THE ART OF DIAGNOSTICS

SCHILLER. We help save lives.

SCHILLER

I N D I A

About SCHILLER in India

Over the last 27 years, SCHILLER has established itself as a leader in the medical technology sector in India. With 400+ employees, two production centres and a R&D facility SCHILLER makes state–of–the–art healthcare equipment accessible through a network of 100 sales & service dealers spread across more than 45 locations. Our product range covers Critical Care, Anaesthesia, Emergency Care, Cardiology, Pulmonology, Radiology and Robotics.


About SCHILLER

SCHILLER, founded in 1974 by Alfred E. Schiller is a successful group with 30 subsidiaries and a global sales network. Today, SCHILLER is a world-leading manufacturer and supplier of devices for cardiopulmonary diagnostics, defibrillation and patient monitoring as well as software solutions for the medical industry.

For more information please visit our website:
www.schillerindia.com

OR scan the QR code below:
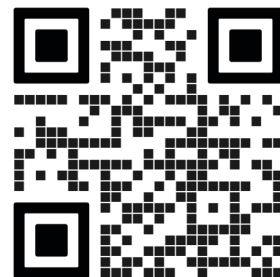
SWISS
✛
TECHNOLOGY

CONTENT

RESTING ECG

> CARDIOVIT® AT-1 G2

> CARDIOVIT® AT-102 G2

> CARDIOVIT® FT-1

> CARDIOVIT® FT-2

EXERCISE ECG

> CARDIOVIT® CS-10/20

> CARDIOVIT® AT-180

> CARDIOVIT® CS-104

> CARDIOVIT® CS-200 Office

> CARDIOVIT® CS-200 Excellence

CARDIOVIT® AT-1 G2

The power of Simplicity

- 5" high resolution colour LCD display
- Optimal signal quality for adult & paediatric ECG
- Real-time signal preview & quality check, with lead reversal detection
- ECG overview of all 3 channels including colour coded lead quality check
- Easy patient data entry
- Battery backup: 4 hours of continuous operation with Pb gel rechargeable battery
- High-resolution thermal printer; with selectable lead formats; compatible with Z - folded 70*80 mm
- Sampling frequency of 32,000 Hz
- Memory: 100 ECGs in PDF format (only for export to USB stick)

OPTIONAL
- CCAA (Culprit Coronary Artery Algorithm)
- ETM interpretation for adult and paediatric: 12-lead ECG interpretation program

CARDIOVIT® AT-1 G2

CARDIOVIT® AT-102 G2

Easy, smart and state-of-the-art

- Simultaneous acquisition of all 12-leads & 6 / 12-channel display & printout
- Large 8" colour LCD Screen
- 12 numbers of Multi-Touch functional keys available
- Animated Anatomical Hook Up Advisor for ECG electrodes placement
- Alphanumeric keypad with direct function keys
- Detailed interpretation & Measurement software available
- Pacemaker Detection
- Internal Memory of 350 ECG Recordings
- Various Printout formats on internal thermal printer – 210 mm
- Battery backup of 8 hours
- Rhythm ECG Recording from 30 sec to 10 min
- PDF Export to USB stick
- Print preview option is available
- SCHILLER Communication module for LAN transmission
- WLAN for data transfer to PC

CARDIOVIT® AT-102 G2

OPTIONAL
- Advanced algorithm – ETM Interpretation for Adult & Paediatric with ETM Sport
- Exercise ECG
- Spirometry with SpiroScout SP Plus
- Work list option
- Barcode Reader
- CCAA (Culprit Coronary Artery Algorithm)
- HL7/DICOM Compatibility with ECG Data Management Software

CARDIOVIT® FT-1

Maximum performance in a compact electrocardiograph

- 8" High-Resolution multi-touch colour display with simple swipe gesture
- Colour coded ECG display
- Compact, portable & smaller than a tablet
- Light weight, weighing 1.1 kg
- Real time simultaneous 12-lead ECG acquisition
- Onscreen Anatomical Hookup Advisor for real time signal preview and quality
- Lead reversal detection for misplacement of electrodes
- On-screen review of ECG, Interpretation & Measurements
- High sampling frequency of 32,000 Hz
- Large internal memory of 350 ECG
- Extended battery backup of 4 hours of continuous display
- Integrated thermal printer
- PDF Export to USB stick
- SCHILLER link software for PDF export

