



DIXION

MEDICAL EQUIPMENT



OPERATING ROOM

OPERATING TABLES

Modern and multifunctional operating tables designed for a wide range of surgeries. They are equipped with a safe and reliable hydraulic system for height and section position adjustment. Made with stainless steel and durable cover.

Electrohydraulic Operating Table Surgery 8900 Modular



Engineered for complex demands of modern surgical suites Surgery 8900 Modular is designed for extreme loads in any position. The modular structure enables it to be adapted to the size of the patient and in any moment it be recongured for any surgical application.

- Modern modular tabletop
- Easy Click Connection Design
- Longitudinal slide (up to 310 mm)
- Memory pad with antistatic waterproof design
- Double Control System
- 7 days without charging
- Five section
- Stainless steel coating is anti-rust and anti-corrosive
- Side real
- Breaks
- Width of the table top ≥ 600 mm
- Weight capacity: Static – 450kg/Dynamic – 350kg

Electrohydraulic Operating Table Surgery 8800/8800S



Electrohydraulic Operating Table DIXION Surgery 8800/8800S is designed for a wide range of surgeries. Electromotion facilitates various adjustments of positions, intellectualized repositions and enables the table to proceed with a quick return to horizontal position.

- Automatically lockable remote control
- Longitudinal slide up to 350 mm for free access to C arm (8800S)
- Built-in kidney bridge
- Optional traction for orthopedics
- Stainless steel cover and anti-rust/corrosion cover
- Photograph board is suitable for X-Ray
- Equipped with 24V battery that meets the operating demand for one week

Electrohydraulic Operating Table Surgery 8700



Engineered for increasingly complex surgical scenes, electric operating table DIXION Surgery 8700 comes with intelligent automatic control system satisfying various demands of general surgeries. Table Surgery 8700 can withstand extreme loads in any position.

- Longitudinal slide up to 350 mm for free access to C-arm
- Extreme weight load capacity of 250 kg with highest safety and stability
- Memory pad with antistatic, waterproof design
- Battery power for 50-80 operations
- It can easily be moved to any desired position as 4 castors
- Leg plate: imported gas spring for easy controls
- 2 joint head plates
- Built-in kidney bridge
- Double control system

Manual Hydraulic Operating Table Surgery 8500



Electrohydraulic Operating Table Surgery 8600



Operating Table DIXION Surgery 8600 is modern and multifunctional operating table applicable to most general surgeries. The five main sections have X-ray transparent surface. Base and column are made of stainless steel. Solid materials of soft elements are easy to clean and disinfect. This table is equipped with micro touch remote control that enables smooth adjustments of head/back and seat plates. It is equipped with electric switch control elevation (up/down) that is easy and reliable to operate.

- 7 cm thick memory foam mattress
- Gas spring leg plate
- Double control system
- Angle adjustment and section position distance control
- Base and column are made of stainless steel
- Table and accessories are easy to clean and sterilize

Mechanical operating table Surgery 8500 is designed for a wide range of surgeries. It's equipped with a safe and reliable hydraulic system for height and section position adjustment. Stainless steel and durable cover are easy to clean and sterilize. This table has 5 main sections with radiotransparent cover.

- Pedal-operated oil pump to control elevation (up/down)
- Trendelenburg/lateral tilt/elevation of back plate are all controlled by manual hydraulic pressure

SURGICAL LIGHTS

Dixon highly reliable halogen and LED surgical lights are used for most surgeries. Consol — and lever-based space-saving models guarantee smooth movement of the lights during operation. It also provides secure fixation of the levers, which makes their usage easy and comfortable with maximum illumination and minimum light intensity loss.

- Easy lamp replacement
- High mobility and ergonomic design
- Maximum shadowless effect even at partial darkening
- Surgical lights are available in mobile version or ceiling-mounted single/double dome models

Surgical Lights Convelar

Convelar 1650 LED/1670 LED/ 1675 LED/1677 LED



Ceiling mounting system is very simple and affords precise positioning of the light heads. You can choose mobile floor lamp as well as single or double ceiling mount model.

New LED lights – energy-saving, with an increased lifespan of more than 50 000 hours.

- Optimally positioned light source provides enough coverage of the surgical field even with a partial shade
- Light field diameter is up to 350 mm. The design of the light heads provides focusing of the light field over 1.4 m. The light field center is 160 kLx
- Correlated color temperature is adjustable within 3 500K – 5 000K, which allows the surgeon to choose the optimal lighting for all operations
- Easy adjustment allows medical personnel to illuminate the surgical area properly
- Touch-screen control panel: Power on/off, Dimming, Regulation of color temperature, CRI regulation

Ceiling Mounted Lights With Built-in Video System

Convelar 1670 LED+/1675 LED+/1677 LED+



New LED lights – energy-saving, with an increased lifespan of more than 50 000 hours.

- Optimally positioned light source provides enough coverage of the surgical field even with a partial shade
- Light field diameter is up to 350 mm. The design of the light heads provides focusing of the light field over 1.4 m. The light field center is 160 kLx
- Correlated color temperature is adjustable within 3 500K – 5 000K, which allows the surgeon to choose the optimal lighting for all operations. Each light head of the lighting system has a control panel
- Control panel: Power on/off, Dimming, Regulation of color temperature, CRI regulation, Focus of the camera (optional)
- Surgical light LED with video system consists of a built-in HD camera, video recorder, monitor and remote controller
- Video System Settings: Optical zoom/Automatic White Balance/View of single or several images in real time and easy change of images/Autosave/Video playback/Network transmission/Possibility of video teaching and telemedicine/ The video system can be built-in only in the light head with a diameter of 700 mm

Mobile Surgical Lights

Convelar 1603 LED /1605 LED /1607 LED



Floor standing interventional shadowless lamp with 260/500/700mm diameter light head and flexible mobile supporting frame.

Dixon Convelar mobile surgical lights are floor standing interventional shadowless lamps that meet the requirements of different surgeries and first-aid stations. Backup power (available as an option) provides up to 2 hours of normal use in power failure condition.

CAD design multi-LED-lighting beam produces up to 160 000 Lx central illumination and 4500 K color temperature, which is close to natural light.



