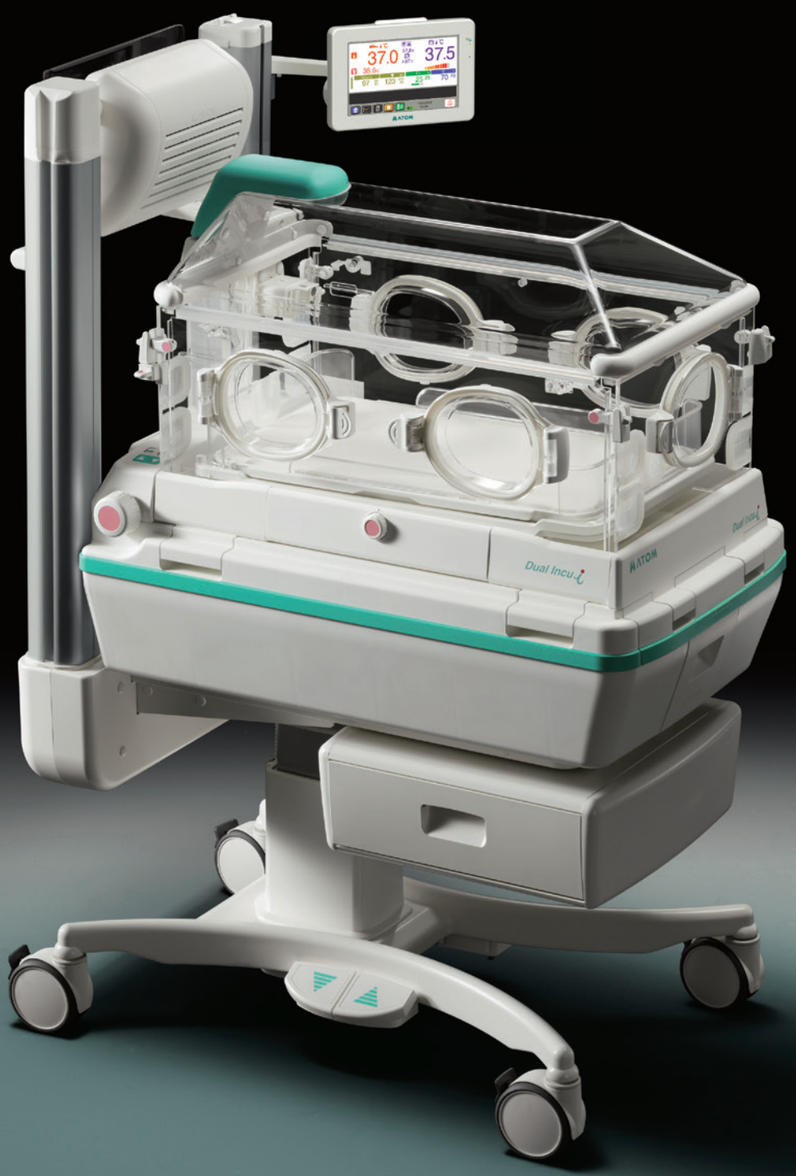
Infant Incubator



ATOM

To save a tiny baby's life

The new generation infant incubator has inherited the highest quality features and technologies at Atom Medical, 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 variety range of hospital settings through the incubator mode and infant warmer mode.

Open-care



Transport



◆ Power Pack i

Power pack i can maintain function of Dual Incu i during transportation.

Closed-care

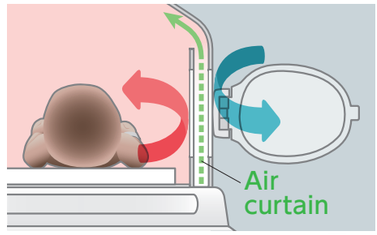


for Babies



◆ 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 as much as possible, even when the snap-open access ports are opened.



◆ Electrostatic filter

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



◆ X-Ray cassette tray port

The X-Ray cassette can be drawn out from either side of the incubator without opening the admittance panel.



