S S Technomed (P) Limited
(AN ISO 9001:2008 & 13485-2003 CERTIFIED COMPANY)

SUNSHINE SINGLE SURFACE
PHOTOTHERAPY UNIT (LED)

Made in India
SUNSHINE SINGLE SURFACE PHOTOTHERAPY UNIT (LED)

In the new born period i.e. birth to one month, jaundice can pose a serious problem, because high level of the bilirubin, which is not water soluble, can be decomposed to a harmless metabolic which is water soluble, does not cross blood brain barrier and is rapidly excreted in the bile and urine and so does not accumulate. This has been achieved by exposing the infant to bright light (approximately 4.5 micro watts/sq cm/nm) in the range of 420-480 nm wave length by use of conventional phototherapy unit has been one of SS TECHNOMED most important focus in the field of neonatology for many years. In order to remove the limitation of fluorescent and CFL tubes, SS TECHNOMED has utilised long lasting, durable, more efficient and cost effective LEDs with more than double the flux as against what is radiated from conventional, fluorescent and CFL, for jaundice treatment.

Technical Specification:

PARAMETER:
- LED 9-12 hi power LEDs (blue)(white LED optional)
- Irradiance >42 mw/cm2/nm at 30cm
- Light source lifetime minimum 25,000hrs.
- Less than 10% change in illumination after 25,000hrs (irradiance)
- Wavelength 420-480 nm
- Variation in intensity for 6 hours <10%
- Effective area 50 cm x 30 cm.

Electrical:
Input voltage 100-240 V, 50-60Hz

Dimensions:
Led box:
Front : 18” (L)x 10” (w) x 3” (H)  Backside : 18” x 8.5” x 3”
Height (adjustable)
Min : 1230 mm  Max : 1600 mm
Length -800mm  Width -720 mm

Double Surface Phototherapy Unit:
It is a combination of over head phototherapy Unit and undersurface Phototherapy with Baby Bassinet.

Optional:
- LCD Digital Timer for lamp usage hours and patient exposure
- X-ray Cassette guide facility.
SUNSHINE DOUBLE SURFACE PHOTOTHERAPY UNIT (LED)

In the new born period i.e. birth to one month, jaundice can pose a serious problem, because high level of the bilirubin, which is not water soluble, can be decomposed to a harmless metabolic which is water soluble, does not cross blood brain barrier and is rapidly excreted in the bile and urine and so does not accumulate. This has been achieved by exposing the infant to bright light (approximately 4.5 micro watts/sq cm/nm) in the range of 420-480 nm wavelength by use of conventional phototherapy unit has been one of SS TECHNOMED most important focus in the field of neonatology for many years. In order to remove the limitation of fluorescent and CFL tubes, SS TECHNOMED has utilised long lasting, durable, more efficient and cost effective LEDs with more than double the flux as against what is radiated from conventional, fluorescent and CFL, for jaundice treatment.

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Input voltage 100-240 V, 50-60Hz

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- Front: 18” (L) x 10” (W) x 3” (H)
- Backside: 18” x 8.5” x 3”
- Height (adjustable)
- Min: 1230 mm
- Max: 1600 mm
- Length -800 mm
- Width-720 mm

**Double Surface Phototherapy Unit:**

It is a combination of over head phototherapy Unit and undersurface Phototherapy with Baby Bassinet.

**Baby Bassinet:**

- Clear Collapsible fold down side panels
- Baby Tray with Transparent base for Undersurface Phototherapy usage.
- Lower Shelf
- Movable Castors
- Undersurface LED Phototherapy
- Same as over head placed under the bassinet.

**Optional:**

- LCD Digital Timer for lamp usage hours and patient exposure
S S Technomed (P) Limited
(AN ISO 9001:2008 & 13485-2003 CERTIFIED COMPANY)

SUNSHINE PHOTOThERAPY UNIT

(MODEL: CFL DOUBLE SURFACE)

(MODEL: CFL SINGLE SURFACE)

MADE IN INDIA

CE

UKcert Certification & Inspection

Certificate no.: UG 5925

ISO 10977

Certificate no.: IN109848B

ISO 14001:2015
SUNSHINE PHOTO THERAPY UNIT (MODEL: CFL DOUBLE SURFACE)

In the new born baby i.e birth to one month, Jaundice can pose a serious problem, because high level of the bilirubin can permanently damage the brain. The indirect bilirubin, which is not water soluble can be decomposed to a harmless metabolic, which is water soluble, does not cross blood brain barrier and is rapidly excreted in the bile and urine and so does not accumulate. This is achieved by exposing the infant to bright light (approx. 4.5 micro watts/sq.cm/nm) in the range of 420 to 480 nm wavelength.

About CFL Phototherapy

The CFL Phototherapy Unit occupies very little bed side space providing ease during observation. The unit is mobile, mounted on 4 castors i.e 2 with brakes & 2 without brakes. The base of the unit conveniently goes beneath a bed or a trolley and can also be adjusted with the warmer/Incubator. The Chokes are fitted at the base to decrease the heat generation in the tube unit thus giving an added protection to the unit.

Compatibility

The tube unit can be adjusted up/down by the mechanism provided in the pillar. Protection is provided against free fall of the unit by adding a big screw at the back, thus making it compatible to fit over an incubator or baby cot etc.

