



RADIOLOGY | PATIENT MONITORING | CRITICAL CARE | RESPIRATORY  
ANAESTHESIA | SURGERY | CARDIOLOGY | DENTAL | HEALTHCARE SOLUTIONS

CORPORATE BROCHURE



## Nothing **is** Opaque

At Skanray 'Nothing is Opaque'. Skanray not only enables diagnosis of human anatomical and physiological abnormalities and measurement of vital signs, but is also governed by its philosophy of 'transparency' in all its transactions with its customers, investors, suppliers and business associates.

Skanray follows a fair and transparent pricing policy to ensure that its customers save their precious time and money.

## Global Footprint

With its state-of-the-art manufacturing and R&D facilities spread across three continents and a large portfolio of medical devices, Skanray provides Total Healthcare Solutions to primary care clinics and hospitals by bringing in the best of design and technology from across the globe.

With a 550 member strong team, Skanray has one of the largest congregation of biomedical and business professionals in healthcare industry.

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## International Compliance

Skanray's products are designed and developed under stringent quality processes and facilities that have been certified by international agencies. Several of our products have **FDA/CE/UL** approval while the rest are designed for global compliance and ready for certification when needed by the customer.



## Life Cycle **Support**

Skanray designs and manufactures in-house each of its products across plants in Bologna, Mysore and Sao Paulo, and ensures that the customer gets relevant technology upgrades, service support throughout the life of the product. Skanray stocks adequate spares for obsolescence management and technology upgrades so that micro components do not cause a need for equipment replacement.

With over 100 dealers and 50 Service franchisees, the Sales and Service network of Skanray is one of the strongest in the industry. With a large pool of trained and qualified service engineer professionals, we offer the best uptime as compared to the industry standards.

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## Awards and **Accolades**

Skanray is one of the fastest growing Global Medical Devices and Primary Healthcare Solutions company. It has been recognized by Red Herring, Frost & Sullivan, Forbes, Indian Electronics and Semiconductors Association and TIE -Lumis for its innovation and business excellence.



## • SKANMOBILE

### Features

- 200 kHz, 4 kW, 100mA Mobile HF Xray
- Draws clean power from mains
- Negligible leakage radiation
- Easy to move (<85 kg)
- $\pm 90^\circ$  collimator rotation
- Tube-head rotation
- Suitable for NICU, ICU, Trauma & Ortho

## microSKAN

### Features

- Ultra light mobile HF XRay (55 Kg max)
- 2.6kW, 200kHz, 60mA with APR
- Hand-held plus Integrated Console for setting & Exposure
- $\pm 90^\circ$  collimator rotation
- Tube-head rotation
- Suitable for NICU, ICU, Trauma, Ortho & Ambulance



## • microSKAN<sup>ion</sup>

### Features

Battery operated model of MicroSkan, providing upto 100 exposures in ideal conditions on full charge



## microSKAN<sup>DR</sup>

### Trolley Features

- Ultra light mobile HF XRay with DR
- 2.6kW, 200kHz, 60mA with APR
- Hand-held plus Integrated Console for setting & Exposure
- $\pm 90^\circ$  collimator rotation
- Tube-head rotation
- Suitable for NICU, ICU, Trauma, Ortho & Ambulance

### DR Features

- Flat panel detector with ISS & Smart Switch technology
- CsI (Cesium iodide) Scintillator
- 2304 x 2880 Pixels / 150  $\mu$ m pixel pitch
- Approx 1 to 8 sec. Cycle time (Wired mode)
- Approx 11 sec. Cycle time (wireless mode)
- Wireless standard - IEEE 802.11n, 5.2 GHz
- Battery recharging time-Approx. 3h
- Detectors external size-384 x 460 x 14,8 mm / 3,5 kg



## SKANMOBILE<sup>digi</sup>

### Features

- 200 kHz, 4 kW, 100mA Mobile HF XRay with Computed Radiography
- True flat scan path technology
- Large touch screen with intuitive interface
- 2,00,000 Plus Artefact free images
- Negligible leakage radiation
- PACS-ready and DICOM compatible images
- $\pm 90^\circ$  collimator rotation
- Tube-head rotation
- Suitable for NICU, ICU, Trauma & Ortho



