

LAMPS

HEATING AND
PHOTOTHERAPY LAMPS

GINEVRI
70
1954-2024

MADE IN ITALY



GINEVRI
neo-tech for life

maximum flexibility for every care need

GINEVRI manufactures a wide range of phototherapy lamps, heating lamps, and lamps integrating phototherapy and heating.

01 NAOS

NAOS is designed specifically to treat neonates in incubators suffering from neonatal hyperbilirubinemia..

02 ANTARES

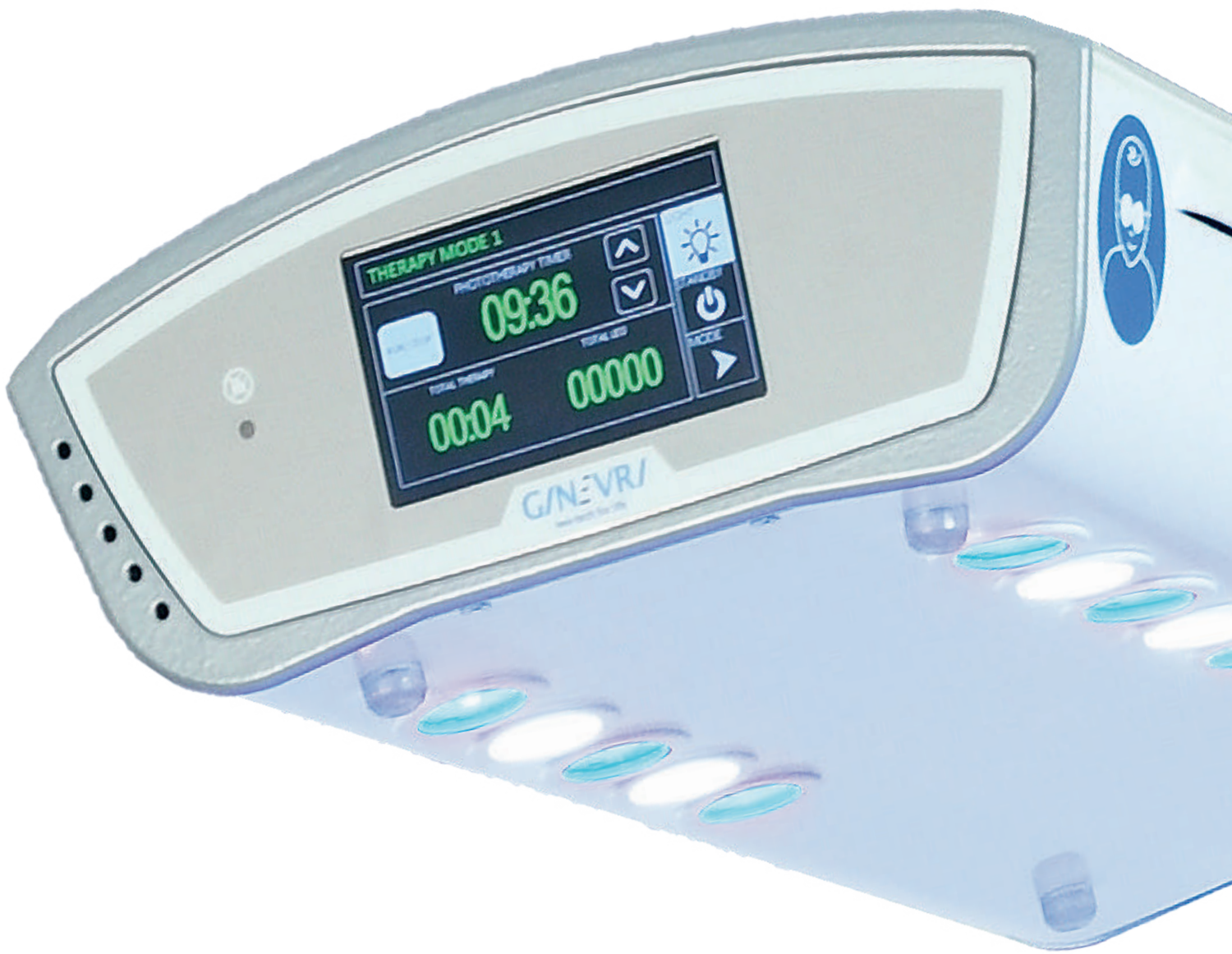
ANTARES is a smart heating lamp designed to treat hypothermic newborns. It comes with a variety of safety features.