ANESTHESIA WORKSTATIONS

Practice Anaesthesia Workstations with advanced technical characteristics and proven ventilation and anaesthesia technologies are suitable for the use with all patient groups.

Anesthesia Workstations Practice Practice 3800



- 12.1" TFT LCD with color touch screen, highlighted display
- Compact breathing system, easy to remove and clean, fully autoclavable
- Supports both low-flow anesthesia and mini-flow anesthesia
- Advanced ventilation management provides accurate delivery and broad of settings enabling effective care across a wide range of patients
- Electronic flow meter, precise control and convenient operation
- Optional Auxiliary common gas outlet (ACGO)
- Optional Anesthetic Gas Scavenging System (AGSS)
- Optional CO₂ bypass

Anesthesia Workstations Practice Practice 3700



- Anesthesia Workstation for newborns, children and adults with integrated monitor
- 10.4" TFT color screen display
 - PCV and SIMV+PS modes ensure exibility in ventilation strategy
 - Flow meter provides a minimum of 25% concentration of oxygen in O₂/CO₂ mixture
 - Waveforms displayed: P-T, F-T
 - Ventilation modes: IPPV, PCV, SIMV+PS, PS, Manual
 - Supports two vaporizers (filling type: pour-fill, key-fill, and quick-fill)
 - Optional CO₂ bypass and heating system
 - Optional monitoring functions, CO₂ and anesthetic gas

Anesthesia Workstations Practice
Practice 3200



Anesthesia Workstation for children and adults with integrated

- LCD monitor to display the respiratory parameters of the patient
- Suitable for adult and pediatric patients 8.4" color touch screen
- 4/6-tube flow meters for 2/3-gas sources suitable for various operation requirements
- Waveforms displayed: P-T, F-T
- Two-vaporizer station
- Integrated CO₂ circle absorber equipped with no water vapor condensation sensor
- Fast-release APL valve
- Optional AGSS provides more protection
- Optional multi-gas monitoring

Anesthesia Workstations Practice
Practice 3100



Anesthesia Workstation for adults and children

- With built-in independent 10.4" TFT screen, flexible monitoring angle
- Ventilation modes: IPPV, PCV, SIMV(flow trigger), PS, Manual
- ICU level SIMV mode with flow-trigger provides the synchronized ventilation in recovery stage
- Waveforms displayed:???
- Optional selection of O₂, CO₂ and anesthetic gas monitoring function

Anesthesia Workstations Practice **Practice 3000**



- 7" color LCD screen, different parameters distinguished by colors for easy recognition
- Novel designed ventilator pneumatic system decreases the consumption of oxygen
- Built-in "No Water Vapor Coagulation" sampling device ensures minimal maintenance
- Fast-release function by APL valve is comparable to high end models
- Advanced one button switch of manual/electronic provides convenient pneumatic/electronic controlling interchanges
- Optional AGSS device for more protection

SUCTION PUMP

DIXION suction units are designed for the aspiration of blood, vomit, mucus and other bodily fluids. These medical suction units provide a reliable solution for emergency medical assistance and patient care in hospitals, first-aid centers, intensive care units and welfare organisations.

Portable Suction Unit

Vacus 7020/7025



- Innovative Direct Plug-in Bottle System & Double anti-overflow protection system
- Powerful suction up to 0.08 Mpa
- Double anti-overflow protection system
- Direct Plug-in Bottle System, only one push to take out bottle 1400 ml capacity suction bottle
- Innovative filter technology prevents penetration of micro organisms and secretion into the device
- Only one inlet for suction hose, avoid misleading of air inlet and outlet
- Easy clean & sterilize & user-friendly operations 20L & 25L air flow options

Rechargeable Portable Suction Unit (AC, DC, Batteries)

Vacus 7025B



- Innovative Direct Plug-in Bottle System & Double anti-overflow protection system
- Rechargeable DC 12V • Ambulance car use DC 12V
- Fast recharge in 90 minutes, Continuous run 180 minutes
- Superior Lithium batteries
- Double anti-overflow protection system
- Direct Plug-in Bottle System, only one push to take out bottle
- 1400ml capacity suction bottle
- Innovative filter technology prevents penetration of micro organisms and secretion into the device
- Only one inlet for suction hose, avoid misleading of air inlet and outlet
- Easy clean & sterilize & user-friendly operations

Emergency Suction Unit **Vacus 7209**



Built-in battery and electric car adapter allow using Vacus 7209 outdoors as well as in an ambulance during patient transportation.

- Flow rate MAX. 20 l/min • Oil –free vacuum pump
- Autoclavable translucent storage jars made of highquality shatterproof plastic, 1000ml
- Large handle for convenient use and transportation
- Antibacterial air filter reduces environment contamination
- Non-toxic glasslike hoses are easy to install and disinfect
- Over flow protection device prevents liquid from entering the compressor
- Vacuum level control 0.02–0.08 MPa (150 – 600 mmHg)
- AC/DC and/or battery power supply for 30 min or 60 min
- Rechargeable battery
- Battery status indication for quick battery status check
- Built-in back pressure valve ensures continuous work of the unit

Emergency Suction Unit
Vacus 7032



Vacus 7032 is a portable emergency suction unit with improved performance. It provides a choice between hand and foot switch of vacuum control.

- Flow rate MAX. 32 l/min
- Oil-free vacuum pump
- Autoclavable translucent storage jars made of high quality shatterproof plastic, 1000ml/2000ml
- Large handle for convenient use and transportation
- Antibacterial air filter reduces environment contamination
- Over flow protection device prevents liquid from entering the compressor
- Vacuum level control 0.02 – 0.09 MPa (150 – 680 mmHg)

Surgical Suction Unit DIXION
Vacus 7305



Mobile Vacus 7305 on four wheels with brakes is high vacuum and high flow medical suction unit.