## SKAN DR

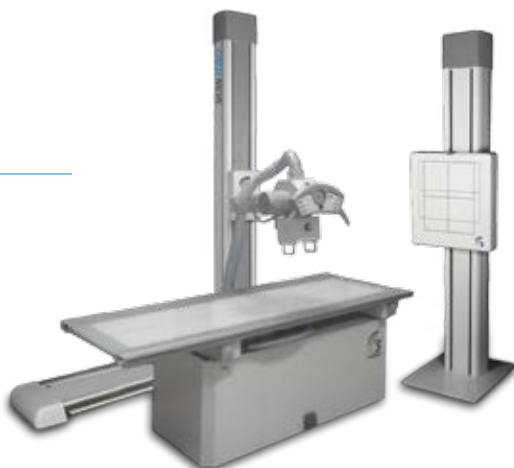
### Features

- 45kW-80kW HF Flat panel Digital Radiography Platform
- kVp Range: 40-150
- mA Range: 10-1000
- 16-bit dynamic range, 17"x17" CsI Flat panel Detector
- Intelligent anti-collision system
- All movements motorized
- Integrated auto-positioning

## SKAN RAD

### Features

- 45kW HF Fixed RAD System
- kVp Range: 40kV-125kV
- mA Range: 10mA-600mA
- Fail-safe brake operation
- Rotating Anode with Dual Focal Spots







# Surgical Imaging

**SKAN C**

## Features

- 3.5kW High Frequency generator
- kVp range: 40-110
- mA range: 0.2-10
- 1k x 1k Hi-Res camera
- 9" triple field imaging
- IRIS collimation
- Pulse Fluoroscopy mode
- Vascular mode with DSA, Trace and Road Map
- Free Space – 76 cm
- Suitable for Ortho, Neuro, Uro, GI & Vascular



# Patient Monitoring Systems



## STAR 90



### Features

- 10 channel Sleek Modular Monitor with 15" High resolution LED display with Touch Screen.
- Multiple screen formats for easy user interface.
- Basic Configuration: ECG, Respiration, SpO<sub>2</sub> (Nellcor OxiMax™), NIBP, Dual IBP & Dual Temperature.
- Optional modules: EtCO<sub>2</sub>, additional dual IBP, Cardiac Output, NiCCO & 2-channel Thermal printer.
- Anaesthetic Gas, BIS monitoring.
- Advanced features like SatSeconds™, LoSat™, IPI™, etc.
- ST segment & Arrhythmia analysis, OxyCRG, Drug dose & Haemodynamic calculation.
- Advanced Alarm Management System
- Connectivity: USB, HDMI, IABP interface



## STAR 65



### Features

- 8 channel Modular Monitor with 12.1" High resolution LED display.
- Touch Screen & multiple screen formats for easy user interface.
- Basic Configuration: ECG, Respiration, SpO<sub>2</sub> (Nellcor OxiMax™), NIBP, Dual IBP & Dual Temperature.
- Optional modules: EtCO<sub>2</sub>, additional dual IBP, Cardiac Output & 2-channel Thermal printer
- Anaesthetic Gas, BIS monitoring.
- Advanced features like SatSeconds™, LoSat™, IPI™, etc.
- ST segment & Arrhythmia analysis, OxyCRG & Drug dose & Haemodynamic calculation.
- Advanced Alarm Management System
- Connectivity: USB, HDMI, IABP interface

## STAR 55



### Features

- 8 channel multi-para Monitor with 12.1" High resolution LED display.
- Basic Configuration: ECG, Respiration, SpO<sub>2</sub> (Nellcor OxiMax™), NIBP, Dual IBP & Dual Temperature.
- Optional Parameters: EtCO<sub>2</sub>, additional dual IBP, Cardiac Output & Anaesthetic Gas monitor
- 2-channel Thermal printer (Optional)
- ST segment & Arrhythmia analysis, OxyCRG & Drug dose calculation







## STAR60



### Features

- 6 channel Multi-para monitor with 10.4" High resolution LED display
- Basic Configuration: ECG, Respiration, Dual Temperature, NiBP, SpO<sub>2</sub> (Nellcor OxiMax™).
- Optional Parameters: Dual IBP, Microstream EtCO<sub>2</sub> (Internal / External)
- Advanced features like SatSeconds™, LoSat™, IP1™, etc.
- ST segment analysis & Arrhythmia analysis.



## PLANET60



### Features

- 6 channel Multi-para monitor with 10.4" High resolution LED display
- ECG, Respiration, Temperature, NiBP, SpO<sub>2</sub> (Nellcor OxiMax™).
- Advanced Alarm Management System including SatSeconds™
- ST segment & Arrhythmia analysis.