OPTIONAL
- ETM Interpretation for Adult & Paediatric with ETM Sport
- Culprit Coronary Artery Algorithm (CCAA) for STEMI detection
- Barcode Reader
- HL7/DICOM Compatibility with ECG Data Management
- Software
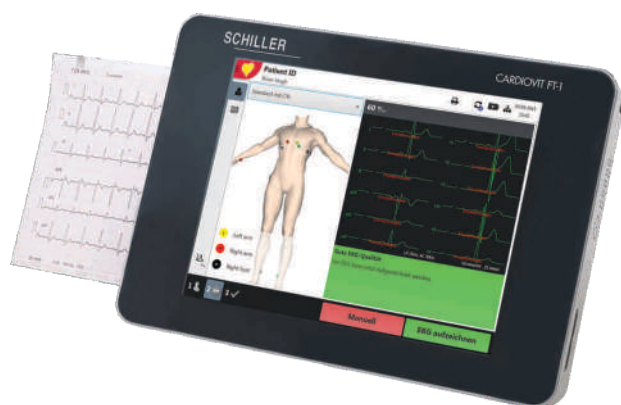
CARDIOVIT® FT-2

Designed for hospital use

The CARDIOVIT® FT-2 stands as SCHILLER's inaugural mobile electrocardiograph equipped with an optional thermal printer. Tailored for hospital settings, this device embodies an innovative design, featuring a highly hygienic 15" multitouch display, advanced cybersecurity measures, and comprehensive connectivity features.

- Large, easy to clean and easy to use 15" multi-touch display
- Resting ECG with the SCHILLER ECG interpretation algorithm ETM, including ETM Sport
- Resting rhythm recording up to 20 minutes
- Internal memory for at least 350 resting ECGs, 100 rhythm ECGs and 100 spirometry recordings
- Security-hardened Linux kernel to minimize the risk in case of cyber attacks
- Configurable access control with user name and password
- Wi-Fi protocols including certificate-based authentication

OPTIONAL
- Spirometry, based on the ultrasound technology of the SpiroScout SP plus
- Thermal printer
- Trolley
- Barcode Reader
- HL7/DICOM Compatibility with ECG Data Management Software
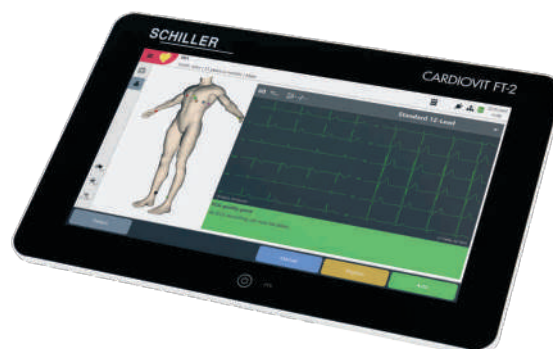
CARDIOVIT® FT-1

CARDIOVIT® FT-2

CARDIOVIT® CS-10/20

PC based Stress Test System

- Digital Signal Acquisition Module which eliminates noise and gives distortion-free ECG signal
- Display and printouts of 12-leads RAW ECG during Exercise Mode
- Full disclosure of all 12-leads
- The 12-lead RAW ECG Data is stored for the entire test and can be reviewed, reanalysed, beat by beat facility to view, compare and print Average Complex, ST graphs and tables of all 12-leads for all stages
- Laser printer provides high quality stage-wise printouts on ordinary A4 sized paper, saving on cost of consumables
- The final report includes information for Blood Pressure (entered manually), Heart Rate, Speed / Grade ST Trends, relating to stage-wise and Recovery Phase
- Automatic (**Only with CS-20**) / User selectable Isoelectric, J & Post J points during stress test
- Enlarged QRS complex with Dynamic Scanning Clinical history, medication, End Point Criteria are all pre-formatted
- Time based METS calculation
- Online Linked Median printing (**Only with CS-20**)
- Treadmill Soft Stop option for stopping the treadmill after 20 seconds in Recovery Mode
- Customised Lead Sequence for displaying 6 Channel of user choice
- User can add stage wise comment for the test (**Only with CS-20**)
- Lead with Maximum ST Level Depression or Elevation in the Average Complex
- Identity Card ECG printout
- User can edit Summary Report and can change BP, ST level and slope, HR values, medication, etc. before taking a print
- User selectable Protocols and stress information

OPTIONAL

- Spirometry (**Only with CS-20**)
- Wireless transmission via Bluetooth of real time 12-lead ECG data from patient to acquisition system (**Only with CS-20**)

CARDIOVIT® CS-10/20

CARDIOVIT® AT-180

High-performance 16-channel ECG System

This multi-use workstation combines the largest touch screen with advanced clinical tools. SCHILLER's high-end electrocardiograph AT-180 is based on the new SCHILLER software platform. It offers robust design for the busiest hospitals, as well as a combination of applications that makes it the ideal multi-use workstation for private practices.