◆ Mattress platform tilting function

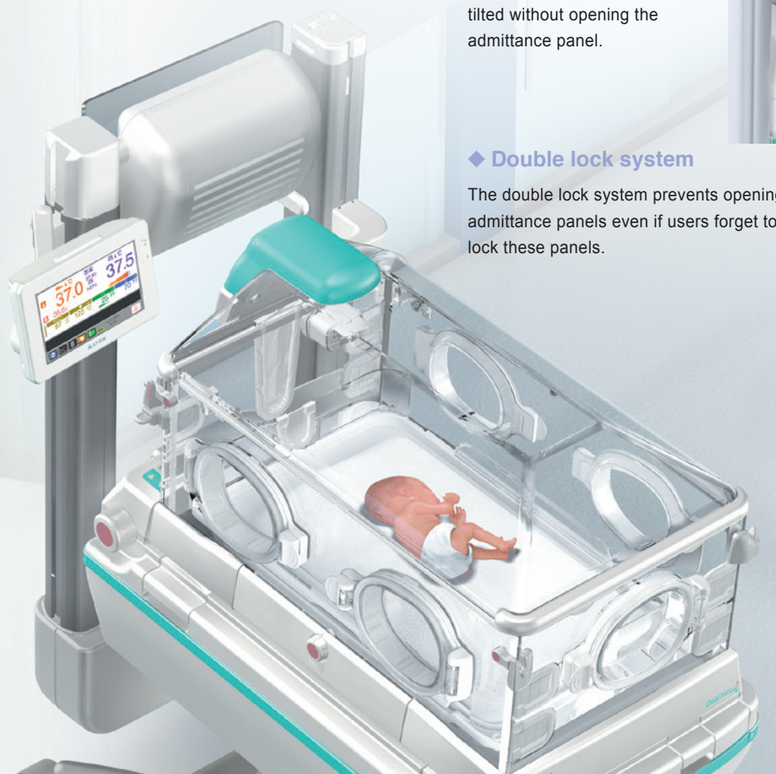
The mattress platform can be tilted without opening the admittance panel.



◆ Double lock system

The double lock system prevents opening admittance panels even if users forget to lock these panels.