03 ELIOS

ELIOS integrates intensive phototherapy treatment with radiant heating. It can be used both in the ward and for rooming-in.

04 MIZAR

MIZAR provides dual-intensive LED phototherapy and quartz technology for neonatal radiant heating. The patient-platform is made of soft, radiotransparent gel and it significantly reduces treatment times for hyperbilirubinemia by exposing the neonate's complete body surface.



functions at your fingertips

All GINEVRI's lamps are equipped with a control panel featuring a large **color touch display**. This not only makes the work of healthcare staff more comfortable but also contributes to a welcoming and relaxing atmosphere for both the neonate and parents.

GINEVRI phototherapy treatment lamps use Blue Power LED, the best technology to maximize bilirubin metabolism and meet the requirements set by the American Academy of Pediatrics (AAP). The optical elements are highly directional to minimize exposure of other patients and healthcare staff to LED light.



GINEVRI is dedicated to the health and well-being of the newborn. We achieve this through our commitment to technological innovation, which ensures that our products are always in line with the latest developments in clinical research.

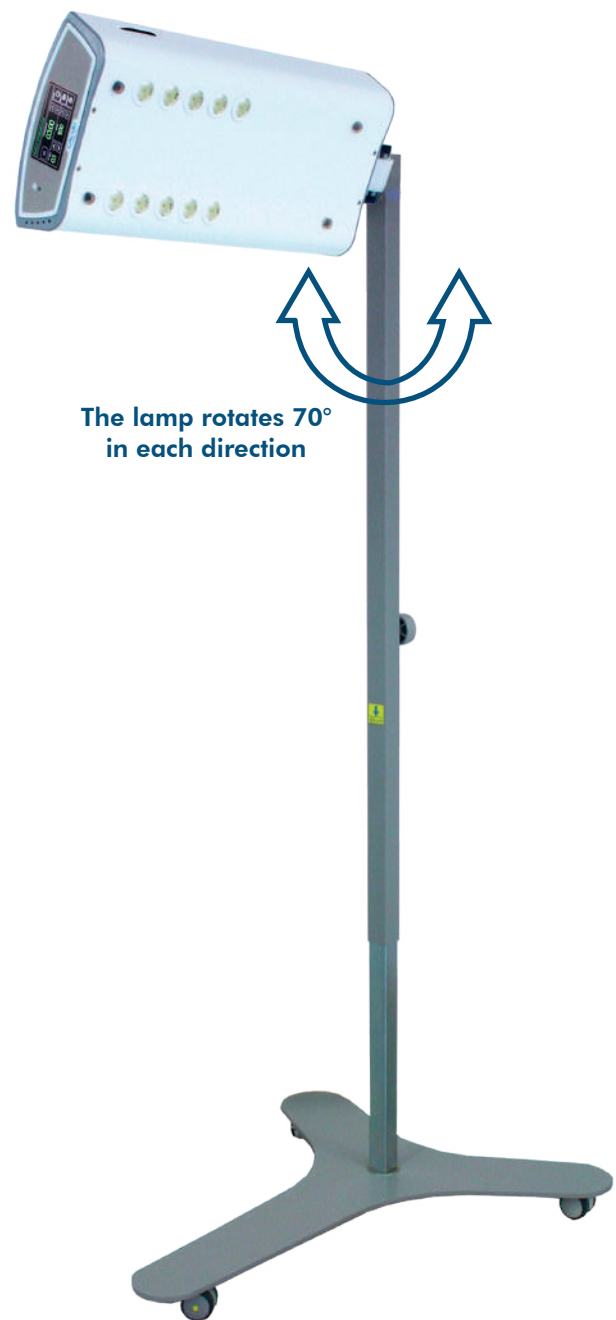


Focus on excellence

To create a product that not only offers excellent clinical performance but also meets the needs of healthcare professionals, it is essential to design every detail and seek out the best the on the market.