- 18.5" high-resolution multi-touch screen for easy ECG review
- Full-size keyboard with a durable, exchangeable cover keeping dust, dirt and liquids away, making it highly hygienic
- Resting rhythm upto 20 minutes
- Hook-up adviser with colour-coded waveforms and anatomical model
- Lead reversal detection
- Exercise test option
- Various optional diagnostic analysis programs
- Resting 16-lead acquisition and analysis (optional): Based on real measurement data, not just calculations
- Fast and secure bi-directional Wi-Fi communication (including PDQ and Worklist)

OPTIONAL

- Resting 16-lead acquisition and analysis
- ETM, SAECG, Vector ECG, Arrhythmia Detection, ECG re-measurement, 10 seconds resting ECG from resting rhythm
- HL7/DICOM Compatibility with SEMA ECG Data Management Software

CARDIOVIT® AT-180

CARDIOVIT® CS-104

CARDIOVIT® CS-104 combines all essential ECG features and desired possibilities in an integrated system. CARDIOVIT® CS-104 is also available as Resting ECG PC Software and Spirometry PC Software.

With CARDIOVIT® CS-104, SCHILLER offers a complete ECG system for practices, clinics and hospitals. The unit includes a PC, a monitor, a trolley and a wireless (MS-12 blue) or wired (MS-12 USB) acquisition module. Optionally, CARDIOVIT® FT-1 can be used for ECG acquisition. Everything is pre-installed and tested by SCHILLER and is ready to be used in clinical practice.

- Resting ECG with measurement
- Resting rhythm recording for up to 20 minutes
- ECG Framer: 10-second resting ECG from resting rhythm Exercise ECG with optional arrhythmia detection
- Full Visual comparison
- Pacemaker detection
- Lead reversal
  Hookup Screen, Electrode Placement and Check - ECG leads location in 3D
- Exercise ECG
- Integrated workstation for data review from all SCHILLER devices connected to the optional SCHILLER Server

OPTIONAL
- ETM - ECG Interpretation with ETM Sport version 2 interpretation for athletes
- Arrhythmia Detection
- Vector ECG
- Automatic Blood Pressure recording through BP-200 Plus Spirometry, based on ultrasound technology of the SpiroScout SP plus
- Bi-directional connectivity (including worklist and PDQ) to EMR, HIS and PACS Systems
- HL7/DICOM Compatibility with SEMA ECG Data Management Software

CARDIOVIT® CS-200 Office

Exercise-ECG with maximum freedom

- Automatic ECG recording mode with selectable print formats
- Patient editing / User defined print formats / Patient search function
- PDF generation and PDF export
- Dynamic protocol generator for exercise ECG
- Enlarged QRS presentation
- User definable protocols to control bicycle or treadmill ergometer
- Artifact and noise processing
- Pacemaker detection
- Real-time continuous ST-measurement
- ST Ref, ST Amplitude, ST Ampl Slope Trend, HR BP Load
- Trend and documentation during recovery phase with configurable text modules
- MS12 acquisition through Bluetooth or USB connectivity
- ECG Sampling rate of 8000 Hz

OPTIONAL
- Multi-Touch Panel PC 22"
- Trolley X2
- ETM Interpretation – computer-aided Resting ECG interpretation for adults and paediatric patients
- ETM Re-Interpretation Software
- ETM Sport Software
- Vector Loops (3D) Software
- Arrhythmia Detection / Documentation Software
- RISK (risk factors) Software
- BP-200 Plus – Automatic blood pressure measurement device
- HL7/DICOM Compatibility with SEMA ECG Data Management Software