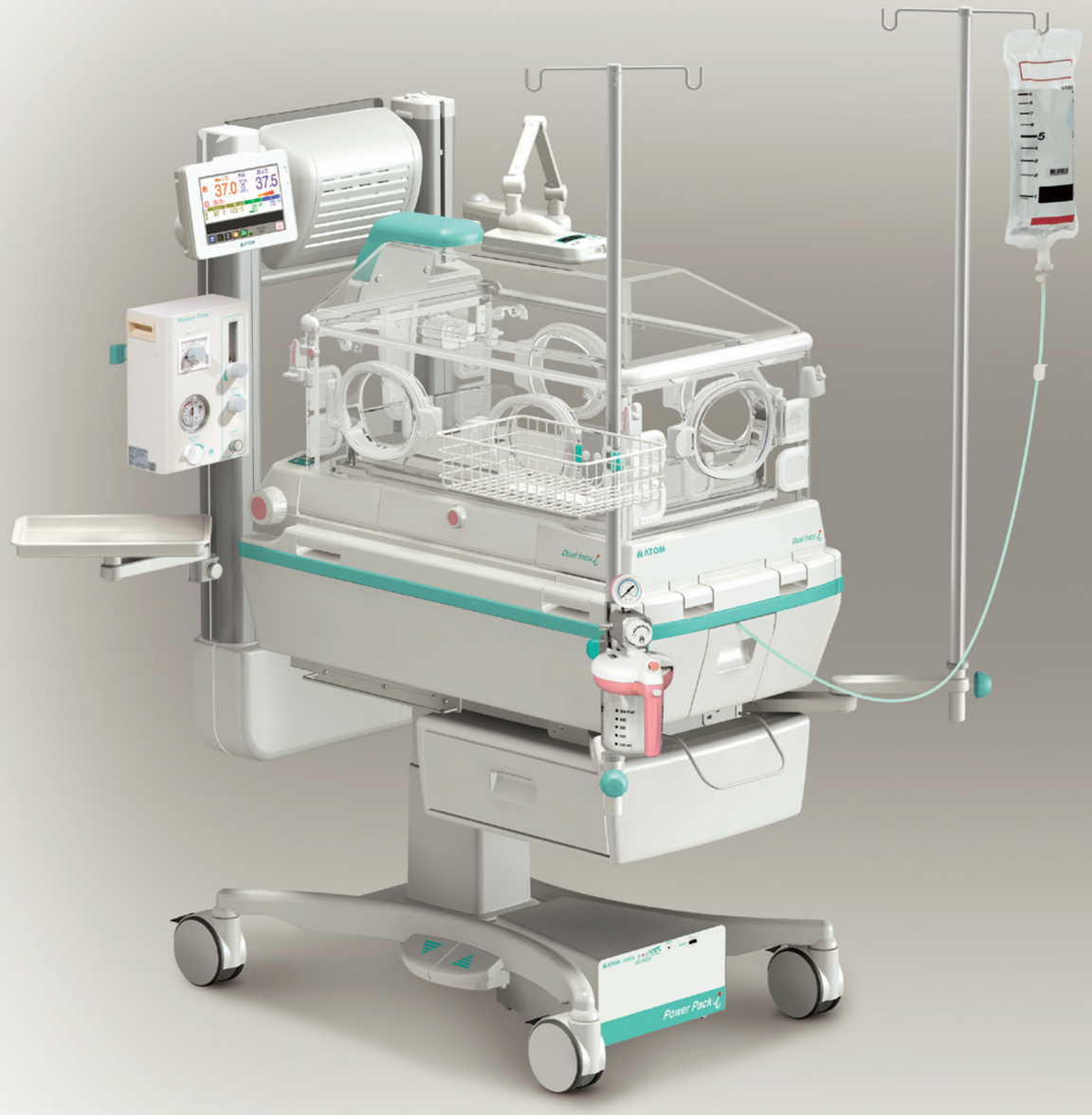




◆ Visibility

Visibility is thorough from the large transparent hood even during humidification.

for Caregivers



◆ 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.

** Please note that some products may not be available in all regions.*

◆ Touch control panel

Colour 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/SpO_2/Pulse rate)



◆ Weight monitor

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



◆ Easily detachable humidity chamber

The humidity chamber can be detached and cleaned easily.



◆ A design that allows thorough cleaning of the unit

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

Developmental care

The Dual Incu i ensures noise levels are kept low, maintaining a quiet environment.

◆ Rotary damper

Rotary damper controls quiet operation of the admittance panels so that these can be open slowly and silently.



◆ Snap-open access ports

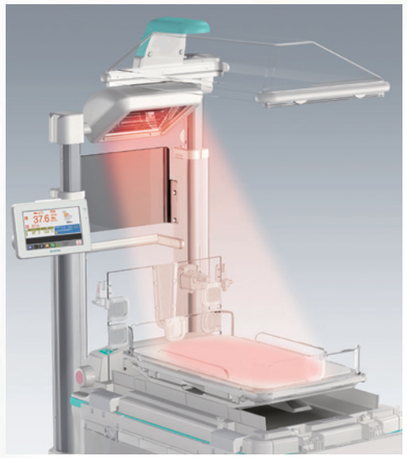
Snap-open access ports can be opened and closed silently.



◆ Enables prompt treatment at the delivery room and NICU

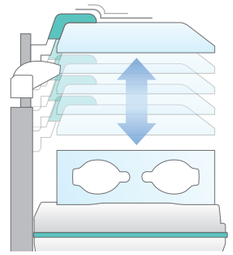
◆ Resuscitation

Resuscitation can be performed using the optional resuscitation unit.



◆ Heating

The mattress is warmed enabling a stable thermal environment.



◆ 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.