## STAR45



### Features

- 6 channel Multi-para monitor with 10.4" High resolution LED display
- ECG, Respiration, Dual Temperature, NiBP, SpO<sub>2</sub> (Oxyskan™), Dual IBP
- ST segment & Arrhythmia analysis
- Adult and Paediatric Applications



# Patient Monitoring Systems

## PLANET45



### Features

- 4 channel Multi-para monitor with 10.4" High resolution LED display
- ECG, Respiration, Temperature, NiBP, SpO<sub>2</sub> (Oxyskan™)
- ST segment & Arrhythmia analysis
- Adult and Paediatric Applications



## COMET PLUS

### Features

- Pulse Oximeter (Nellcor OxiMax™) with Plethysmograph
- Online SpO<sub>2</sub> & PR Graphical Trend
- Advanced features like SatSeconds™ & LoSat™
- Suitable for Adult, Pediatric & Neonatal Applications

## SPOTSKAN

### Features

- Point-of-care vital signs device with 6.5" LED display
- SpO<sub>2</sub>, NIBP, Quick temperature (Tympanic probe)
- Adult and Paediatric Applications
- Thermal printer



## AGM 55

### Features

- Anaesthesia Gas Monitoring Module
- Compatible with STAR 90, STAR 65 & STAR 55
- Detection of 5 Agents & 3 Gases
- Auto Agents Detection (Optional)
- Measurement of MAC Value

# Central Nursing Station

## SKYLINE 55



### Features

- Windows based central Nursing Station
- Monitoring of 8/16 Beds
- Wired & Wireless connectivity to Patient Monitors
- Multi-Parameter & Multi-Bed Modes with detailed views
- Upto 72 Hours of waveform disclosure
- EMR connectivity through HL7



## SKYVIEW

### Features

- Remote Monitoring Solution
- Monitoring of patient data over LAN/Web
- Secure Patient Data Access
- 30 Days of Waveform review
- Alarm Recall & SMS Alert
- EMR connectivity through HL7

## SKYVIEW mini

### Features

- Central Nurses Station + Remote Monitoring solution
- Up to 16 Bed connectivity
- Secure patient data access over LAN / Web
- Upto 72 hrs of Waveform disclosure & Trend
- EMR connectivity through HL7
- Alarm recall and SMS alert



## • *CARDISKAN*

### Features

- Simultaneous 12 lead ECG acquisition at 1000 samples/sec
- 3.5" TFT Display with Touchscreen
- 3 Channel, 80mm thermal printer
- Built-in ECG measurements and interpretation
- Filter modes to remove power line interference, muscle tremor and baseline drift



## *ORION PLUS* •

### Features

- Simultaneous 12 lead ECG acquisition at 1000 samples/sec
- 3.5" TFT Display
- High resolution 3+Rhythm channel, 110mm Thermal printer
- Formatted, Standard & Carbrera Formats.



## • *CARDISKAN mini*

### Features

- Simultaneous 12 lead ECG acquisition
- PC based ECG Machine
- Optional ECG measurements and interpretation
- Patient Database Management, PDF export & A4 Print
- Compact & portable





## SKAN *REVIVE*

### Features

- Bi-phasic defibrillator with Synchronised Cardioversion.
- 300J in 19 steps.
- Charges to 300J in less than 8 seconds.
- 40 shocks at 300J from fully charged battery.
- 6.5" Color TFT LED Display.
- Adult / Pediatric paddles.

# Anaesthesia

## **ATHENA SV400**

### **Features**

- 3 gas 5 Tube Anaesthesia Workstation
- O<sub>2</sub> controlled Pneumatic N<sub>2</sub>O cut off
- Anti-hypoxia device with Ratio Control
- O<sub>2</sub> reservoir for emergency
- Integrated Anaesthesia ventilator with 6.5" Color (touch) display
- Volume & pressure controlled breath delivery.
- Spirometry
- FiO<sub>2</sub> monitoring



## **ATHENA SV200**

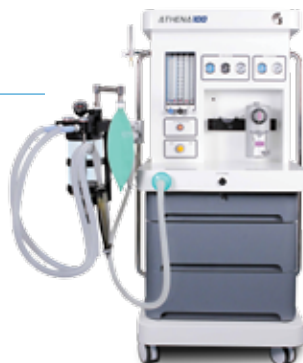
### **Features**

- 3 gas 5 Tube Anaesthesia Workstation
- O<sub>2</sub> controlled Pneumatic N<sub>2</sub>O cut off
- Anti-hypoxia device with Ratio Control
- O<sub>2</sub> reservoir for emergency
- Integrated Anaesthesia ventilator with 6.5" display
- Volume & pressure controlled breath delivery
- FiO<sub>2</sub> monitoring