CARDIOVIT® CS-104

CARDIOVIT® CS-200 Office

CARDIOVIT® CS-200 Excellence

Dedicated workstation for Resting & Exercise ECG

- Automatic and manual ECG recording modes with selectable print formats
- Simultaneous acquisition & display of 12 of raw ECG for quality diagnosis
- Large Colour LCD monitor enables display of all 12-lead on a single screen
- Built-in Pacemaker detection, Pacemaker Measurement & QT Dispersion software
- PDF generation and editing
- Easy connectivity through standard LAN
- On board SEMA data management software which allows physician to recall any stored data for Review / Analysis /
- Validation & Printing
- The systems provide raw ECG data and averaged ECG data of any given time in different screen and printing formats
- The "EXEC EXPERT" software for exercise ECG of 12-lead
- The "EXEC Plus" program allows full disclosure and review of all 12-lead for beat by beat analysis & re-analysis of entire stress test
- Serial comparison of previous tests available
- Pre-defined protocols are available for treadmill and ergo devices separately along with user configurable protocol option
- Final report includes stagewise trend information for Blood Pressure, Heart Rate, Speed, Grade, ST Trends, ST-HR Plots &
- Average complexes of all 12-lead
- Auto ST max feature to identify the specific lead which has maximum ST deviation
- REAL TIME BAR GRAPH to provide ST changes in all 12-lead
- Treadmill or Bicycle can be interfaced for stress test
- ECG Sampling rate of 8000Hz
- The "SCHILLER Echoview" software gives an instant visual analysis of ECG data changes, particularly ST segment changes Stage-wise and final summary reports on built-in A4 size thermal printer or, external laser printer, with multiple print formats
- RISK Duke Score feature & Drug Test option
- Specialized filters for noise reduction with no compromise on the ECG quality

OPTIONAL
- 16-lead ECG
- BP-200 plus: Automatic Blood Pressure & SpO2 measurement device Spirometry
- HyperQ software
- Vector Cardiography
- Signal Averaging ECG software (Late Potential)
- AF tool box for atrial analysis
- Arrhythmia detection
- The "ETM" software allows interpretation for adults & paediatrics resting ECG also ETM Sport software for athlete interpretation
- HL7/DICOM Compatibility with SEMA ECG Data Management Software

CARDIOVIT® CS-200 Excellence

COLT® Treadmill

Treadmill for PC Based Stress Test

» Treadmill Interface provided with all SCHILLER Stress ECG devices
» COLT® is built for comfort & to last with its thick walking belt and sleek design
» Wide walking area
» Speed: Maximum 15 kmph
» Patient load up to 250 kg
» Up to 22% of elevation available
» Built-in RS 232 port for treadmill communication

COLT®

MUSTANG®

Heavy Duty AC Motor Treadmill

» Powder coated, dust isolation and deluxe non-slip footpad
» Speed: 0 to 22 kmph
» Wide walking area
» Maximum Patient Weight: Up to 250 kg
» Elevation: 0 to 25% grade, continuously variable (0.1% resolution)
» Interface: Serial RS-232

MUSTANG®

CARDIO PULMONARY EXERCISE TESTING

> CARDIOVIT® CS-200 Office ErgoSpiro
> CARDIOVIT® CS-200 Excellence ErgoSpiro

CARDIOVIT®
CS-200 Office ErgoSpiro

Covers all essential ErgoSpiro applications

» Cardiopulmonary Function Test (CPET) System designed according to the latest ATS / ERS guidelines
» Metabolic tests combined with diagnostic-quality 12-lead exercise ECG is suitable for a wide range of subjects, from clinical patients to high-performance athletes
» Dual screen allows more flexibility and easy operation
» The PWC Ergo forms the heart of the system. Together with the pneumotach, it ensures the highest possible accuracy
» Breath-by-breath analysis of Metabolic response (VO_2, VCO_2, METS, RER) with unique maintenance-free ultrasonic cell for CO_2 measurement; easy, quick and fully assisted calibration for highly accurate measurements
» Breath-by-breath analysis of gas exchange ($PETCO_2$, $PETO_2$)
» Charts and data display through standard or user-defined 9 panel
» Multiple ventilatory threshold detection analysis with 7 different threshold determinations
» Charts and data display through 9 panel
» Offline entry of blood gas parameters
» Fully integrated 12-lead Resting and Exercise ECG with wireless (MS-12 blue) or wired (MS-12 USB) acquisition module improves patient comfort
» Full disclosure storing of the unfiltered, continuous ECG signals
» Compatible with Ergo Bicycle, Arm Ergometer and Treadmill
» Comprehensive protocol editor program to create individual ramp and step protocols
» Customized reports including export to PDF format

OPTIONAL

» Automatic blood pressure measurement with optional built-in
» SpO_2 module from BP-200 plus
» Vector ECG
» ETM automatic interpretation for Resting ECG; ETM Sport for interpretation of athletes' hearts
» Arrhythmia detection in rhythm and exercise ECG
» Risk Duke Treadmill Score
» Automatic ECG Interpretation for resting ECG
» HL7/DICOM Compatibility with SEMA ECG Data Management Software