** This is an illustration.*

Products Lineup

Dual Incu *i*

Atom Infant Incubator Model 100

Main Unit

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 Unit

Atom's code	Description
61615(*1)	Weight Monitor Unit
61646(*2)	Weight Monitor Unit
61621	SpO_2 Unit (Masimo)
61622	SpO_2 Unit (Nellcor)

(*1) for all the market except for North America and China market
(*2) for North America and China market

Specifications

Power requirements	Customer specified
Power consumption	800VA (Maximum)
Frequency	50/60Hz
Type of protection	Class I
Degree of protection	Type BF applied part
Dimensions	Main body (with HL Stand) : 1190(W)x680(D)x1380~2260(H) mm Mattress surface : 800~1200 mm / with Weight Monitor Unit : 815~1215 mm in height External display : 245(W)x65(D)x160(H) mm Mattress : 650(W)x365(D)x20(T) mm
Weight	Approx. 128Kg / with Weight Monitor Unit : Approx. 132Kg
Accessories	Skin Temp Probe, 5mm O.D. ....1, Pneumoclean (Electrostatic air filter) ....1, Dust Cover ....1, Oxygen Sensor (with O_2 Controller) ....2, Piping Connecting Hose 3m (for Oxygen) (with O_2 Controller) ....1, Operation Manual 1
Incubator air temp. setting range	23.0~37.0℃ / 73.4~98.6℉ / Override 37.1~39.0℃ / 98.8~102.2℉
Incubator air temp. display range	20.0~42.0℃ / 68.0~107.6℉
Incubator air temp. display accuracy	±0.3℃
Skin temp. setting range	[Incubator mode] 34.0~37.5℃ / 93.2-99.5℉ / Over ride 37.6~38.0℃ / 99.7~100.4℉ [Infa Warmer mode] 34.0~37.5℃ / 93.2~99.5℉ / Over ride 37.6~38.0℃ / 99.7~100.4℉
Skin temp. display range	[Incubator mode] 30.0~42.0℃ / 86.0~107.6℉ [Infa Warmer mode] 30.0~42.0℃ / 86.0~107.6℉
Skin temp. display accuracy	±0.3℃
Heater output	0~100% (in 10 levels)
Relative humidity setting range	40~95%Rh
Relative humidity display range	15~99%Rh
Relative humidity display accuracy	±10%Rh
Alarms	Power failure, Fan, System, High temp., Set temp., Baby check, Skin temp. probe, Humidity sensor, Low water level, No water, Humidity chamber off, Set humidity

O_2 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

SpO_2 Unit [Masimo/Nellcor] (Add-on Unit)

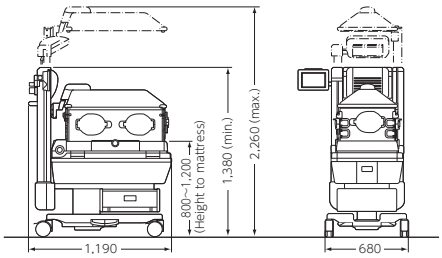
SpO_2	Display range:1~100% Accuracy (in 70~100%)±3digits Alarm function setting range Upper limit:50~99%, OFF Lower limit:45~95%, OFF
Pulse rate	Display range:25~240bpm Accuracy (in 25~240bpm)±3digits Alarm function setting range Upper:limit 80~240bpm, OFF Lower:limit 35~180bpm, OFF
Mode	Averaging time: 4,6,8,10,12,14,16sec.
(Masimo) (Nellcor)	Sensitivity setting: APOD, Normal, Max FastSat:ON, OFF SatSeconds:10, 25, 50, 100, OFF Response:Normal, Fast

Weight Monitor Unit (Add-on Unit)

Weighing range	300~7000g
Scale interval	1g

Dimensional drawing

Unit:mm



MADE IN JAPAN

Atom Medical products are produced under strict production control in Japan.
We provide value and trust of the highest quality for the tiny baby's lives in the world.

ATOM MEDICAL CORPORATION

https://atomed-global.com

Atom Medical Corporation maintains a continuing product improvement program,and therefore the equipment actually purchased and received may differ in specifications and/or configuration from that shown in the catalogue. And please note that some products may not be available in all regions.

Eng03-10 3.2022.Printed