Baby Bed (Comes with undersurface Phototherapy Unit)

Baby bassinet comes with fold down / drop down panels and a big shelf. Facility of head down position on both sides is also given. Under surface phototherapy unit has 4 blue & 2 white CFL and is fitted at a distance of 300mm from baby bed (adjustment level is optional).

CFL Module

The lamp unit is made of light weight material, has 4 nos of blue light tubes with higher intensity of light in therapeutic range and 2 nos of white light tubes. CFL tubes last longer than ordinary tube light, requires less frequent replacement (subject to working conditions). The unit is fitted with special mirror coated reflectors for better reflection. Also has fold up facility during inspection of neonates or storage and angle folding facility for using along with radiant warmer.

Heat Dissipation

A fan is provided at the top cover for efficient heat dissipation with concealed wiring inside the unit.

Optional Accessories

- I.V. Stand (adjustable).
- Digital hour meter with dual display of hours i.e. one for the total tubes usage & other for individual baby usage with reset facility.
- Automatic voltage corrector with high & low voltage cut off.

SUNSHINE PHOTO THERAPY UNIT (MODEL: CFL SINGLE SURFACE)

Mobile Stand with height adjustment facility along with easy swivelling of source box. Unit can be used along with Infant Care Trolley, Radiant Warmer and Incubator.

- 4 Special Blue CFL Tubes
- 2 Daylight CFL Tubes
- Digital Timer for Lamp Usage Hour and Patient Exposure
- Source Cooling Fan
- Mirror Coated Reflector
- Stand movable on Castors.

Technical Specifications are subject to change without prior notice. As manufacturers we reserve the right to change / modify any/all the specifications due to philosophy of continuous upgradation.
TRANSPORT INCUBATOR (MODEL : INC-TRP)

Control Panel
The controller features a display that is easy to read at any angle during transport. Display for air and skin temperature help you maintain, control and provide essential information about the infant’s thermal support. Microprocessor controlled system with air and skin modes of operation. Display both temperatures i.e. Air/Skin temp along with Set temp. Soft touch operation with digital display and extensive alarms.

Alarms
- Skin temp low / high
- Probe failure
- Low battery
- Power failure
- System Failure
- Timer
In case of high temperature i.e. above 38°C, heater automatically cuts off thus ensuring baby’s safety. Can be used on manual mode as well.

Collapsible Stainless Steel Stand
With 2/4 no. gas springs for ambulance and in hospital transport purposes. Gas spring system allow the stand to collapse when the lever is pulled and trolley is pressed from both the sides.

Performance characteristics
Temperature set range : 32°C- 39°C
Temp variability : 1.0°C
Temp uniformity : 1.0°C
Air filter : removes airborne particles & dust

Easy Access
Quick and easy access through the side access door and front port holes. The side door folds down and the matteress retracts out from the hood to access for emergency procedures. The door and tubing ports offer ventilator tubing support. Infant restraint strap attached to the baby bed.

Power Source
Transport incubator operates on AC or DC power using AC when available or switching to its internal battery when necessary
Battery : The batteries used in the system are 12 volt 18Ah. Sealed maintenance free VRLA batteries.
Charge Time : 8-10 hrs. per battery from full discharge.
Hood options : Standard single wall / double wall hood (on demand).
Chassis Body : Plastic (fibre) to shock proof the system

Standard Features
- Single wall Hood
- Skin temperature probe / Air temp. Probe
- 2 access doors
- 1 baby belt
- Collapsible trolley

Optional
- Examination lamp
- 2 disposable infant restraint straps
- 1 iris port
- 6 tubing ports
- Accessory shelf
- Suction, Oxygen cylinder, pressure regulatory assembly, Flow Meter, Remote Controlled movement of the Trolley.

Control Displays
Battery condition status : single led indication of low battery condition on the side panel
Power mode : illuminates AC, DC or external DC
Air/Baby temp °C : displays incubator air temp / baby temperature

Dimensions in inches (Approx.)
- Height without hood : 39" Weight : 75kg
- In collapsible stand mode : 29" Backup : 60-90mns
- height with hood : 49" Size of Castors : 5" PU
- Width : 23" Sealed maintenance free battery : VRLA Batteries
- Length : 53" Charge time : 10hrs.(Approx.)

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Website : www.sstechnomed.com
Baby Incubator (INC 1723)

The temp. controlled unit is operated by advanced micro computer technology.
The three digital display indication provide the Set Temperature, Air Temperature and Skin Temperature.
Two function control modes provide the clinician more flexibility while optimizing the thermal environment.
In addition the skin temperature is display is larger than the set / air temperature display.
The removable heater and control unit make it easy to clean and service.
Full visibility & accessibility of the baby is provided by the designed acrylic hood.
A full complement of alarm provides safety convenience, with both audible and visual indicators:
- Probe Failure
- Power Failure
- High Temperature • Low Temperature
- Skin Temperature display can be converted from C to F by push of a button.
- A big LCD is provided for more specific information & visualization of the heater power in different modes.
- The High & Low Temperature alarm setting can be adjusted according to the patient condition.
- Humidification is provided with the help of two water trays provided at the back of the unit.
- Three side trays provided at the bottom of the unit to keep consumables.
- The unit rests on four big castors with brakes in the front castors.
Optional: Oxygen Delivery System, Electric Slow Suction, CFL Phototherapy
INFANT RADIANT WARMER
(MODEL: TIANA™ - NW)
INFANT RADIANT WARMER (MODEL : TIANA™ - NW)

Advance micro processor controlled system with self check on the electronic circuitry Skin / Manual control. Digital Display of Baby Temperature / Set Temperature. Manual / Servo two function control modes provide the clinician more flexibility while optimizing the thermal environment. The Spacious baby bed incorporated easily drop down sides for maximum access to the baby. The Control Panel is also the heart for a completely integrated alarm system with both audible and visual indicators in the event of

- Probe Fail
- Skin High
- Skin Low
- Power Fail

**Manual Mode**

Facility of converting the warmer from servo mode to manual mode for non-stop working. The heat in the manual mode is locked at 50% to give more protection for the baby.