CARDIOVIT®
CS-200 Excellence ErgoSpiro

The Art of Cardiopulmonary Exercise Diagnostics

» Integrated 12-lead Exercise ECG with full disclosure
» SCHILLER ETM ECG analysis program with measurement and interpretation
» Duke Treadmill Score assists you in predicting patients at risk of sudden cardiac death
» True breath-by-breath analysis of metabolic response, ventilatory response, cardiovascular response and gas exchange
» Real time acquisition and capturing of dynamic Flow Volume for End Expiratory Volume Loops (EEVL) evaluation of ventilatory limitation
» Display data and charts through standard Wasserman 9-panel plot or custom 9-panel graph
» Automatic detection of AT (VT1) and RCP (VT2) at the end of each test
» Powerful post-edit option for data filtering calculation of thresholds VT1, VT2, VO_2max, V-Slope and other parameters
» Multiple ventilatory threshold-detection analysis with 7 different threshold determinations
» Protocol Editor program for creating individual protocols
» Automatic arrhythmia detection and classification
» Unique dynamic protocol selection according to VSAQ nomogram (Veterans Specific Activity Questionnaire)

OPTIONAL

» SAECG
» Vector 3D ECG
» 16-lead ECG for resting & exercise ECG
» HyperQ
» EMR & HIS integration through SEMA software
» AF Toolbox
» ECHO view for HRV
» BP-200 plus: Automatic Blood Pressure & SpO_2 measurement device
» HL7/DICOM Compatibility with SEMA ECG Data Management Software

CARDIOVIT® CS-200 Office ErgoSpiro

CARDIOVIT® CS-200 Excellence ErgoSpiro

ECG HOLTER AND AMBULATORY BP RECORDER

ANALYSIS SOFTWARE FOR CARDIOLOGY

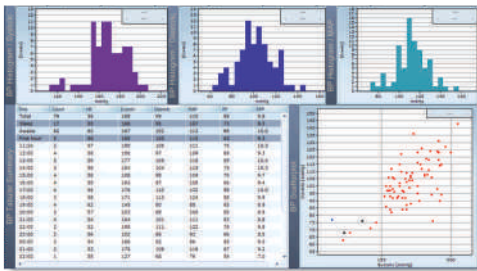> medilog® DARWIN2 ABPM
> medilog® DARWIN2

AMBULATORY BLOOD PRESSURE RECORDER

> BR-102 plus
> medilog® AR
> medilog® FD

medilog® DARWIN2 ABPM

Ambulatory Blood Pressure analysis software

- Parameter settings can be defined via PC software
- Comprehensive statistical calculations based on the measurements
- Results can be saved in PDF format
- Various Numerical & Graphical presentations
- Patient Diary and Events for viewing errors, sleep and awake timing of the patient
- BP scatterplot facility for identification of measurements in a particular range

medilog® DARWIN2 ABPM

medilog® DARWIN2

Ambulatory ECG analysis software

- Less than 90 sec. to analyze a typical 24 hours ECG recording
- medilog's ADAPT algorithm provides an analysis accuracy of 99.9%
- Real-time P-Wave recording in recorders & presentation of Atrial activity in unique Echoview & P-R trend, provides high level of atrial screening
- High sampling frequency & resolution allows true Apnea detection & assessment thereby giving assessment of sleep quality by using unique HRV frequency spectogram which displays the sympathetic and parasympathetic activity
- User-defined reports, workflows allowing customization of screen format
- ST Analysis, QT Analysis, Pacemaker Analysis, HRV Analysis
- Strip directory combined with arrhythmia overview screens get you straight to the ECG data
- Comprehensive HRV analysis in graphical & tabular form conducted in time & frequency domain
- Fire of life software allows HRV analysis and display to judge the function of the autonomic nervous system
- Compatible with medilog® AR recorders
- HL7/DICOM Compatibility with SEMA ECG Data Management Software
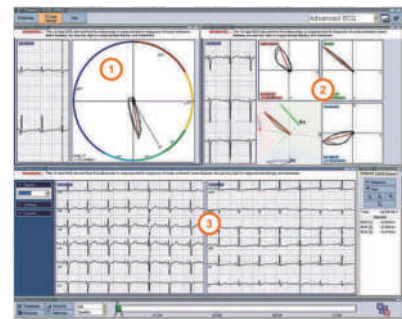
medilog® DARWIN2

BR-102 plus

Ambulatory Blood Pressure Recorder

- Accurate & precise blood pressure measurement using Oscillometric method
- Recording over 24 or 48 hours with measurement intervals of 5 to 120 minutes
- High resolution Colour OLED screen with multi-language menu Voice recording of patient data
- Examination of adults & paediatric using special algorithm
- Pre-programming & storage up to four individual measurement programs
- Facility for manual BP recording at any time
- USB interface for data transfer to PC
- Lightweight: Approximately 200 gms with 2 rechargeable NiMH batteries
- Internal memory: Maximum 400 measurements can be saved