- Flow rate MAX. 40 l/min
- Oil-free vacuum pump
- Ergonomic plastic case with novel design is extremely light and easy to carry
- Capacious storage jars made of high-quality plastic, 2000ml or glass, 2500ml
- Vacuum level control by integrated regulator and footswitch 0.02–0.09 MPa (150 mmHg-680 mmHg) Antibacterial air filter reduces environment contamination
- Non-toxic glasslike hoses are easy to install and disinfect
- Over ow protection device prevents liquid from entering the compressor
- Storage jars have an o-ring which ensures tight sealing
- The suction bottles shall come with over ow lid
- Air discharge from pump shall be filtered by bacterial filter
- Twin unbreakable, transparent, autoclavable polyul de suction bottles (optional)
- The bottles shall be incorporated with an automatic suction cut-o mechanism when they become full (optional)

Surgical Suction Unit DIXION **Vacus 7308**



Vacus 7308 is a trolley-style high vacuum and high flow medical suction unit

- Flow rate max. 80 l/min
- Oil-free vacuum pump
- Capacious storage jars made of high-quality plastic, 4000 ml and 2000 ml
- Plastic case with novel design
- Vacuum level control by integrated regulator and footswitch 0.02 – 0.09 MPa (150 mmHg – 680 mmHg)
- Antibacterial air filter reduces environment contamination
- Non-toxic glasslike hoses are easy to install and disinfect
- Over flow protection device prevents liquid from entering the compressor
- Storage jars have an o-ring which ensures ease of access
- Extra fuse for the power converter
- Footswitch pedal and accessories safe storage
- Mobile suction unit on four wheels

ELECTROCOAGULATORS

A wide range of DIXION electrocoagulators can be used for most surgical procedures, including cardiac surgery and urology, where large output power is needed. High-frequency generator guarantees excellent cutting and coagulation within the following operation modes: monopolar cuts, bipolar cut, bipolar coagulation, contact coagulation, spray coagulation.

Electrocoagulators Altafor 1320 Plus



Ideal for use in general surgery, gynecology and orthopedics.

- Microprocessor-controlled generator output regulation
- Wide range of monopolar and bipolar modes
- 10-channel custom programming
- Maximum output power of 200W, very low output resistance of 100-300 ohm (depending on operating mode)
- High frequency generator of 400-500 kHz, guaranteed excellent coagulation cut
- Operating the generator: 4 modes of monopolar cut, bipolar mode cutting and bipolar coagulation, contact coagulation, spray coagulation
- Wide range of accessories in the basic set that surpasses the competition by far

Electrocoagulators Altafor 1330 Plus



Can be used for most surgical procedures. Ideal for use in general surgery.

- Microprocessor-controlled generator output regulation
- Wide range of monopolar and bipolar modes
- 10 channel custom programming
- Maximum output power of 300W, very low output resistance of 100-300 ohm (depending on operating model)
- High frequency generator of 400-500 kHz, the excellent coagulation cut guarantees implementation of interventions on two surgical sites possible simultaneously
- Operating the generator: 4 modes of monopolar cut, bipolar mode cutting and bipolar coagulation, contact coagulation, spray coagulation
- Wide range of accessories in the basic set that surpasses the competition by far
- Compatible with endoscope and argon plasma systems
- Reliable REM (monitoring system through the neutral electrode) for patient safety during the surgery

Electrocoagulator Altafor 1340 Plus



Can be used with most surgical procedures, including in cardiac surgery or urology, where large output powers are needed.

- Microprocessor-controlled power output regulation of the generator
- Wide selection of operating modes, both in mono- and in the bipolar mode
- 10 programming channels for custom programming

Features:

- Maximum output power of 400W
- Very low output resistance of 100-300 ohm (depending on operating mode)
- High frequency generator of 400-500 kHz, which ensures exceptional coagulation cut, implementation of interventions in two places simultaneously
- Operating modes of the generator: 4 modes of monopolar cut, bipolar cut and bipolar coagulation, contact coagulation, spray coagulation
- Compatible with endoscopes and argon plasma systems

Electrocoagulator Altafor 1345 Plus



Can be used for most surgical procedures.

Universal coagulator with a variety of special properties:

- Microprocessor-controlled generator output regulation
- Reliable REM (monitoring system on the neutral electrode) for patient safety during surgery
- Ergonomic 7" LCD TFT display with sharp and high contrast display and innovative user interface.
- "Auto-Start"-function in bipolar operation mode
- 100 channel custom programming

Features:

- Maximum output power of 400W, very low output resistance of 100-300 ohm (depending on operating mode), high frequency generator
- Of 400-500 kHz, the excellent coagulation cut guarantees implementation of interventions in two places at the same time possible
- Operating modes of the generator: 4 modes of monopolar cut, bipolar cut and bipolar coagulation, contact coagulation, spray coagulation
- Wide range of accessories in the basic complementation that surpasses the competition by far
- Compatible with endoscopes and argon plasma systems
- ENDO-CUT mode for operating in liquids



INTENSIVE CARE UNIT

PATIENT MONITORS

Patient monitors are designed for various hospital departments and applications. Fulfilling the needs of cardiac patients, they can be used for critical care, post- anesthesia care and during surgeries.

Modular Patient Monitors

Storm DS3/DS5/DS7



- Anti-glare color TFT LCD touchscreen display with a variety of sizes: 10.4", 12.1", 15" (monitor models DS3, DS5, DS7)
- Ergonomic design
- Possibility to connect an additional independent display
- Fanless cooldown system keeps the monitor working quietly
- Modular construction allows the doctor to assemble dozens of parameters with various modules into one system, as well as to buy more or vary them according to the needs of the hospital
- Monitors can be assembled into Central Monitoring System using wired and wireless connection
- Parametric modules: ICG module (non-invasive impedance cardiography), Anesthesia depth module, Multigas module, SpO2 module, IBP module (invasive blood pressure), Capnometrie module

Modular Patient Monitors

Storm D2/D3/D5/D8



- Anti-glare color TFT LCD touchscreen display with a variety of sizes: 8", 12.1", 14", 17" (monitor models D2, D3, D5, D8)
- Possibility to connect an additional independent display
- Fanless cooldown system keeps the monitor working quietly
- Modular construction allows the doctor to assemble dozens of parameters with various modules into one system, as well as to buy more or vary them according to the needs of the hospital
- Monitors can be assembled into Central Monitoring System using wired and wireless connection
- Each monitor has EMS (Emergency Mobile Server), which is attached to the back of the device and, if required, can be detached and used separately as a compact computer, for example, to transport the patient to another ward
- Parametric modules: ICG module (non-invasive impedance cardiography), Anesthesia depth module, Multigas module (Measurement of the concentration of O2, N2O, CO2 and 5 anesthesia gases inhaled and exhaled), SpO2 module (Optional: Nellcor or Masimo), IBP module, Capnometry module (Optional: sidestream, mainstream, microstream. Suitable for intubated and non-intubated patients and patients dependent on ventilation)