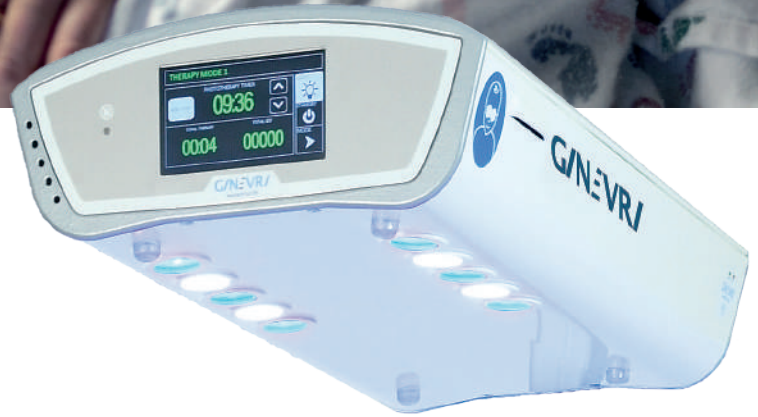
That's why GINEVRI only uses fully finest materials and pays particular attention to the structural features of its equipment.e:

- **The overhead fixture** of GINEVRI lamps is made from lightweight alloy and stove-enameled to achieve a smooth, easily cleaned surface.
- **The optional stand** for ANTARES, NAOS, and ELIOS is made of chrome-plated steel. Adjusting the height of the lamp is made fluid, fast and safe by an internal piston that protects against accidental knob release. An articulated joint allows the lamp to be tilted for greater flexibility.
- **The anti-tipping base** is made of stove-enameled steel. Its Y-shape with three swiveling wheels enables the lamp to be placed comfortably over cribs, changing tables, and incubators, even in confined spaces.





NAOS for the smallest patients

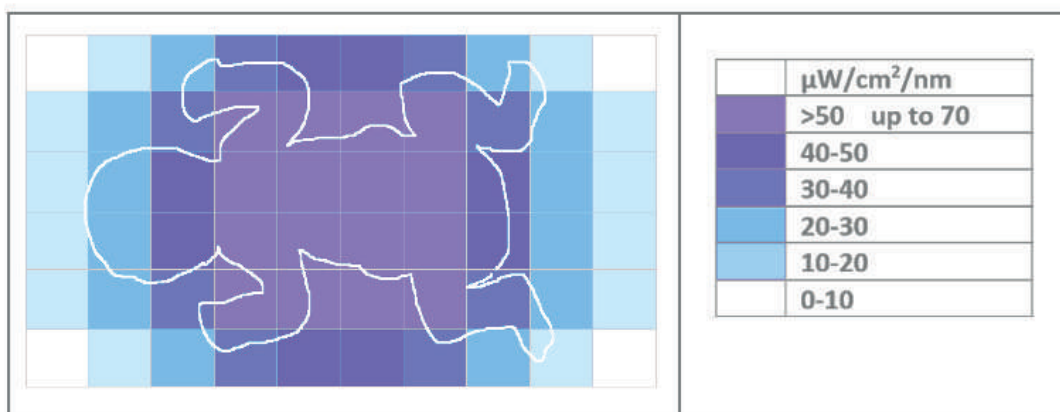


The new NAOS lamp is equipped with 6 Blue Power LEDs for the treatment of neonatal jaundice, emitting light energy with a wavelength centered around 455nm in accordance with the guidelines of the American Academy of Pediatrics (AAP).