BR-102 plus

medilog® AR

Record Longer – Edit Less

> Robust, shock- and splash-proof as well as easy to clean OLED display for true signal quality check
> Dual-battery concept, the patients can be screened for more than 14 days without having to see the doctor to change the batteries
> Compatible with 5 or 7 lead patient cable with automatic cable detection
> Zero-seconds atrial fibrillation / atrial flutter detection based on true P-wave analysis is one of the engineering highlights of this Holter solution
> Superior resting ECG grade 32,000 Hz sampling rate on 3 channels, for true P-wave analysis, sophisticated artefact suppression and motion detection
> HRV Analysis – Fire of Life
> Thanks to ECG-derived respiration recording, the medilog® AR is able to screen for potential respiratory episodes during sleep
> The optional SpO_2 sensor, connected via Bluetooth, provides additional respiratory information
> 30 second voice recording for patient identification
> The analysis is carried out using the renowned medilog® DARWIN2 Software

medilog® FD

The 12-lead Holter ECG

> 12-lead Holter ECG allows assessing the full spectrum of cardiac ECG conditions
> Instantaneous atrial fibrillation/atrial flutter detection based on true P-wave analysis thanks to a superior resting ECG-grade 128,000 Hz sampling rate on 12-leads
> Optional SpO_2 sensor for additional respiratory information
> Multifactor signal check based on impedance, amplitude and amount of noise
> High-contrast colour display for easy operation. Live ECG preview: 3 channels shown at a time, all 12 can be scrolled through
> Microphone to record patient ID. In an anonymous start, a voice recording is a must to prevent patient mix-up
> Easy-to-clean carrying case
> Eco-friendly: runs on an internal rechargeable battery, or, if needed, on normal AAA batteries for fast turnaround times
> medilog® FD completes your medilog® line-up with medilog® AR (3-lead Holter ECG, up to 14 days runtime) and medilog® DARWIN2 (high-end ECG analysis software)

medilog® FD

medilog® AR

RESPIRATORY DIAGNOSTICS

BASIC SPIROMETRY

> SPIROVIT SP-1 G2

> GANSHORN® SpiroScout

> CARDIOVIT® CS-104 with SpiroScout SP plus

ADVANCED SPIROMETRY

> GANSHORN® PowerCube Diffusion+

> GANSHORN® PowerCube Body+

> EucapSys®

> AltiTrainer®

> NIOX VERO®

SPIROVIT SP-1 G2

The SPIROVIT SP-1 G2 measures the patient's respiratory flow with GANSHORN's ultrasound measuring technology.

- Large 5" colour display
- Real-time display of information, quality check, on-screen review
- Incentive screen for children
- Ultrasound flow sensor with high accuracy
- FVC (Force Vital Capacity) measurement program
- SVC (Slow Vital Capacity) measurement program
- MVV (Maximum Voluntary Ventilation) measurement program
- High resolution thermal printer
- 4 hours battery backup
- Memory for at least 100 tests in PDF format
- Automatic PDF export to USB stick

OPTIONAL
- 3 litre calibration pump

SPIROVIT SP-1 G2

GANSHORN® SpiroScout

The New Dimension in Measurement of Spirometry

- High precision spirometry due to direct flow measurement
- Clean and high-precision via ULTRASOUND Technology
- Realtime BTPS correction, drift free, high accuracy
- No volume calibration and warm-up time necessary
- Save time and conduct more measurements
- Perfectly hygienic concept optimising workflow and patient safety
- No perceptible resistance and more comfort to the patients
- ATS / ERS Guidelines - Fully conforms to Gold Standards

STANDARD MEASUREMENT PROGRAMS
- Slow Spirometry
- Forced Spirometry / Flow-Volume
- MVV (Maximal Voluntary Ventilation)

OPTIONAL UPGRADES SUCH AS
- Rhinomanometry with SNIP Test
- Paediatric / Neonatal Spirometry
- Provocation Test
- Capnovolumetry for deadspace calculation
- ROCC
- HL7/DICOM Compatibility with SEMA Data Management Software

GANSHORN® SpiroScout

CARDIOVIT® CS-104 with SpiroScout SP plus

The SpiroScout SP plus uses advanced ultrasound flow sensor technology to accurately measure the airflow in and out of patients' lungs. Unlike traditional spirometers, it doesn't have any moving parts, so there's no risk of sputum accumulation and no need for disposable calibration materials.