Patient Monitor

DIXION Storm 5900



- Display -10.4" color TFT display
- Portable and reliable total monitoring solution for Intensive care/Intermediate care
- Pacemaker detection, defibrillation and electrosurgical interference protection
- 720s long time full-disclosure waveforms review
- SpCte pulse-tone modulation (Pitch Tone)
- Full ECG waveform display
- Nurse Call function and bi-directional communication with MFM-CMS central station
- Powerful data storage capacity and power off storage
- Complete and flexible mounting solution for transportation and in-patient monitoring
- Data management by PatientCare viewer PC software

Patient Monitor

DIXION Storm 5800



- 15" TFT LCD screen (resolution: 1024x768) with touchscreen option
- Simultaneous display of up to 13 waveforms
- ECG, RESP, PR, SpO2, NIBP, 2 x Temp, HR
- Optional: Capnometry (Respironics in mainstream or sidestream), SpO2 Nellcor sensor, IBP (2 channels), cardiac output, multigas
- Display and analysis of 12 ECG leads
- Storage of graphical and tabular trends of all parameters of last 120 hours, 1200 NIBP measurement results and 60 alarm events
- Nurse call function, bed-to-bed view
- Outputs: VGA, USB (at least one), SD Card, Ethernet, Wi-Fi (optional), 12 V DC and defibrillator synchronization
- Built-in rechargeable Li-ion battery
- Barcode Scanner
- Compatible with DIXION Central Monitoring System

Patient Monitor **DIXION Storm 5600/5600A/5600B**



- Display – 8"/10.1"/12.1"
- CO2 (Sidestream)
- iCARB® algorithm with intelligent CO2 pseudo wave identification technology
- Sampling rate as low as 50ml/min
- ECG: Customizable 6-lead placement for more ECG waves/

Automatic lead type detection/ Industry leading iSEAPTM algorithm with auto-detection of 33 types of arrhythmias/ SEMIP® algorithm with 208 ECG findings over age/gender diversities

- SpO2: iMATM algorithm with outstanding motion resistance and low perfusion resistance performance/ Reference reading of Perfusion Index (PI) from 0 to 10 according to perfusion changes/ Simultaneous measurements of SpO2 and NIBP of the same limb.
- Standard Parameters: 3/5-lead ECG, RESP, SpO2, NIBP, TEMP (5600 : 1-TEMP, 5600A/5600B: 2-TEMP)
- Optional Parameters:
- 6/12-lead ECG, IBP (5600A, 5600B : 2-IBP), C.O. (5600B), CO2
- Nurse Call •VGA Output •Defib Proof & Sync
- Storage of graphical and tabular trends: 1200 NIBP/240 h Trend Review/200 Alarm Review/48 h Waves

Patient Monitor

DIXION Storm 5500



- Suitable for adults, children and infants
- 8.4"/10.4"/ 12.1", TFT LCD display with a maximum of 12 waveforms/Touchscreen option
- Built-in bed fixing
- Storage of graphical and tabular trends of all parameters of last 120 hours, 1200 NIBP measurement results and 60 alarm events
- Output: USB, LAN, VGA, analog output and defibrillator synchronization
- Built-in rechargeable Li-ion battery
- Barcode scanner
- Standard parameters: ECG, RESP, SpO2, NIBP, 2 x TEMP, HR, PR
- Optional: capnometry (respiriconics in main or side stream), SpO2 Nellcor sensor, digital thermometer, IBP (2 channels)
- Option: rechargeable Li-ion battery with up to 7 hours of use
- Option: carrying bag
- Compatible with DIXION Central Monitoring System

Vital Signs Monitor

DIXION Storm 5300



- Provides continuous monitoring of SpO2 (Nellcor – optional) and CO2
- Suitable for adults, children and infants
- Suitable for both intubated and non-intubated patients
- 5.6" LCD display
- Backlight control and standby mode for power saving
- Network capability
- Powerful storage capacity (Trend review – 72 hours, NIBP measurement review – 30,000 groups)
- Built-in rechargeable lithium battery for 8 hours working time
- External 12 V DC power input
- Auto/Manual/ Continuous/average BP mode
- Barcode scanner support
- USB flash disk support, Nurse call
- Setting variants: Wall mount/ Rolling stand/ Bed rail clamp
- Configuration: SpO2 only/ NIBP only/ NIBP + Quick Temp/ NIBP + Infrared Ear Thermometer/ SpO2 + Quick Temp + NIBP/ SpO2 + NIBP + Infrared Ear Thermometer

Patient Monitor **DIXION Storm 5120**



- Apply to hospital, clinic and home
- Suitable for adult, pediatric and neonate
- Portable, easy to carry
- 4.3" color TFT LCD Touch screen with auto rotation function
- Minimal warm-up time for EtCO2 and RR measurements
- CO2 water filter ensuring extended monitoring in a humid environment
- Selectable layout modes including font and waveforms
- Dual work modes: continuous monitoring & spot check
- Adjustable audio and visual alarms
- Large data storage capacity up to 500 groups per ID
- Large capacity Lithium battery can work for more than 18 hours with full charge
- Automatic power-off function for power saving

Patient Monitor

DIXION Storm 5110



- Specifically designed for a reliable and accurate blood pressure measurement
- 4.3" color TFT LCD Touch screen with auto rotation function
- Selectable layout modes including font and waveforms
- Dual work modes: continuous monitoring & spot check
- Adjustable audio and visual alarms
- Large data storage capacity up to 500 groups per ID
- Lithium battery support more than 20 hours continuous working
- Automatic power-off function for power saving
- Suitable for adult, pediatric and neonate
- Apply to hospital, clinic and home