Patient irradiation occurs from above, covering an area large enough for a full-term newborn. The LEDs are equipped with a lens that ensures high directionality of the emitted energy.

NAOS also features 4 white Power LEDs to illuminate the patient. Note that these lights can add to the power of the Blue LEDs for bilirubin breakdown as their white light includes ~455nm wavelengths.

The distribution the irradiance of GINEVRI phototherapy lamps across the patient area is shown here. The reduced irradiance in the periphery of the patient area limits the exposure of other patients and healthcare staff to LED light.



TRANSPORT HANDLES

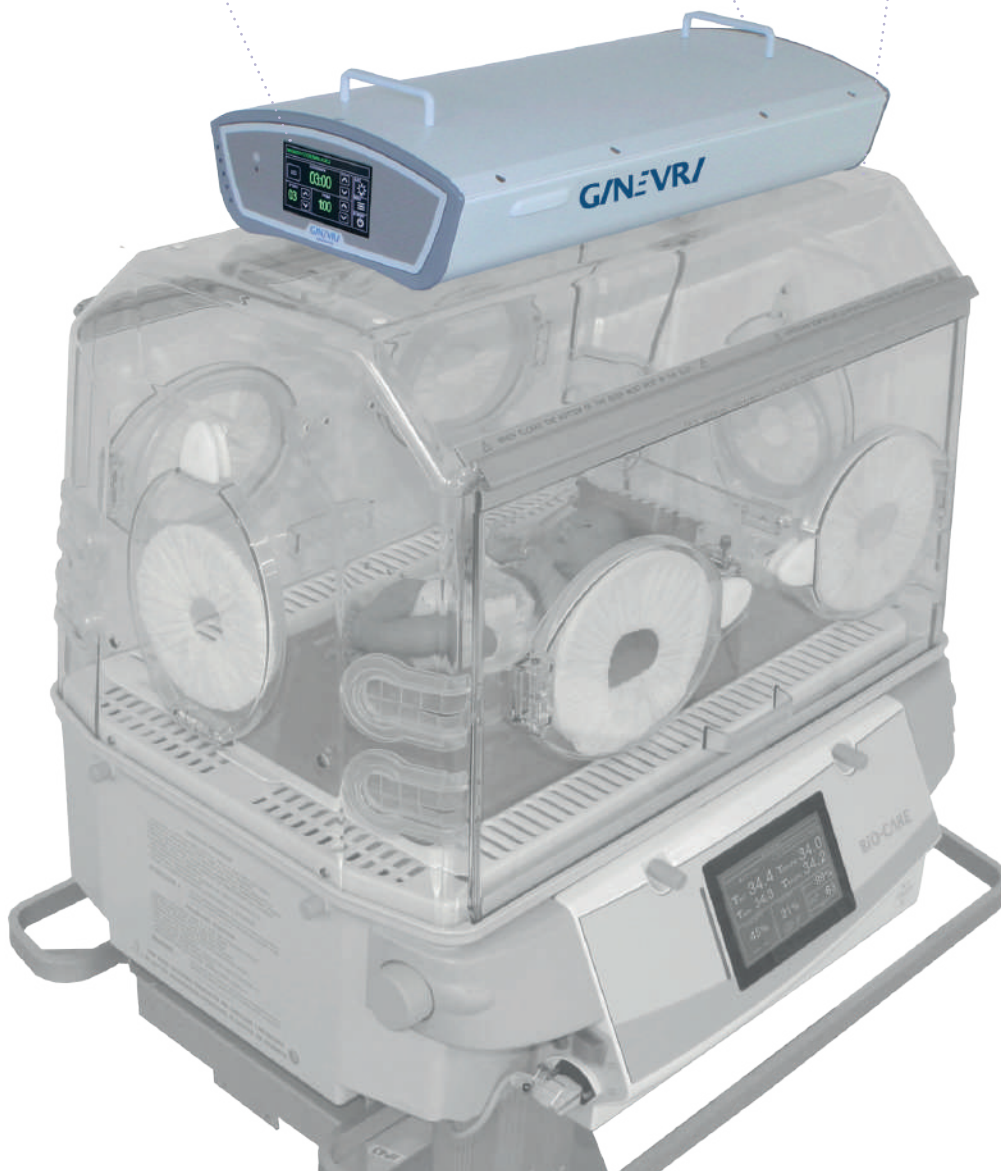
Ergonomic handles for secure movement

LARGE TOUCHSCREEN DISPLAY

4.3-inch touchscreen control panel for rapid control

NON-SLIP RUBBER FEET

The soft, non-slip rubber feet allow you to place the lamp directly on the incubator hood



One-touch configuration for EASY, TIMED and CYCLES therapy modes. Manage multiple therapy cycles and control illumination from the control panel. The automatic shutdown makes using NAOS even more convenient and practical.



ANTARES

Simple and versatile for comfort and safety.

Providing an environment where body temperature can be controlled after birth is one of the most crucial aspects to ensure an optimal outcome for premature newborns' treatment.

ANTARES is a heating lamp with quartz resistance for infrared rays, designed for the treatment of hypothermic newborns. In the innovative, elegantly painted lightweight lamp head unit, 4 halogen lamps are integrated, allowing proper patient surface illumination in any usage context.