**Heater Assembly**

The Heater assembly located above the center of the support structure consists of radiant heater and reflector with inbuilt halogen examination lamp for assessment of infant color. The heater can be swivelled to either direction.

**Baby Bed**

The attached spacious baby bed incorporates easy drop down glasses for maximum access to the patient.

**Castors**

The system is fitted with 2" high quality castors having brakes in front 2 castors. Antistatic castors can be fitted as an option for further safety in lieu of the standard castors.

**Dimensions(Approx.)**

Technical Specification
- Height: 1920mm
- Length: 890mm
- Width: 860mm

**Electrical Specifications**
- Power Supply: 220V/50Hz
- Heater Power: 650 Watts
- Fuse: 5 Amp

**OPTIONAL**

- Undersurface LED Phototherapy

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Website: www.sstechnomed.com

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INFANT RADIANT WARMER

MODEL: TIANA™ - S

S S Technomed (P) Limited
(AN ISO 9001:2008 & 13485-2003 CERTIFIED COMPANY)

Feel Safe

India's Leading Manufacturer of Pediatric Equipments

CE
16937

UKcert
Certification & Inspection
Certificate no.: UQ-5875
IIES 601-2 21 1904-92

ISO 10651-1:1993

Certificate no.: UQ-5877

ISO 14001:2015

Certificate no.: IN109849B

CDG INSPECTION LTD
Certificate no.: UQ-57202
INFANT RADIANT WARMER (MODEL: TIANA™ - S )

The digital, micro processor - based controller comes with a full spectrum of features. Two function control modes provide the clinician more flexibility while optimizing the thermal environment. Dual digital temperature displays allow easy visualization of patient temperature and set point.

Control Panel

The Tiana™ - S Infant Radiant Warmer comes complete with automatic manual /baby (Servo)/Air modes. In addition, the Skin/Air temperature display is larger than other set temperature display. Skin temperature display can be converted form °C to °F by the push of a button. A big LCD is provided for more information and visualizations of the heater power in manual and servo modes. A full complement of alarms provides safety and convenience, with both audible and visual indicators in the event of:

- High Temp./Low Temp.
- System Fail
- Probe Failure
- Power Failure
- Timer
- Heater fail / ON (Optional) only visual alarm provided

Heater Assembly

The Parabolic heater assembly located above the centre of the support structure consists of an integral examination light and a 650 watts heating system (Silica or quartz /Ceramic Heater) for quick warming and even distribution of heat on the baby bed. The heater can be swivelled in either direction for taking X-ray and doing procedures.

Air Mode (Optional)

The system comes with air sensor. This is added security cover with exclusive feature of switching OFF the heater in case the AIR temperature goes above 39°C irrespective of what the skin temperature is at the time of event.

Manual Mode

The system automatically starts heating from 40% in manual mode and the same can be changed through settings up to 100%. The system automatically converts from servo mode to manual mode in case of probe failure thus providing nonstop working of the unit.

Baby Bed

The spacious baby bed incorporates easy drop down/ fold down glasses for maximum access to the patient. Optional: X-Ray facility is provided below the baby bed for taking X-ray of the baby without disturbing.

Additional Features

If needed the unit can be programmed by the user itself for any of the following features:

(a) Count Up / down Timer.
(b) Check baby Alarm.
(c) Pre warming mode.

Castors

The system is fitted with 4" high quality castors having brakes in front 2 castors. Antistatic castors can be fitted as an option for further safety in lieu of the standard castors.

Optional : The system comes with check baby alarm (1 - 120min.)

Dimensions(Approx.)

<table>
<thead>
<tr>
<th>Technical Specification</th>
<th>Electrical Specification</th>
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<tbody>
<tr>
<td>Height- 1850mm</td>
<td>Power supply - 200V / 50Hz</td>
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<tr>
<td>Length- 1050mm</td>
<td>Heater Power - 650 Watts</td>
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<td>Width- 650mm</td>
<td>Fuse - 5 Amp.</td>
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</table>

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INFANT RADIANT WARMER (MODEL: IRW 1723)

Advance micro processor controlled system with self check on the electronic circuitry skin / Air Manual control.
Digital display of baby temperature.
Manual / Servo control modes provide the clinician more flexibility while optimizing the thermal environment.
In addition the skin / Air temperature display is larger than the other set temperature display.
Skin temperature can be converted from Celsius to Fahrenheit by the push of a button.
The spacious baby bed incorporates easy drop down sides for maximum access to the baby.
The control panel is also the heart for a completely integrated alarm system with both audible and visual indicators in the event of
• Probe Fail  • Skin High  • Skin Low  • Power Fail  • Heater Fail

Manual Mode
Facility of converting the warmer from servo mode to manual mode for non-stop working of the unit.