## **ATHENA 100**

### **Features**

- 3 Gas, 5 Tube Anaesthesia System
- Anti-static Rotameter
- Anti-hypoxia device with Ratio Control
- Audio & Visual O<sub>2</sub> Failure warning device
- O<sub>2</sub> controlled Pneumatic N<sub>2</sub>O cutoff system
- Tec 5, Tec 6 plus and Tec 7 equivalent vaporiser mount with selective interlocking
- Inbuilt 3 Litre O<sub>2</sub> reservoir





# Ventilators



## • SKAN RESPIRO

### Features

- Infant to Adult ICU Ventilator with advanced compressor design
- Volume & Pressure Controlled Breath types
- Invasive & Non Invasive applications as standard
- Inline Nebulizer
- 4 hrs battery back up

# Syringe & Infusion Pumps

## SP205

### Features

- Front loading syringe pump with auto syringe detection
- Compatible with 2/3, 5/10, 20/30 & 50/60 ml Syringes
- KOR (KVO) & Anti Bolus Facility
- Drug dose calculation
- Multiple syringe pump stacking facility
- Optional PCA facility



## SP105

### Features

- Front Loading syringe pump with auto syringe detection
- Compatible with 5/10, 20/30, 50 / 60 ml syringes
- KOR (KVO) & anti bolus facility
- Multiple syringe pump tracking facility

## IP101

### Features

- Volumetric Infusion Pump
- Choice of setting flow rate in drops/ hr & ml / hr
- Inbuilt drug Library
- Comprehensive Alarm management
- Light weight pump with Battery back up



# Electro Surgical Units

## VE SEAL PLUS

### Features

- Microprocessor controlled electrosurgical unit
- Impedance based smart feedback system
- Monopolar cut & Coagulation
- Clamp mode for Bipolar Vessel Sealing
- Option for split patient plate with contact indicator



## MAESTRO PLUS 100

### Features

- Microprocessor controlled Electrosurgical Unit
- Impedance Based Smart Feedback system for Uniform Cut & Coagulation
- Monopolar Cut, Coagulation, Special Bipolar CUT mode with Coagulation
- Patient Plate Contact Indicator with split patient plate (optional)
- Dual Generator output version available



## OCTAVE

### Features

- Microprocessor controlled Electrosurgical Unit
- Impedance Based Smart Feedback system for Uniform Cut & Coagulation
- Monopolar Cut , Coagulation, Bipolar Coagulation
- 400W with Supercut for TUR surgery





## • *INTRASKAN DC* Floormount

## • *INTRASKAN DC* Wallmount



### Features

- High frequency Intraoral X-Ray system
- Near zero leakage radiation
- 3 point control - kV, mA & ms
- 50-70 kV range in steps of 1kV
- 4-8 mA range in steps of 1 mA
- Perfectly balanced zero-drift scissor arm
- Operator console with APR



## • *INTRASKAN digi*

### Features

- Intraoral Digital Imaging System
- Hi-resolution Digital Diagnostic Image with 20 lp/mm
- Outstanding "Signal to Noise Ratio"
- Ergonomic Design with tapered edges
- Network enabled multi-viewing at any time
- DICOM Compliant: Easy transfer of images & Remote Analysis
- Software Features: Zoom Glass, 3D Rendering, Bone Densitometry, ROI Study & Image Fusion.

## SKANSTERILI

SkanSterili steriliser is electronically controlled device and operated by a micro-processor characterised by an efficient multi-stage vacuum system for complete removal of the air, even from hollow, porous materials.



### Features

- Exclusive steam generation system, Efficient hydraulic circuit and Sophisticated electronic control.
- Patented, electromechanical triple protection system ensures that the door is locked and the chamber is perfectly sealed.
- Integral process self evaluation system, designed to ensure a thorough cross-check of 3 main parameters (temperature, Pressure and Time)
- 5 Sterilization Programmes + Custom Cycle + 2 Test Cycles.
- DATALOGGING – USB Port (front) and Standard Printer (Rear).

## SKANLEORA

### Features

- Laser Classification : Class IV (4)  
Medium : GaAlAs Semiconductor Diode  
Wavelength :  $810\text{nm} \pm 10\text{nm}$   
Max Power Output : 5W/7W  
Power Modes : Continuous, Pulsated, Super-Pulsated  
Fiber Tip diameter : 200, 400, 600 $\mu\text{m}$   
Pulse Duration : 0.01-20ms  
Disable Control : Emergency STOP Button