Pulse Oximeter

DIXION Storm 5100



- Designed for non-stop measurement of oxygen saturation (SpO2) and pulse rate (PR) and ECG (als option)
- Standard configuration:
 - Digital SP02, Pulse Rate, Pleth bar& Sp02 waveform
- Optional configuration:
 - Nellcor Sp02, 3-lead ECG, infrared receiving adapter
 - Rechargeable lithium battery (include battery charger & AC-DC adapter), Perfusion index

Pulse Oximeter **DIXION Storm 5000**



- Designed for non-stop measurement of oxygen saturation (SpO2) and pulse rate (PR)
- LCD display with backlight control
- Simultaneous display of numeric and waveform of SpO2
- Dual work modes: monitoring & spot check
- Long battery life – up to 48 hours with AA or Ni-MH rechargeable battery
- Powerful data storage capacity (100 patients or 300 hours SpO2 review)
- The latest 10 min trend graph of SpO2 and pulse rate can be reviewed on the screen
- Compatible with Nellcor sensor
- Pulse-tone modulation
- Adjustable audio und visual alarm

Central Monitoring Station **Storm Dixon**



Central Monitoring Station (CMS) allows you to monitor and control patient's condition in real time, get notifications for each patient when certain parameters go beyond normal range. With the CMS you can also review the history of the saved patient data, print selected parameters, waveforms and trends. All databases are kept in one system which guarantees fast access to needed information.

- Short trends: 12 hours
- Waveforms of all parameters: 96 hours
- Trends: 240 hours
- Alarms: 720
- 720 NIBP records
- Up to 128 monitors in one system
- Up to 20 000 patient IDs
- Wired connection (UTP-cable)
- Wireless connection possible (Wi-Fi)
- Analytics and calculation of drug doses, hemodynamics, respiration and SpO2
- Simultaneous visualization of 32 diagrams from 16 bedside monitors
- Support of HL7 and XML protocols
- Remote operation of patient's monitor:
- Time synchronization
- NIBP measurement
- Changing patient's ID and data
- Setting parameters for critical alarms

VENTILATORS

Electrically-driven and electronically-controlled ventilators are suitable for the use in intensive care unit or emergency rooms with both adults and children.

All ventilators are microprocessor-controlled and equipped with parameter monitoring, waveform monitoring, as well as different ventilation and pressure modes.

Ventilator DIXION Aeros 4600



- Aeros 4600 Plus combines the advantages of a flexible noninvasive ventilator with a full-featured invasive ventilator for the ICU
- Detachable 12.1" TFT color touch screen
- Multi-parameter monitoring
- Comprehensive ICU ventilator including BIVENT and PRVC
- Compact, big capacity battery, no air compressor, intra-hospital mobility
- Flexible device configuration: equipped on a trolley, bed or ceiling pendant
- Unique metal-based, autoclavable, heated exhalation valve
- Built-in flow sensor, non-consumable design
- Upgradeable ventilation system software, with an available USB port

Ventilator DIXION Aeros 4500



- Suitable for intra-hospital transport and sub-acute care of infants, children and adults
- Combines the advantages of a flexible noninvasive ventilator with a full-featured invasive ventilator
- Turbine driven and electronically controlled
- Detachable 12" TFT LCD touch screen
- Invasive and noninvasive ventilation
- Upgradeable to add ET/CO₂ functions
- Comprehensive lung mechanics monitoring
- 72 hours trend with 30 seconds resolution
- Tube compensation and leak compensation
- Compact design, built-in battery capable of running ventilator for 2 hours

Emergency Transport Ventilator
DIXION Aeros 4300S



- Combines advanced technology and versatile ventilation function
- Meets the breathing requirements of adults, pediatric and infant patients
- Pneumatically driven electronically controlled
- 5" LCD screen
- Ventilation Modes: A/C-V with Sigh, A/C-P, SIMV-V, SIMV-P, SPONT/PSV, CPAP, Manual, Apnea Backup Ventilation
- Parameters monitored: Ppeak, PEEP, VT, MV, ftotal, FiO₂, Real Time Curves Pressure-time, Flow-time
- Battery: operating time ≈ 4.5 hours

Portable Ventilator
DIXION Aeros 4300



- Specially designed for emergency and patient transport use
- Suitable for both adults and children
- Compact design
- Built-in respiratory monitor
- Screen: LCD
- Ventilation mode: A/C, SIMV, SPONT, Manual, Combined: SIGH+VCV
- Waveform display and multi-parameter monitoring
- Parameters monitored: Ppeak, Vt, MV, ftotal, Real time curves: pressure/time
- Backup apnea ventilation
- Flexible power supply: A/C, D/C, rechargeable built-in battery

INFUSION PUMPS

Compact and fail-safe DIXION syringe pumps are used for IV infusion with all groups of patients. They provide a high precision of dosage rate, have a sufficient amount of functions and are easy to operate.

Infusion Pump

Dixon Instilar 1550/1550Pro



- High accuracy: $\pm 5\%$
- Anti-bolus function
- Double air bubble detect (Instilar 1550 Pro)
- Double pressure detect (Instilar 1550 Pro)
- DERS (Drug error reduction system) - (Instilar 1550 Pro)
- IP Level: IP34
- 9 hours battery back-up time
- 4.3" colourtouch screen
- Intuitive operation system
- Automatic calibration
- Inter-Lockable

Infusion Pump

Dixon Instilar 1450/1450Pro



- High accuracy: $\pm 2\%$
- Fast start function against start delay
- Anti-bolus function
- DERS (Drug error reduction system) - (Instilar 1450Pro)
- IP Level: IP34
- 11 hours battery back-up time
- 4.3" colourtouch screen
- Intuitive operation system
- Automatic calibration
- Inter-Lockable

Feeding Pump DIXION Instilar 1420



- Withdraw and cleaning at adjustable rate
- Fluid warmer at adjustable temperature
- Pumping Mechanism - Curvilinear peristaltic
- Real-time infused volume
- Automatic power switching
- Mute button, Purge, bolus, history log

Infusion Pump

DIXION Instilar 1410



- 3.2" TFT color display, interface style free switching, bid farewell to monotonous colors
- Up to 9 kinds of alarms, sound, light, figure and text instructions
- Wireless monitoring system to easily realize network interconnection
- Five infusion modes
- Can store 50,000 history records, independent or online query

Dual Syringe Pump

DIXION Instilar 1428



- Pop-up monitor: large screen 125 mm (128 × 64 pixels), setting with convenient operation interface providing an accurate control of both parameters and infusion process
- Wide range of the adjustable occlusion level
- Setting of the flow rate according to the syringes of different specification
- Control knob combined with a keyboard to simplify operation
- Automatic calculation of the flow rate according to the set infusion volume and time
- Operation modes: Continuous flow rate infusion mode/ Volume & time infusion mode/ Intermittent infusion mode/ Bolus & infusion mode



NEONATOLOGY

INFANT INCUBATORS

Intensive care DIXION infant incubators with airtemp and skin-temp servo-control are equipped with a micro-computer. A special air circulation system inside the apparatus minimises the flow in the hood environment. Chamber side windows are equipped with transparent leaves and flexible sleeves. The automatic curtain reduces heat loss.