Heater Assembly
The heater assembly located above the centre of the support structure consists of an integral examination light and a 650 watts heating system (Silica or Quartz/Ceramic Heater) for quick warming and even distribution of heat on the baby bed. The heater can be swivelled in either direction for taking X-ray and doing procedures.

Castors
The system is fitted with 4” high quality castors having brakes in front 2 castors. Anti-static castors (Optional)

Baby Bed
The spacious baby bed incorporates easy drop down/ fold down glasses for maximum access to the patient.
Optional: X-Ray facility is provided below the baby bed for taking X-ray of the baby without disturbing.

Dimensions
Technical Specification  Electrical Specification (IEC complaint)
Height 1850mm  Power supply - 200V / 50Hz
Length 1050mm  Heater Power - 650 Watts
Width 650mm  Fuse - 5 Amp.

Highlight of the product
The unit is designed in such a way that the main control system can be swivelled to the other side for access from all the four sides to the patient in critical condition.
option : weighing scale

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Certification & Inspection

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S S Technomed (P) Limited
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OPEN CARE SYSTEM
TIANA™ - D

India’s Leading Manufacturer of Pediatric Equipments

MADE IN INDIA

CE
16937

UKcert
Certification & Inspection
Certificate no.: UQ-5925
ISO 9001-2008

Certificate no.: UQ-5A7
ISO 13485-2003

Certificate no.: IN106848C
OHSAS 18001:2007

Certificate no.: IN109849B
ISO 14001:2015

WHO - GMP CERTIFIED

CDG INSPECTION LTD
Certificate no.: UQ-S7202
OPEN CARE SYSTEM TIANA™ - D

SST range of Tiana™-D open care system that comes in fiber and powder coated MS allow you to efficiently care and provide advance warming capabilities while using one touch operations to simplify procedures. Advance microprocessor controlled system with self-check on the electronic circuitry skin / air / manual control. Latest circuitry Skin/Air/Manual control. Latest technology packed with higher accuracy & enhanced visibility has been integrated in the system

Control Panel

The Tiana™-D open care system comes with automatic manual and baby (Servo) modes.

In addition, the Skin/Air temperature display is larger than other set temperature display. Skin temperature display can be converted form OC to OF by the push of a button. A big LCD is provided for more information and visualizations of the heater power in manual and servo modes. A full panel of alarms provides safety and convenience, with both audible and visual indicators in the event of:

- High Temp. / Low Temp.
- Power Failure
- System Fail
- Timer-On
- Probe Failure
- Heater fail/ON (Optional) only visual alarm provided

Heater Assembly

The heater assembly located above the centre of the support structure consists of an integral examination light and a 650 watts heating system (Silica/quartz/Ceramic Heater) for quick warming and even distribution of heat on the baby bed. The heater can be swivelled in either direction for taking X-ray and doing procedures. The Heater is also equipped with LED Phototherapy on both side to provide light intensity effective on the baby bed.

Air Mode (Optional)

The system comes with air sensor. This is added security cover with exclusive feature of switching OFF the heater in case the Air temperature goes above 35°C irrespective of what the skin temperature is at the time of event.

Technical Specification | Additional Features
--- | ---
Technical Specification | Electrical Specification
- Height- 1850mm | Power supply - 200V / 50Hz
- Length- 1050mm | Heater Power - 650 Watts
- Width- 650mm | Fuse - 5 Amp

If needed the unit can be programmed by the user itself for any of the following features:

(a) Count Up / down Timer.
(b) Check baby Alarm. (OPTIONAL).
(c) Pre warming mode

Manual Mode

The system automatically starts heating from 40% in manual mode and the same can be changed through settings Up to 100%. The system automatically converts from servo mode to manual mode in case of probe failure thus providing nonstop working of the unit.

Baby Bed

The spacious baby bed incorporates easy drop down/ fold down glasses for maximum access to the patient. Optional: X-Ray facility is provided below the baby bed for taking X-ray of the baby without disturbing

Led Phototherapy (Optional)

Tiana D comes with choice of highly efficient and bright 12/15 choice of LEDs on each side of the heater. The strong lux of 24/30 LEDs cure jaundice in baby rapidly

Technical Specification

Light Source :: High Bright Blue/Whit LEDs

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OPEN CARE SYSTEM (MODEL : TIANA™ - DX)

SST range of Tiana™-DX open care systems allow you to efficiently care and provide advanced warming capabilities while using one-touch operations to simplify procedures. Advance microprocessor controlled system with self-check on the electronic circuitry. Skin / Air / Manual control.

Control Panel

The Tiana™-DX Open care System comes complete with automatic manual and baby (Servo) modes.

In addition, the Skin/Air temperature display is larger than other set temperature display. Skin temperature display can be converted form °C to °F by the push of a button. A big LCD is provided for more information and visualizations of the heater power in manual and servomode. A full complement of alarms provides safety and convenience, with both audible and visual indicators in the event of:

• High Temp./Low Temp. • System Fail • Probe Failure • Power Failure • Timer • Heater fail / ON (Optional) only visual alarm provided

Heater Assembly

The heater assembly located above the centre of the support structure consists of an integral examination light and a 630 watts heating system (Silica or quartz /Ceramic Heater) for quick warming and even distribution of heat on the baby bed. The heater can be swivelled in either direction for taking X-ray and doing procedures.