Thanks to the adjustable height stand and anti-tipping base, ANTARES is a highly versatile lamp that can be safely positioned on cribs, changing tables, or neonatal care benches. The swiveling wheels with brakes also ensure easy maneuverability during transfers from one environment to another, even in confined spaces.

The neonate's temperature is continuously monitored by a highly reliable and precise skin probe, which, thanks to the microprocessor, ensures heating intensity proportional to the small patient's needs.

To assist healthcare professionals in working safely and confidently, ANTARES is equipped with a large color touchscreen display with a complete set of visual and acoustic alarms. This allows for constant monitoring and control of not only the neonate's temperature but also all operational parameters and the selected heating mode.

Compared to other lamps that only have heating functions, ANTARES offers two important additional modules that make it a versatile and safe device even in emergency situations:

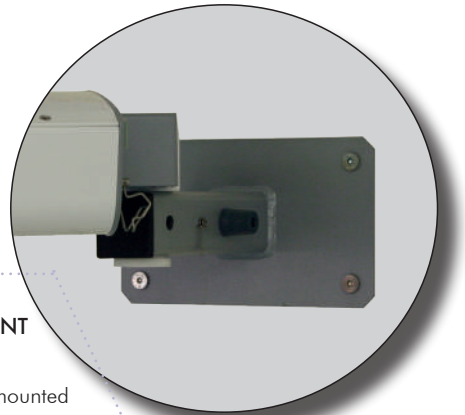
- ✓ **The APGAR module helps determine the patient's APGAR score by emitting audible and visual alerts at 1, 5, and 10 minutes.**
- ✓ **The CPR (Cardiopulmonary Resuscitation) module activates an audible alert to assist operators in synchronizing cardiopulmonary resuscitation on the neonate.**

LARGE TOUCHSCREEN DISPLAY

4.3-inch touchscreen control panel for rapid control

WALL-MOUNTED WITH A 90° PIVOT JOINT (optional):

ANTARES can be wall-mounted using the optional 90° pivot joint, to optimize orientation



WHITE LED

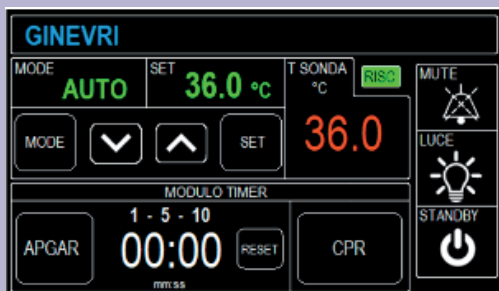
4 halogen lamps ensure proper patient surface illumination