Infant Incubator

DIXION BabyGuard I-1125



Infant Incubator Babyguard I-1125 is designed for transport and intensive care.

Infant Incubator Babyguard I-1125 with computer controlled air-temp/skin-temp system is equipped with built-in battery, that allows using it in neonatology department as well as in ambulance, during the patient transportation.

- Mode of control: Air mode and Baby mode controlled by micro-computer
- AC/DC power alternatively
- Multiple failure alarm indication
- Passive air humidification in the chamber
- Double-walled hood (acrylic-glass) with side door (so that the bassinet can be pulled out from it)
- The height of the unit is adjustable
- Oxygen supply system
- Observation lamp
- Set temp/Air temp/Baby temp/battery capacity can be displayed separately
- >37°C temperature set function (optional)

Infant Incubator

DIXION BabyGuard I-1120



Infant incubator BabyGuard 1-1120 for intensive care is air-temp, skin-temp, air humidity and oxygen concentration servo-controlled by a micro-computer. Its graphic display represents all trends, which allows the doctor to make «at-a-glance» assessment of the environment inside the incubator.

- Air temperature and skin temperature servo-control
- Air humidity servo-control
- Oxygen concentration servo-control (optional)
- Basic stand on wheels and with brakes
- Built-in weigh scales (optional)
- 3 drawers for belongings and shelves for additional equipment
- IV stand
- Side windows of the chamber are equipped with transparent leaves and flexible sleeves
- Front access window with iris diaphragm
- Smooth bassinet adjustment
- X-ray film cassette
- Electronic control
- Film control keyboard
- Large LCD display reflects real skin and air temperature, set air temperature, heating, graphic trends (up to 48 hours)
- 9-alarm option
- RS-232 interface for distance control
- Vertical height adjustment stand

Infant Incubator

DIXION BabyGuard I-1107



• Infant incubator BabyGuard I-1107 for intensive care is air-temp, skin-temp, air humidity and oxygen concentration (optional) servo-controlled by a micro-computer and equipped with a special air circulation system inside the apparatus which minimizes the flow in the hood environment. The automatic curtain reduces the heat loss. The double-walled hood conserves the heat for 2 hours.

- Air temperature and skin temperature servo-control
- Air humidity servo-control
- Oxygen concentration display system
- Double-walled hood
- Basic stand on wheels and with brakes
- Weigh scales (optional)
- 3 drawers
- Side windows of the chamber are equipped with transparent leaves and flexible sleeves
- Front access window with iris diaphragm
- Smooth couch adjustment
- Film control keyboard
- LED indicators reflect real temperature of skin and air, set temperature of air, heating
- 9-alarm option
- RS-232 interface for distance control

Infant Incubator

DIXION BabyGuard I-1103



Infant incubator BabyGuard I-1103 for intensive care is air-temp and skin-temp servo-controlled by a micro-computer and equipped with a special air circulation system inside the apparatus which minimizes the flow in the hood environment. The automatic curtain reduces the heat loss. The double-walled hood conserves the heat for 2 hours.

- Mode of control: Air mode and Baby mode controlled by micro-computer
- Passive air humidification in the chamber
- Double-walled hood
- Basic stand on wheels and with brakes
- Weigh scales (optional)
- 3 drawers
- Side windows of the chamber are equipped with transparent and flexible sleeves.
- Front access window with iris diaphragm
- Smooth bassinet adjustment
- Film touchpad control
- LED indicators reflect real temperature of skin and air, set temperature of air, heating
- 7-alarm option
- RS-232 interface for distance control

OPEN REANIMATION SYSTEMS

DIXION Open Reanimation Systems with three control modes (pre-warm mode, manual mode and baby mode) are controlled by a micro-computer.

Open Reanimation System **BabyGuard W-1145**



- Three control modes: pre-warm mode control, manual mode control and baby mode control by micro-computer
- The information can be stored, consulted and indicated by the LCD display screen
- Failure alarm indication
- Horizontal angle of warmer module and inclination of the bassinet is adjustable
- The panels around bassinet can be turned outward
- Silicon mattress is heatable and temperature is controllable
- With LED phototherapy function
- APGAR timer
- Vertical height adjustment (VHA) stand

Open Reanimation System **BabyGuard W-1140/ W-1140-02**



- Three control modes: pre-warm mode control, manual mode control and baby mode control by micro-computer
- Set temperature and baby temperature can be displayed separately
- Failure alarm indication
- Horizontal angle of warmer module and inclination of the bassinet is adjustable
- The panels around bassinet can be turned outward
- X-ray cassette under the bassinet
- Timer to count phototherapy time
- APGAR timer
- RS232 connector

PHOTOTHERAPY UNITS

DIXION neonate bilirubin phototherapy equipment consists of a lamp and a mobile stand. It can be used with a mobile stand (Mobile Phototherapy Unit), or without it to be placed on an incubator hood.