Air Mode (Optional)

The system comes with air sensor. This is added security cover with exclusive feature of switching OFF the heater in case the AIR temperature goes above 39°C irrespective of what the skin temperature is at the time of event.

Manual Mode

The system automatically starts heating from 40% in manual mode and the same can be changed through settings up to 100%. The system automatically converts from servo mode to manual mode in case of probe failure thus providing nonstop working of the unit.

Baby Bed

The spacious baby bed incorporates easy drop down / fold down glasses for maximum access to the patient. Optional : X-Ray facility is provided below the baby bed for taking X-ray of the baby without disturbing.

The First Breath

The open care system combines virtually all the technology a caregiver may need in situation needed for resuscitation. The neonates can be supplied with a constant oxygen flow through the oxygen humidifier when connected to an oxygen cylinder/wall unit. The motorized slow suction can be used with simple flip of a switch. A digital rate is standard, which signals when 1, 5 and 10 minutes have elapsed.

Castors

The system is fitted with 4” high quality castors having brakes in front 2 castors. Optional : anti-tastic castors

Storage

The unit comes fitted with two drawer system which slides out for keeping consumables.

Phototherapy Unit (Optional)

The unit can be fitted with LED phototherapy unit or CFL under surface phototherapy unit.

Additional Features

If needed the unit can be programmed by the user himself for any of the following features:

(a) Count Up / down Timer. (b) Check baby Alarm. (c) Pre warming mode.

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Website : www.sstechnomed.com
BABY BASSENET

Specification

Baby Bassinet with fold down/ drop down panels. Head down position, on both sides with X-Ray Facility. A big shelf at the bottom for keeping consumables.

OXYGEN HOOD

Specification

Single piece Polycarbonate & silicon adjustable oxygen hood

AMBU BAGS

Specification

Rugged 100% Autoclavable
Reusable 500 ml silicone bellow
Non Rebreathing valve with 40 cm of H2O pressure release
Mask size: No. 01
PVC Oxygen Reservoir & oxygen tubing.

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Website : www.ss technomed.com
Brief about the Vein Trace
Vein Trace is a unique precision device to detect and trace the superficial veins on the human body for neonates/children and adults thus reduce the stress on both the user and the patient. The unique wand shape gives great comfort to the user on all kinds of patients and could be used with ease to locate the smallest possible vein on the body superficially.
It uses the RED LEDs with very good lumen efficacy with specific wavelength for better penetration into the skin and there by trace the veins, which are superficial on the body. Thus by reducing the risk of puncturing the body many a times, while giving the IV or an injection or collecting a blood sample. In all the cases the patient or the user is happier because it reduces the risk of injecting the veins falsely.
The safest LEDs which do not have the UV or infrared radiation are used for this purpose. Vein Trace could be used to map the veins all along the limbs without any difficulty.
The specific wavelength RED LEDs used emits the light and thus the veins are clearly visible to the naked eye.

Specifications
1. Number of RED LEDs : 6
2. 4.8 volts rechargeable battery pack.
3. Charger for charging the device operating voltage: universal.
4. Dimensions: 50 x 16 x 160 mm
5. Weight: 120 grams

User manual:
Please follow the instruction as follows

1. See whether the charge is full by switching on the unit (never look into the light source directly).
2. If fully charged place the Vein Trace on the arm or limb as per the convenience and just push along the skin to trace the veins very easily. The optional holding band supports the user hand to use it comfortably.
3. The “U” shaped gap is where the vein is to be traced. And thus the syringe is to be pushed into the vein without many trials.

There are no clinically proven side affects with the Vein Trace and the LED. But general precautions are to be taken while using the same.
1. Never look into the LEDs (light source) directly
2. Do no operate the unit continuously for more than 5 minutes
3. Switch off the unit whenever not in use.
4. Charge the unit for 3 hours before first use.
5. Remove the charger from the mains always to save the power
6. Never connect to the charger and used the Vein Trace as it could lead to accidents.
7. Do not clean the transparent protective cover on the LED with any kind of solvents or strong detergents. Wipe it with soft and damp cloth only.
**Digi Dopp**
- Table Top
- Rust Proof
- ABS Plastic moulded
- Rechargeable battery
- Mains operated as well
- Bright LED Display to Indicate the Beats per minute (BPM) and the digital display of volume level
- FHR with Hi/Low limit setting
- Audio Visual alarm

**Touch Dopp**
- Table top
- Soft Touch
- Works on mains
- 9 volt battery

**Touch Dopp (D)**
- Table Top
- Soft Touch Foetal Doppler
- ABS Plastic moulded body
- Digital display of volume

**Micro Dopp (D)**
- Portable
- ABS Plastic moulded
- Hand Held
- Works on mains and 9 volt battery
- Digital display of BPM

**Micro Dopp**
- Portable
- ABS Plastic moulded
- Hand Held foetal Doppler
- Works on mains
Introducing ultraviolet Sterilizer a product manufactured from state of the art technology for sterilizing the air within the sterilization chamber. An ultraviolet ray is a band of light with short wavelength from 2000 to 2950 angstrom units which possesses the greatest germicidal effects of all ultraviolet wavelengths, particularly the wavelengths of 2537 angstrom units. It is extensively used to destroy airborne bacteria, virus, mould spores etc.