**Longitudinal
Rotation
± 90°**

HEATING ELEMENT

Infrared Heating Element (350W)



CONTROL PANEL: 4.3-inch touchscreen with APGAR and CPR modules



ELIOS

heat and phototherapy in one device

ELIOS integrates intensive phototherapy with heat treatment. The lamp is designed to be easily and safely placed over a crib, a changing table and even an incubator (with the heating turned off). This flexibility is made possible by its robust height-adjustable steel stand and anti-tipping base equipped with swiveling wheels.

ELIOS overhead unit is equipped with:

- **6 highly directional (30°) Blue Power LEDs for phototherapy. The LEDs have a wavelength of 425-475nm, with a peak wavelength of 455nm, following the guidelines of the American Academy of Pediatrics (AAP).**
- **4 white Power LEDs to illuminate the patient. However, these lights can add to the power of the Blue LEDs for bilirubin breakdown as their white light includes ~455nm wavelengths. The white LEDs allow optimal monitoring of the patient.**
- **1 quartz resistance for infrared rays, servo-controlled by the skin probe.**

The control panel allows easy access to all lamp functions. Phototherapy, heating, or simple illumination can each be selected with a simple touch. EASY, TIMED or CYCLED therapy modes are easily conjured, and operators can choose whether to integrate phototherapy with heating.