- Compatible with any incubator
- Lamp stand on wheels with brakes

Phototherapy Unit U-1133



- U-1133 is used for infant hyperbilirubinemia treatment
- Compatible with any incubator
- Blue light lamps (adjustable angle and height)
- Wavelength - Blue light 420 – 470 nm
- Stand with 4 pcs casters with brakes
- Adjustable height and angle of the lamp module

Phototherapy Unit U-1131



- U-1131 is used for infant hyperbilirubinemia treatment
- Compatible with any incubator
- Blue light lamps (adjustable angle and height)
- Wavelength - Blue light 420 – 470 nm

Infant Radiant Warmer **DIXION BabyGuard Y-1135**



- 4 ceramic heaters with protective covering for burns
- Stainless steel stand
- Temperature regulator
- Height of the lamp controller 116 cm-164 cm
- Lamp base on wheels with brakes
- Heating speed - 0.3 °C/min

FETAL MONITORS

DIXION fetal monitors provide maternal/fetal monitoring before and during the birth, what ensures high quality of birthing experience and excellent patient care. These fetal monitors are used for the entire continuum of antepartum, intrapartum and postpartum.

Fetal Monitor

DIXION Overtone 6200



Overtone 6200 is a small and lightweight fetal monitor for the monitoring of the unborn child. Two versions allow the best choice for optimal functional configuration: prenatal diagnosis of an unborn child or twins and diagnosis of an unborn child before and during birth. There is a possibility of connection to the central monitoring station via network connector.

- Foldable 5.6" color TFT screen
- Large numeric and waveform display
- Backup memory for seamless monitoring
- FHR signal quality indicator
- Signal overlap verification to separate FHR of twins
- Built-in thermo printer
- Fast printing of stored traces
- Long-life Li-ion battery
- PC management software and Central Monitoring System supportive
- Convenient probe rack and compact design
- USB port enables memory expansion
- Portable and lightweight (3.5 kg)
- 60-hours data storage
- Built-in CTG analysis system (optional)

Fetal Monitor

DIXION Overtone 6900 lite



This monitor is designed for fetal monitoring of twins before and during birth conceived (functionality depends on technical specification).

- Folding 10.1" color screen
- Compact and portable design
- Simultaneous display of numeric and waveform display of FHR and TOCO
- 60 hour built-in memory for seamless monitoring
- Backup memory for seamless monitoring
- FHR signal quality indicator
- Signal Overlap Verification to separate twins FHR
- Built-in longlife thermal printer
- Fast printing of stored traces
- Longlife Li-ion battery
- PC Management Software and Central Monitoring System supportive
- Convenient probe rack and compact design
- USB port enables memory expansion
- Wired and wireless central monitoring solutions

Fetal Monitor

**DIXION Overtone
6900/6900Exp**



Overtone 6900 is designed for the entire continuum of antepartum, intrapartum and postpartum applications. It offers the most advanced integrated monitoring for the delivery room and antepartum department.

- Folding 12.1 " color display
- 12-crystal waterproof ultrasound transducer
- Data display in real-time mode
- 60 hours waveform playback
- Sound signals are saved each hour and can be played back
- Sound and light alarms with adjustable range
- Transducer for accurate automatic detection
- Built-in network interface
- Lightweight, space-saving, easy to fix to the table or wall
- Monitoring of the following functions: FHR (twins), TOCO monitoring, fetal movement mark, maternal data: Temp, NIBP, SpO2, ECG, pulse (Overtone 6900 Exp)
- Built-in battery
- Software allows data transfer to PC.
- Central Monitoring System DIXION MFM-CNS is available as option
- Built-in CTG analysis system
- Options: Fetal stimulator, Touchscreen

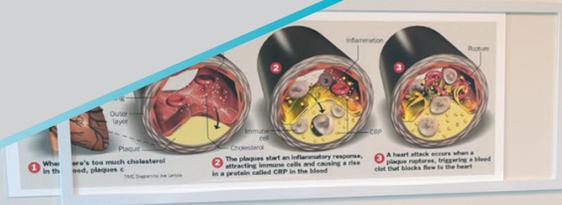
Central Monitoring Station

DIXION Overtone



Overtone central monitoring system provides professional central monitoring solution for ICU, CCU, NICU, Obstetrics & Gynecology Room, General Ward. It can provide powerful server to build wire/wireless LAN monitoring system covering the whole hospital. Overtone CMS can also support PACS, HL7 and HIS system to realize information share and specialist network diagnosis.

- Wire and wireless central monitoring system
- Slave monitor at doctors room 19 inch
- Single & Dual screen central monitoring solution
- Standard TCP/IP network interface
- Single screen for monitoring 16 bedside monitors
- Dual screen for monitoring 32 bedside monitors
- Bi-directional communication to realize mutual control of central monitor and bedside monitor
- Large storage capacity: 720 hours full disclosure waveform review, 1240 hours trends graph review, 1000 alarm records review, 50 000 patient historical data
- Displaying waveforms and data of parameters ECG, Spo2, RESP, NIBP, EtCO2, FHR, TOCO, FM
- User-friendly software design, easy operation, high concentration data management



DIAGNOSTICS

ELECTROCARDIOGRAPHS

A wide range of DIXION electrocoagulators can be used for most surgical procedures, including cardiac surgery and urology, where large output power is needed. High-frequency generator guarantees excellent cutting and coagulation within the following operation modes: monopolar cuts, bipolar cut, bipolar coagulation, contact coagulation, spray coagulation.

Workstation

ECG Dixon 1018



The 18/15-lead ECG brings more information on right precordial and posterior wall, helping doctor find the accurate location of the myocardial infarction or ischemia, and apply right treatments, preventing possible tissue death.

- All-lead (18/15/12/9-lead) ECG workstation
- 15" touch screen
- Waterproof alphanumeric keyboard
- Interface – VGA, USB, and SD card slot
- 18/15-lead Resting ECG for MI Diagnosis
- 12-lead Standard Resting ECG
- 9-lead Resting ECG Specially Designed for Neonates
- Pharma Study
- Vector ECG & Timed Vector ECG (VCG&TVCG)
- Signal Average ECG (SAECG)
- Heart Rate Variability (HRV)
- ST-view function (Intuitive Display of ST-segment)
- Auto Arrhythmia Detection
- On-screen Diagnosis

12-Channel ECG

Dixon ECG-1012 Expert



Modern easy-to-use expert class ECG machine with notebook design. Designed for both in-hospital and mobile use. Provisional diagnosis output. Automatic data interpretation. It is possible to preview a report for both real-time printing and file storage. Doctor can set the printing style, printing speed, sensitivity and use filter to get better waveforms instead of repeating the examination.