Ultraviolet sterilizer can be kept on even during the operations as special measures are taken to save against direct radiation, this unit can be mounted on Wall, Kept on the Table or kept at a Suitable Place.

Five Steps of sterilization:
- Step-I Dust Filter
- Step-II 15 Micron Filter
- Step-III Carbon Filter (Optional)
- Step-IV U. V. Filter
- Step-V Ionizer (Optional)

How to use instrument sterilizer
Ultraviolet germicidal cabinet provides a safe and convenient means of sanitizing all small instruments, utensils, stethoscopes, vacuum suction glassware, make up sponges, bandages etc. Which cannot be sterilized in the steam sterilizers, these can be placed in the ultraviolet cabinet after cleaning them from an antiseptic solution / disinfectant in which the sterilization is carried out by short-wave Ultra violet radiation generated by 8 watt germicidal tube.

Ultra Violet Sterilizer can be effectively installed at different place.
At medical sites like Operation theater, ICU, NICU, Post Operative wards, Trauma Wards, Mortuary etc. Suitable for small laboratories where bacteria-free air is desired.

At homes in a closed room specially for allergic patients suffering from Respiratory diseases like Asthma. Can also be used for the patients suffering from AIDS.
TB to protect them from infections. Ideally suited in Dental clinic. Physicians clinic to guard against cross infections from patients.
**Oxygen Concentrator**

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Rate</td>
<td>Adjust Flow Rate 0-5 LPM, 0-8 LPM &amp; 0-10 LPM</td>
</tr>
<tr>
<td>Oxygen Concentration</td>
<td>95% ± 3% Approx.</td>
</tr>
<tr>
<td>Oxygen Delivery Pressure</td>
<td>6.00 - 10.15 PSI up to 20 PSI</td>
</tr>
<tr>
<td>Power Supply</td>
<td>220 ± 10% VAC, 50Hz; 2.0 A</td>
</tr>
<tr>
<td>Sound Level</td>
<td>&lt;50 db (A)</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>380 Watt Approx.</td>
</tr>
<tr>
<td>Alarms</td>
<td>Low/High Pressure &amp; Power Failure, High Temprature</td>
</tr>
<tr>
<td></td>
<td>Oxygen Purity Indicator (Optional)</td>
</tr>
<tr>
<td>Size</td>
<td>600 (H) X 380 (W) 350(D) mm</td>
</tr>
<tr>
<td>Weight</td>
<td>30kgs</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-25°C - 40°C</td>
</tr>
<tr>
<td>Others</td>
<td>Built-In Pulse Oximeter for SPO2 Monitoring (Optional)</td>
</tr>
</tbody>
</table>

**APPLICATION FIELDS**

**Healthcare Industry:**
Oxygen Machine can fully meet the demand for oxygen in the following circumstances and offer you the real safe, effective and comfortable oxygen therapy.
- Respiratory diseases, such as chronic bronchitis, bronchial asthma, emphysema, pulmonary heart disease, pneumoconiosis, silicosis and so on.
- Cardiocerebral vascular diseases, such as high blood pressure, arteriosclerosis, coronary heart disease, myocardial infarction, heart rate disorders, angina, cerebral thrombosis, cerebral apoplexy, and so on
- Altitude stress and sickness, such as high altitude pulmonary emphysema, high altitude cerebral edema, chronic altitude sickness

**OZONE INDUSTRY:**
Oxygen Machine can produce oxygen of concentration 90% on the spot, increase ozone concentration of the ozonizer twice than the air source, lower electricity consumption by half and greatly reduce the overall cost. It's suitable for drinking water industry like mineral water and purified water producers, food industry and pharmaceutical industry which have relatively higher requirement of ozone concentration.

**BEAUTY INDUSTRY:**
Oxygen Machine uses professional oil-free compressors. The fresh oxygen generated from it is of high purity and without any chemicals or stimulating. It's genuine oxygen and suitable for all kind of skin as well as those male who care for their look. No matter you do deep skincare at a beauty salon, or do aerobics at a gymnasium or use simple face film at home, it is an effective auxiliary beauty treatment.
Oxygen concentration

**SPECIFICATIONS**

- **Flow Rate**: Adjust Flow Rate O-5 LPM, O-8 LPM & O-10 LPM
- **Oxygen Concentration**: 95% ± 3% Approx.
- **Oxygen Delivery Pressure**: 6.00-10.15 PSI up to 20 PSI
- **Power Supply**: 220 ±10% VAC; 50 Hz
- **Sound Level**: < 50 db (A)
- **Power Consumption**: 350 Watt Approx.
- **Alarms**: Low/High Pressure & Power Failure, Oxygen Purity Indicator (Optional)
- **Size**: 720 (H) x 457 (W) x422mm
- **Weight**: 21-32 kgs. (Variable)
- **Others**: Built-in Pulse Oximeter

**APPLICATION FIELDS**

**Healthcare Industry:**
- Oxygen Machine can fully meet the demand for oxygen in the following circumstances and offer you the real safe, effective and comfortable oxygen therapy.
- Respiratory disease, such as chronic bronchitis, bronchial asthma, emphysema, pulmonary, heart disease, pneumoconiosis, silicosis, and so on.
- Cardio cerebral vascular diseases, such as high blood pressure, arteriosclerosis’s coronary heart disease, myocardial infarction, heart rate disorders, angina cerebral thrombosis, cerebral apoplexy, and so on.