LARGE TOUCHSCREEN DISPLAY

4.3-inch touchscreen control panel for rapid control

BLUE LED

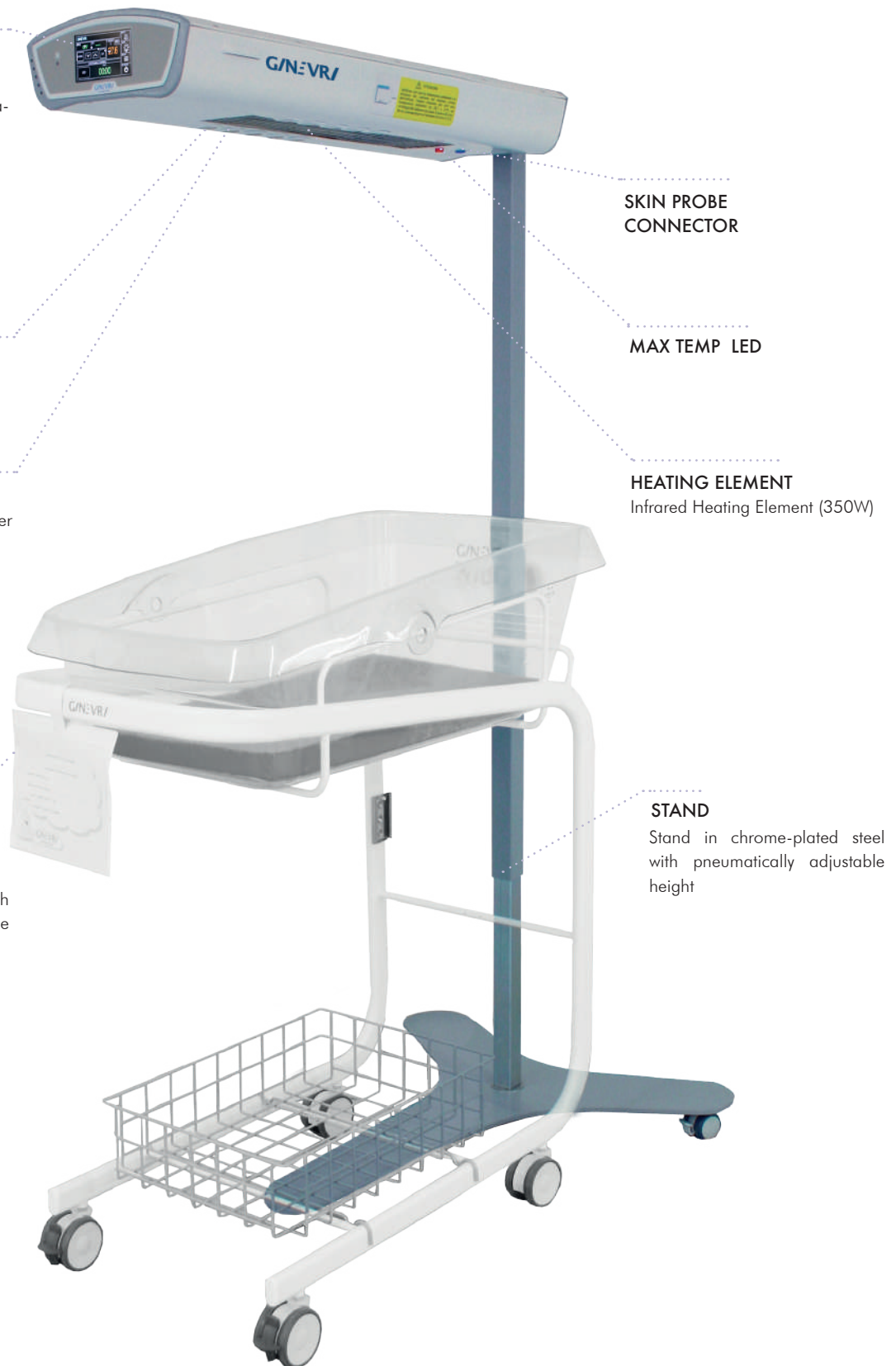
6 power led used for phototherapy

WHITE LED

4 halogen lamps ensure proper patient surface illumination

CRIB (optional)

Elios is designed to be used with the GINEVRI crib, which can be purchased separately.



SKIN PROBE CONNECTOR

MAX TEMP LED

HEATING ELEMENT
Infrared Heating Element (350W)

STAND
Stand in chrome-plated steel with pneumatically adjustable height

ELIOS is designed for convenience and flexibility. Having two functions in one device maximizes productivity and reduces operating costs.



MIZAR

three devices in one, saving cost, space and time



MIZAR provides dual-intensive LED phototherapy and quartz technology for neonatal radiant heating with exceptional performance. It is designed to integrate many functions in one single device.

MIZAR provides exceptionally efficient phototherapy, which has the double advantage of reducing hospital stay and returning the child to the mother faster.

MIZAR is equipped with: :

- **12 directional Blue Power LEDs (30°) – 6 provide overhead heating from the head-unit and 6 heat from the under-crib unit; the two units can work separately. The LEDs have a wavelength of 425-475nm, with a peak wavelength of 455nm, following the guidelines of the American Academy of Pediatrics (AAP).**
- **4 white Power LEDs for illumination. However, these lights can add to the power of the Blue LEDs for bilirubin breakdown as their white light includes ~455nm wavelengths. The white LEDs allow optimal monitoring of the patient.**
- **1 quartz resistance for infrared rays, servo-controlled by the skin probe.**

The patient platform consists of a translucent polyester crib and a translucent anti-decubitus mattress, which are designed to allow the blue light to pass through from the under-crib unit. The steel stand is equipped with a storage tray and the 4 large swiveling wheels allow for easy movement of the lamp making MIZAR sturdy and easy to move around.