- Precise spirometry measurements enabled by direct flow sensing
- No influence to environmental factors such as humidity, barometric pressure, and contamination
- Maintenance-free operation for hassle-free use
- Compatibility with ScoutTubes*, hygienic single-patient mouthpieces
- Convenient USB connectivity for seamless integration

*The ScoutTubes are climate-neutral.
Find our declaration by entering tracking number 01-20-162037 in the search bar at www.myclimate.org

CARDIOVIT® CS-104 with SpiroScout SP plus

GANSHORN®
PowerCube Diffusion+

Acquire both Diffusion and Distribution Dysfunctions in one Measurement

- Determination of diffusion capacity (DLCO and DLCOc) and helium-FRC SB
- TLC measurement through helium dilution technique
- Continuous display of the exhalation concentration for CO and helium for the precise differentiation of dead space and alveolar plateau
- Economical measurement gas consumption
- Optimisation of the breathing manoeuvre aided by informative assistance diagrams
- Instantaneous Diffusion Results: Gas Analysis conducted by longlife real-time Rapid Gas Analyser using only 1 gas bottle (CO, He)
- Maintenance free, Clean and High-Precision via Ultrasound Technology
- Longlife Rapid Gas Analyser - No replacements or periodic changes needed
- Free of Breathing Bags - Gas intake is regulated and waste is avoided
- ATS / ERS Guidelines: Fully conforms to Gold Standards
- Easy To Use: Change mouthpiece and get started
- Online Temperature & Maximum Precision: The BTPS correction factor is calculated during the measurement

STANDARD MEASUREMENT PROGRAMS
- Slow Spirometry
- Forced Spirometry / Flow-Volume
- MVV (Maximal Voluntary Ventilation)
- Single Breath Diffusion
- Offline Input of Blood gases

OPTIONAL UPGRADES SUCH AS
- MIP / MEP (Muscle Strength)
- ROCC
- FRC - Nitrogen Washout
- Provocation Test
- Rhinomanometry with SNIP Test
- HL7/DICOM Compatibility with SEMA Data Management Software

GANSHORN® PowerCube Diffusion+

GANSHORN®
PowerCube Body+

Complete Respiratory Diagnostics System

- Full pulmonary function testing lab including recording of all pulmonary volumes and diffusing capacity
- Diagnose Faster - Within a minute obtain results for airway resistance, dynamic / static lung volumes and flow / volume curve
- Maintenance-Free, Clean and High-Precision via Ultrasound Technology
- Longlife Rapid Gas Analyser - No replacements or periodic changes needed
- Broad Spectrum of Option: Multiple available programs, making the PowerCube Body+ your comprehensive analysis device
- Cost & space optimized
- ATS / ERS Guidelines: Fully conforms to Gold Standards
- LFX (Our User-Friendly Intuitive Software): Latest programming technologies safeguard natural day-to-day workflow

STANDARD MEASUREMENT PROGRAMS
- Body plethysmography (TGV)
- Airway resistance (Eff, Tot, 0.5, mid, peak)
- Slow Spirometry
- Forced Spirometry / Flow-Volume
- MVV (Maximal Voluntary Ventilation)

OPTIONAL UPGRADES SUCH AS
- MIP / MEP (Muscle Strength)
- ROCC
- Diffusion Test
- FRC - Nitrogen Washout
- Provocation Test
- Rhinomanometry with SNIP Test
- HL7/DICOM Compatibility with SEMA Data Management Software

GANSHORN® PowerCube Body+

GANSHORN
SCHILLER GROUP

EucapSys®

Eucapnic Voluntary Hyperpnea - Innovation for asthma diagnosis

- EucapSys® stands out as the exclusive compact device that empowers clinicians to perform the Eucapnic Voluntary Hyperpnea (EVH) test on patient, offering an alternative approach to conventional indirect or direct bronchial challenge tests like   exercise challenges or methacholine challenge test
- Unlike other challenge tests, EucapSys® does not require any medication
- EucapSys® is recognized as the exceptional and benchmark solution for evaluating exercise-induced bronchoconstriction (EIB) in patients
- EucapSys® is pioneering as the first commercially available system that extends the applicability of EVH to a wide range of users
- EucapSys® mixes the eucapnic gas concentration by itself, making the test more affordable and independent from expensive gas mixtures