## SKANLECTICA ruby



### Features

- Fully loaded dental treatment unit
- Electrically operated multi-programmable (5 programs) Dental Chair with all functional components integrated in the chair and Multifunctional foot control.
- Continental Delivery system with multifunctional feather touch controls and pneumatic vertical brake locking system
- Assistant's module with couplings for light curing unit, 3 way syringe, high and low volume suction.
- Patient chair is equipped with synchronized movement with backrest motion and safety system to prevent entrapment during operation.
- White LED operating lamp with adjustable intensities (3000-31000 lux) and 3 axis movements. Handles of the lamp can be removable and autoclavable.
- Cuspidor is made of high finish porcelain with autonomous system for hygiene and water supply with by-pass. Cuspidor is rotatable (160°), removable and disinfectable.
- High speed wet-line suction with filter fitted hoses and Infection control system with Non retraction valves (Bio-system). Removable and autoclavable holders protecting hand pieces.
- Seamless soft Upholstery kit for slim back rest and double joint headrest. Soft Upholstery operating stool.
- Module with multimedia articulated arm and multimedia cable.



## SKANLECTICA sapphire

### Features

- Electrically operated multi-programmable (5 programs) Dental Chair with all functional components integrated in the chair with Multifunctional foot control..
- International Delivery system with multifunctional feather touch controls and pneumatic vertical brake locking system
- Assistant's module with couplings for light curing unit, 3 way syringe, high and low volume suction.
- Patient chair is equipped with synchronized movement with backrest motion and safety systems to prevent entrapment during operation.
- White LED operating lamp with adjustable intensities (3000-31000 lux) and 3 axis movements. Handles of the lamp can be removable and autoclavable.
- Cuspidor is made of high finish porcelain with autonomous system for hygiene and water supply with by-pass. Cuspidor is rotatable (160°), removable and disinfectable.
- High speed wet-line suction with filter fitted hoses and Infection control system with Non retraction valves (Bio-system). Removable and autoclavable holders protecting hand pieces.
- Seamless soft Upholstery kit for slim back rest and double joint headrest. Soft Upholstery operating stool.
- Module with multimedia articulated arm and multimedia cable.



## SKANLECTICA opal

### Features

- Electrically controlled Multi-Programmable Dental chair with 5 programmes (3 programmable & 2 Fixed)
- Continental / International Delivery system with multifunctional feather touch controls and pneumatic vertical brake locking system
- Assistant's module has couplings for light curing unit, 3 way syringe, high and low volume suction.
- Patient chair is equipped with safety systems to prevent entrapment during operation.
- White LED operating lamp with adjustable intensities (3000-31000 lux) and 3 axis movements. Removable and autoclavable lamp handles.
- Cuspidor is made of high finish porcelain which is rotatable (160°), removable and disinfectable.
- High speed wet-line suction with filter fitted hoses
- Push Foot switch with filter fitted inbuilt pneumatic suction and Joystick to control chair Position.
- Seamless Upholstery kit for oval back rest, seat and double joint headrest.

# Healthcare **Solutions** and Turnkey **Projects**

Skanray provides Total Healthcare Solutions for Primary and Rural Healthcare. The solutions are customized to suit the requirements of the Primary Care Clinic. Our solutions help increase the efficiency of the doctor and deliver multi-speciality care in a PHC. The solutions are intuitively designed and can be run by paramedic personnel if required. We provide mobile PHCs and kiosks to be deployed in the remotest areas for telemedicine-enabled healthcare delivery.

## Turnkey **PHC**project

Skanray provides turnkey solutions for primary care clinics. The solution includes civil works, installation of equipments, hardware and software necessary for smooth running of the clinic. Skanray can operate the clinic for a period of 3 years and then transfer if the client desires.





## Mobile Medical Unit

Mobile Medical Units are designed to be deployed in the remote regions where the feasibility to put up brick-and-mortar PHCs do not exist. The MMUs are essentially medical centres on wheels. They have equivalent capabilities compared to a fixed facility in delivering healthcare. Added advantage is their mobility which makes them economically feasible as they can serve a large population spread over a wide area.



## Medical Kiosk

Medical Kiosks are designed to be deployed in remotest locations where the access to basic primary care is totally absent. Kiosks have self-diagnostic equipments installed along with networking capabilities and they are connected to a doctor in a telemedicine hub for diagnosis and advice. A trained paramedic can facilitate the operations of the equipment and communicating with the doctor. The kiosk can also be utilized for primary care delivery in office campus, residential school, university, etc.



CARDIOLOGY



RADIOLOGY



ANAESTHESIA



MONITORING



CRITICAL CARE



SURGERY



DENTAL



MASS WELLNESS

For X-ray Systems, Surgical C-Arms, Monitors, Ventilators, Primary Healthcare Devices and Solutions and much more visit: [www.skanray.com](http://www.skanray.com)

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