LARGE TOUCHSCREEN DISPLAY

4.3-inch touchscreen control panel for rapid control

BLUE LED

6 Power LEDs used for phototherapy

WHITE LED

4 white Power LEDs for illumination

UNDER-CRIB UNIT

with 6 Blue Power LEDs that can be used separately to the overhead unit

STORAGE TRAY

SKIN PROBE CONNECTOR

MAX TEMP LED

HEATING ELEMENT
Infrared Heating Element (350W)

STAND

CRIB
translucent polyester incubator crib

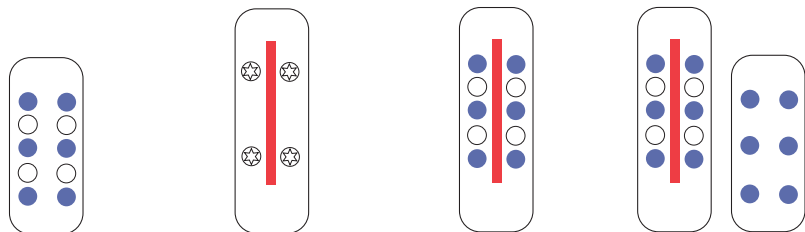
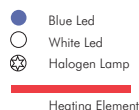




GINEVRI equipment is designed to optimize healthcare professionals' productivity, ensuring significant savings in time, space, and costs



The best option for you



MODEL	NAOS	ANTARES	ELIOS	MIZAR
CE- mark (Medical Devices)	YES	YES	YES	YES
Class (MDD)	IIA	IIB	IIB	IIB
Therapy	Phototherapy lamp	Heating lamp	Phototherapy and Heating lamp	Dual phototherapy and heating lamp
Stand with adjustable height pneumatically assisted with rotation of 140°	Optional	Optional	YES	NO
Adjustable wall support for lamps with rotation of 180°	Optional	Optional	NO	NO
Fixed-height stand equipped with baby crib	NO	NO	NO	YES
Phototherapy lamp	6 Power LEDs	NO	6 Power LEDs	6 + 6 Power LEDs
Total irradiation for bilirubin from 420 to 480 nm [$\mu\text{W}/\text{cm}^2/\text{nm}$]	50 (at 45 cm)	NO	50 (at 45 cm)	from top 30 (at 90cm) from bottom 50 (at 25 cm)
Power LED duration in hours	20000	NO	20000	20000
Phototherapy area in cm^2 (in2) at 80cm of distance	60x35 (24x14)	NO	60x35 (24x14)	60x35 (24x14)
Lighting	4 White Power LEDs	4 Alogene x 20W	4 White Power LEDs	4 White Power LEDs
Warming Lamp	NO	350W Quartz	350W Quartz	450 W Quartz
Servo-Controlled temperature	NO	Automatic and Manual	Automatic and Manual	Automatic and Manual
Patient Temperature Set °C	NO	Digital, 28-38°C	Digital, 28-38°C	Digital, 28-38°C
Patient Temperature Reading °C	NO	Digital, 15-50°C	Digital, 15-50°C	Digital, 15-50°C
Colour Display Touch Screen 4,3"	YES	YES	YES	YES
Timer for Partial/Total therapy cycles	YES	NO	YES	YES
Alarms	NO	Acustici e visivi	Acustici e visivi	Acustici e visivi
APGAR + CPR monitor with alarms	NO	YES	NO	NO
Power supply	230V 50 Hz	230V 50 Hz	230V 50 Hz	230V 50 Hz
Maximum Power Absorption	100 W	525 W	500 W	550 W
Silent cooling fan	YES	YES	YES	YES
Safety Class	I	I BF	I BF	I BF
Overhead Fixture Dimensions, cm (in)	28x12x64 11x4.7x25)	28x12x88 (11x4.7x35)	28x12x88 (11x4.7x35)	28x12x88 (11x4.7x35)
Machine height from ground, cm (in)	50-180 (59-71) optional	150-180 (59-71) optional	150-180 (59-71)	180 (71)
Size, m2 (ft2)	0.5 (1.6)	0.7 (2.3)	0.7 (2.3)	0.5 (1.6)
Diameter of wheels, cm (in)	5 (2) con freno	5 (2) con freno	5 (2) con freno	5 (2) con freno
Weight, kg (lb)	6 (13)	7 (15.4)	18 (39.7)	36 (79.4)

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G/NEVRI

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Quality System
ISO 9001:2015
ISO 13485:2016