**Ozone Industry:**
Oxygen Machine can produce oxygen of concentration over 90% on the spot, increase ozone concentration of the ozonizer twice than the air source, lower electricity consumption by half and greatly reduce the overall cost. It’s suitable for drinking water industry like mineral water and purified water. Producers, food industry and pharmaceutical industry which have relatively higher requirement of ozone concentration.
Beauty Industry:  
Oxygen Machine uses professional oil-free compressors. The fresh oxygen generated from it is of high purity and without any chemical or stimulating ingredients. It’s genuine healthy oxygen and suitable. 
- For all who care for their look. No matter you do deep skin care at a beauty salon, or do aerobics at a gymnasium, or use simple face film at home, it is an effective auxiliary beauty treatment.

FEATURES:
- Rapid Pressure Swing Adsorption (RPSA) - NASA derived technology. 
- Purity of Oxygen accords with Medical Standards. 
- Built-in Pulse Oximeter (SP02 Monitor) & Provision of Adult, Pediatric, Neonatal Probes (Optional). 
- No Other Raw Material required except Air 
- Adjustable Flow Meter with 0.5 LPM variation. 
- In-Built Device for Nebulizing Therapy. 
- Low Power Consumption with uninterrupted flow of Oxygen. 
- Humidifier with Safety Valve with Audible Alarm in case of Obstruction. 
- Safety Fuse/Transformer for Protection of machine in case of Power Fluctuation. 
- Quiet Unit - Allowing Restful Sleep to the Patient. 
- Heavy Base with Sturdy Castors for Smooth Mobility. 
- Provision for Installation in Ambulance. 
- Different Models with 3L, 5L, 8L & 10L Capacity per minute flow for Single and Double.
Air-Oxygen Blender

Air-oxygen Blender (SHI-17)

Air-oxygen Blender (SHI-23)

Air-oxygen Blender (SHI-24)

Air-oxygen Blender (SHI-26)

SS Technomed(P) Limited
**Newborn / premature baby special equipment:**
It is a sort of equipment used by medical staff who make rescue measures by using different concentration of oxygen, suitable for neonate especially premature infant to treat the oxygen damage and other complications, such as retinopathy of premature children (ROP), and chronic lung disease (CLD) due to absorbing high flow and concentrations oxygen for a long time. The product complies with requirements of the “Guide”. It must use the device that mixed with air and oxygen, strictly gasp the indications and ways of using oxygen, monitor and adjust the concentration in time according to the condition of patients to avoid excessive fluctuation.

**Product performance characteristics:**
- It is used on the course that strictly requires for oxygen concentration, such as hood, nasal catheter, incubator, infant resuscitator, heart lung machine.
- The different concentrations of medical oxygen will be configured by adjusting the proportion of oxygen and air.
- The surface is processing with anodic oxidation.
- Equipped with a regulating valve that can adjust the proportion of oxygen concentration, and a device that make the pressure stable, in order to output the constant pressure.
- Adjust the oxygen concentrations and flow respectively.
- The structure with double output port, it can supply gas for one or more patients at the same time.
- Inside an alarm system of differential pressure. When alarming, the safety valve starts automatically and produces the mixture gas continuously to ensure the safety of patients.

**Performance parameters**

**Model: (SHI-17)**
- Oxygen concentration adjustment: 21% to 100%
- Flow regulation: 0 ~ 18LPM (optional dual flow meter dual output).

**Model: (SHI-23)**
- Optional dual output matching.
- Oxygen concentration adjustment: 21% to 100%
- Optional flow meter / inhaler.

**Model: (SHI-26)**
- Oxygen concentration adjustment: 21% to 100%
- Flow: 0.1LPM ~ 1.0LPM (dual output)
- 0.1LPM ~ 10LPM.

**Model: (SHI-24)**
- Oxygen concentration adjustment: 21% to 100%
- It can adjust 0.1 to 10 LPM pressure in single output with different knobs as required.
Respiratory Humidifier

RESPIRATORY HUMIDIFIER

- It can match with imported and domestic ventilator, CPAP for heating and humidifying.
- It is constant and reliable because of its microprocessor and contact-less control
- Ergonomic design can utilize the space effectively.
- It is convenient to monitor by digital display.
- It controls the temperature automatically and equipped with over heat protection device.
- The maximum temperature of heating plate is not more than 85°C.
- It controls the temperature automatically in the range 28°C to 40°C.
- The accessories of device clean with conventional disinfectant, high pressure sterilization.

SS Technomed(P) Limited
INFANT RESUSCITATOR

- It is mainly used on delivery room, baby wards, NICU that the baby’s maximum weight up to 10 KG.
- Inside an alarm system of differential pressure. When alarming, the safety valve starts automatically and produces the mixture gas continuously to ensure the safety of patients.
- Adjust the Oxygen concentration from 21% to 100% optionally
- The range of flow adjustment is 5LPM~15LPM.
- The MAX-P and PIP are safe, controlled and accurate.
- The PEEP is constant and accurate.
- Simple operation and flexible application.
- The output pressure would not be influenced by the operator experience, training, attention and fatigue.