- 12.1" foldable antiglare color touch screen
- 12-channel ECG waves are displayed and recorded simultaneously
- Curves "pause" and "repeat" for arrhythmia episode determination
- Internal storage for up to 800 ECGs
- Waveforms and auto-diagnosis results preview before printing
- Heart rate variability (HRV) analysis
- Data transmission to PC via series port Ethernet/USB/internal Wi-Fi
- Flexible Printing Solution (built-in high resolution thermal recorder to print on normal thermal paper and A4 size fax paper+ support external USB printer)
- Anti-noise technology with comprehensive filters and the high CMRR 140 dB
- Stress test (Optional)
- 120 real-time ECG waveform freezing and review
- Support linear/2d barcode scanner
- Trolley and cable bracket
- ECG preview before printing

12-Channel ECG

Dixon ECG-1012

Lightweight and portable digital 12-channel ECG machine. Large graphic LCD with backlight. Internal ECG data storage (800 ECG records). Automatic ECG data interpretation. Built-in rechargeable lithium battery. Built-in high resolution thermal recorder to print on normal thermal paper 210 mm or 215 mm and A4 size fax paper (support external USB printer). USB interface for patient record transmission. Data transmitting to PC via LAN/ internal Wi-Fi. Sleep/Wake-up mode. Various report formats.

- Compact and lightweight design with carry handle
- 8" high-resolution color touch screen
- USB/LAN connection to PC data transmission (Wi-Fi - optional)
- Data recording, analysis, printing and storage provided by pressin one button
- Sleep/Wake-up mode for saving energy and extending LCD life
- Various report formats to meet different needs
- Automatic arrhythmia detection and recording
- Support linear/2D barcode scanner
- Internal storage of up to 800 digital ECG records, including analysis and interpretation

3-Channel ECG **Dixon ECG-1003**

Portable digital 3-channel ECG machine with modern design. Easy to use with a membrane keyboard. ECG data storage. Automatic ECG data interpretation. Built-in battery and automatic switch-over of power supply. Built-in thermal printer. Data transmission to PC.

3-Channel ECG

Dixon ECG-1003p

This is a new generation 3-channel ECG, which incorporates benefits of the advanced technology and innovative design. The device has an extremely compact and lightweight body and is designed for emergency rooms, home visits, etc.

- For adult and pediatric patients
- One-button Operation
- 5" full-touch screen
- Weight < 1 kg
- External Device Support
- Two USB ports and one microSD card slot
- Connectable to barcode scanner, external printer, USB Memory Drive as well as microSD card
- For data transmission – LAN, build-in Wi-Fi, built-in GSM/GPRS cellular modem
- Exports ECG reports in – PDF and optional SCP, XML, DICOM
- With a fully charged battery, can work up to 8.5 hours

- Folding LCD display 320×240mm
- 3-channel representation of all 12 leads simultaneously
- Flexible printing solutions
- Built-in high resolution thermal printer
- Built-in rechargeable Li-ion battery, AC/DC power supply
- Well designed touch panel
- Ethernet, RS-232, USB connection to PC Data transmission
- Automatic ECG parameter measurement and interpretation tested with AHA/CSE/MIT databases
- Complete digital filter, no baseline drift, AC, EMG interference
- Baseline automatically adjustable, optimizing printing position
- Auto/manual operation selectable
- Lead-off detection and alarm
- Internal storage for up to 500 ECG records

DIXION X-Ray Viewers



Super Thin LED High Luminance x ray illuminator

The highest average luminance for the latest x ray illuminator is more than 4,000 cd/m² (illuminance 13,000 lux). This new type of patent product adopt with the international advance technology high luminance LED as the backlight. Compare with the former CCFL for LCD product, the highest luminance increase from 1200cd/m² to over 5000cd/m² (16,000 lux), it could be used for viewing and diagnosis high density digital film and mammography film.

The three-dimensional design frame use silver and dark gray, and the new-style material such as electrophoresis aluminum-alloy, plastic alloy etc. It shows the nobler character. The shape is thin, the thinness is only 4cm. Automatic switch - The viewing area will be bright when insert the film and it will be black out when extract the film out. 4. Luminance adjusting for large-scale(300-4,000cd/m²). It meets the viewing and diagnostic requirement

for different density film of simulation, digital and mammography adequately.

The life of LED is 100,000 hours. It is over 5 times than the CCFL lamp.

10 000K white and light-blue light color temperature is more suitable for viewing and diagnosis film than the 6500K white light.

Adopt with the import Acrylic euphotic panel, high finish degree, uniformity and soft light. Long life for use and not easy to be transmutation and yellow discolouration.

Adopt with LED backlight technology. There is no dark area in the viewing area. The uniformity of the viewing screen is more than 90%.

Adopt with the global voltage 90V-240V Built-In electrical source. Leading technology, save space.



MEDICAL FURNITURE

MEDICAL FURNITURE

Our product line includes a wide range of medical furniture for equipping hospitals and medical practices:

- Functional beds
- Intensive care beds
- Stretchers
- Gynecological coaches
- Delivery beds
- Examination beds
- Hospital bedside cabinets etc.

Medical beds are designed to provide quality care for bedridden patients. The design of the medical bed facilitates patient care as well as allows the patient to change the configuration of the bed. Multifunctional medical beds usually consist of several sections - depending on the patient's need, the tilt angle of the respective section can be adjusted. In order to facilitate patient transport, many models are equipped with wheels with brakes. Depending on the purpose, the beds can be supplemented by removable side panels, fixed or bedside tables/cabinets, anti-decubitus mattresses as well as additional structures, such as lifting poles, infusion stands etc.



The logo for DIXION, featuring the word "DIXION" in a bold, teal, sans-serif font. The letter "X" is stylized with two parallel diagonal lines crossing through it. The logo is centered on a white background with large, abstract, rounded shapes in shades of teal and light blue behind it.

DIXION

Vertrieb medizinischer Geräte GmbH

Couvenstr. 6, 40211 Düsseldorf, Germany

Tel. +49 (0)211 38838868

Fax +49 (0)211 38838697

www.dixion.de

info@dixion.de