Technical parameter:
- Pressure gauge: -2~10kPa (-20~100cmH2O).
- MAX-P: @0~15LPM ≤6kPa (60cmH2O).
- PIP: @5~15LPM 0.2~5.7kPa (2~57cmH2O).
- PEEP: @5~15LPM 0.03~2.3kPa (0.3~23cmH2O).
- RESP-17: cover with inbuilt Air/oxygen blender.
Restohealth (Bubble CPAP System)
Newborn / Pediatric CPAP Continuous Positive Airway Pressure Ventilation Support System

Neonatal continuous positive airway pressure support system with nasal or nasal congestion CPAP (Nasal-CPAP) will continue to positive air flow into the airway CPAP ventilator. Refers to the spontaneous breathing conditions, the patient should have a stable respiratory drive force and the appropriate tidal volume, in the entire breathing cycle of artificial imposition of a certain degree of positive airway pressure, which is conducive to prevent airway collapse, increase the functional residual capacity, Improve lung compliance, and improve oxygenation. In this mode, the ventilator only maintains a certain positive airway pressure, without mechanical ventilation. For spontaneous breathing of the newborn, to provide continuous positive pressure ventilation support.

**Product Superiority:**
- Able to give the baby a safe and controllable oxygen concentration.
- It is possible to effectively maintain the functional residual capacity.
- Can help reduce the breathing done by the baby.
- Can reduce the need for invasive mechanical ventilation.
- Able to give the baby a better wet gas.
- Can significantly reduce the incidence of chronic pneumonia (CLD).
- Can improve some of the lung physiological indicators, such as height, weight and so on.

**CPAP pressure generator**
- With the CPAP pressure bar it is easy to set the shock pressure from 3 to 250px water column.
- Automatic water level adjustment mechanism to ensure constant CPAP pressure levels.
- Removable water tank can keep the CPAP from being interrupted.

**Technical specifications**
- **Ventilation mode ( MODE)**: CPAP (BUBBLE CPAP) mode.
- **The scope of application**: Applicable to spontaneous breathing of the newborn, to provide continuous positive pressure ventilation support.
- **Flow regulation LPM**: 0 LPM-1 0 LPM (Varies in different Air- Oxygen blender).
- **Oxygen concentration O2%**: 21% -100%
- **CPAP pressure**: 300 Pa – 1000 Pa (3 cm H₂O - 10 cm H₂O).
- **Pressure warning**: Sound alarm (Pneumatic alarm).
- **Indicator light**: On indicates that the device is in operation.
- **Working noise**: Not more than 55dB (A).
- **Gas input**: Medical oxygen 0.3MPa-0.4MPa.
- **Power supply**: Ac 220V ± 22V, 50Hz ± 1Hz.

**Additional Feature (Restohealth-02)**
- With inbuilt Air-oxygen blender.
- Compact, easy to carry with built in handle on the top.
- Can be used as transport CPAP, if attached to power-supply and oxygen.
- New concept free built-in air compressor easy BUBBLE CPAP.
- Low power design for spontaneous breathing of newborns and children, to provide continuous positive pressure ventilation support.
- Small size, low noise, maintenance-free for NICU, transport, pediatric ward and other different place.
Air-Compressor

TIA:1000

TIA:2000

TIA:3000

TIA:4000

SS Technomed(P) Limited
Medical air compressors:

- Efficient oil-free compression movement and multi-stage air filtration, dehydration, cooling system design, to ensure that the output gas to meet the medical compressed air indicators.
- Automatic drainage device combined with regular drainage double separation technology.
- Large flow synchronous output port, so it can supply gas to one or more patients at the same time.
- Adequate import parts and good after-sales service, allows users to remove the worries.
- The imported compression pump (American GAST & THOMAS) is oil-free, high quality and maintenance-free.
- Equipped with multistage air filter to protect the device effectively and ensure the quality of air-source.
- Fan system: - Oriental motor, Gas processing system, SMC, NORGER pneumatic components, Rock fans.
- It’s mainly used for ventilator, anesthesia machine, automatic respirator, air-oxygen mixer, CPAP, etc. to provide positive pressure air support.
- Started with pressure and equipped with high temperature over-heating protection.
- It adopts the design of double output layer sound insulated to avoid the same frequency: Low Noise.
- It can save space effectively because of its compact structure.

### Performance parameters

<table>
<thead>
<tr>
<th>Models Parameters</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model: (TIA-1000)</strong></td>
<td></td>
</tr>
<tr>
<td>Output flow</td>
<td>≥25 L / min</td>
</tr>
<tr>
<td><strong>Model: (TIA-2000)</strong></td>
<td></td>
</tr>
<tr>
<td>Output flow</td>
<td>≥60 L / min</td>
</tr>
<tr>
<td><strong>Model: (TIA-3000)</strong></td>
<td></td>
</tr>
<tr>
<td>Output flow</td>
<td>≥100 L / min</td>
</tr>
<tr>
<td><strong>Model: (TIA-4000)</strong></td>
<td></td>
</tr>
<tr>
<td>Output flow</td>
<td>≥25 L / min</td>
</tr>
</tbody>
</table>

- Output pressure: 0.25MPa ~ 0.4MPa
- Maximum discharge pressure: 0.7MPa
- Start mode: with pressure start, start pressure > 0.5MPa
- Protection function: high temperature overheating protection
- Noise: ≤ 55dB (A)
- Pressure display: pressure gauge
- Accumulator: 0 ~ 9999H
- Power: ac 220V 50Hz
- Power: 300VA