EucapSys®

AltiTrainer®

Individual altitude simulation - Innovation for hypoxia training and testing

- AltiTrainer® enables individual altitude training (IHT) with ground-based regeneration. It facilitates altitude simulations of up to 5,500 meters above sea level and supports intensive hypoxia training with ventilation flows of up to 200 liters per minute
- AltiTrainer® allows training in alternating hyperoxic and hypoxic environments. While recovering in hyperoxic environment, patients and individuals with reduced oxygen uptake can benefit from the hypoxic rehab and improve their cardiovascular health and overall condition
- The body undergoes physiological changes when exposed to high altitudes, and these changes are the focus of continuous research. AltiTrainer®'s adaptability allows for the safe and customized configuration of tests for both patients and research purposes
- The patient is exposed to a low-oxygen environment while their vital signs, oxygen saturation, and other physiological parameters are monitored. Using AltiTrainer®, High Altitude Conditioning Testing (HCT) can also be conducted without the need for a hypoxia chamber
- Hypoxia training with the AltiTrainer® is suitable for treadmills and ergo bicycles
- It offers full flexibility and can be quickly switched between different devices. Therefore one single AltiTrainer® meets the needs of different user groups, which makes its use very effective
- Fo_2 customizable at any time. Any altitude between 1,500 - 5,500 meters
- By using N_2 directly from gas cylinder, flow rates are virtually unlimited. In addition, no compressor is required


AltiTrainer®

GANSHORN
SCHILLER GROUP

NIOX VERO®

FeNO by NIOX® – A safe and easy way to instantly transform your asthma care

- Inhale – Inhaling first achieves the best results. This is unique to NIOX®
- One test, one result – NIOX® Flow Rate Control™ ensures that your patients have a successful test leading to accurate results every time
- Exceptional filtration efficiency – NIOX® filters have been extensively tested in independent laboratories. They have ≥99.99% bacterial filtration efficiency
- Three engaging animations – Keeping a steady exhalation throughout the test is crucial to obtain an accurate FeNO result. NIOX® has clinically validated visual and audio cues to make completing a test simple and fun
- Next level analysis – NIOX VERO® also takes a 'zero gas' measurement immediately after the patient's test. This measurement is subtracted from the final result, to ensure further the patient's FeNO value is accurate and reliable, without needing any calibration of the sensor or device
- A unique algorithm – NIOX® electrochemical sensor uses a well-established and documented algorithm based on a linear relationship between sensor signal and gas concentration, to ensure accurate results over the full sensor range without compromise

NIOX VERO®
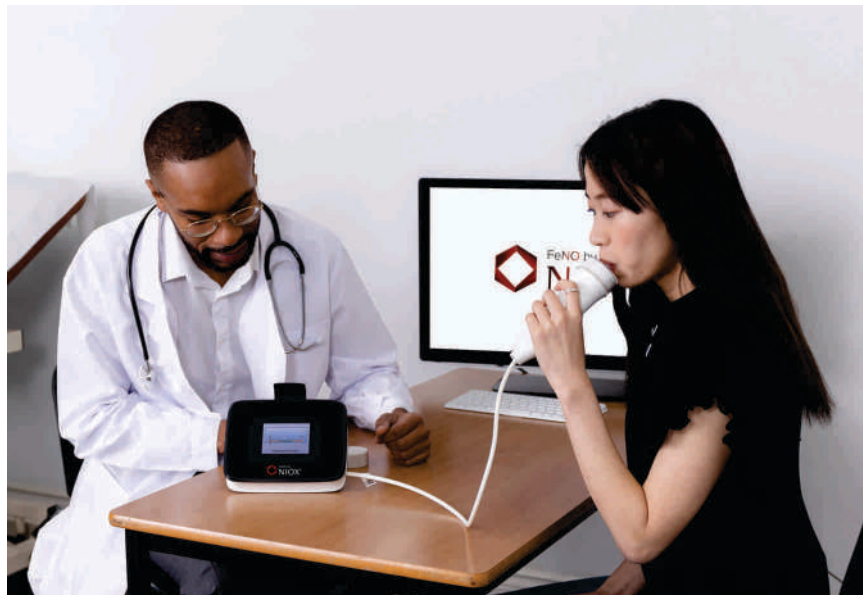
PATIENT MONITORS

> TRUSCOPE® touch mini

> TRUSCOPE® M10

> TRUSCOPE® III

> TRUSCOPE® ultra Series

> TRUSCOPE® CNS

> TRUSCOPE® P Series

PULSE OXYMETERS

> OXYWAVE®

MRI PATIENT MONITOR

> MAGLIFE RT-1

TRUSCOPE® touch mini

Portable 5 para Monitor

- 8" high resolution color TFT LCD touchscreen display
- Maximum of 9 waveforms
- Compact & portable with concealed handles
- Drug Dose, Haemodynamic, Nephidrium, Ventilation & Oxygenation calculation, OXY CRG software, HRV & NIBP Analysis
- ST, Arrhythmia & QT Analysis with ST Map
- 168 hours of trend data
- Mains and battery operated with backup of 6 hours
- Monitored parameters: 3 / 5 lead ECG, RR, NIBP, SpO_2, TEMP
- Better indication of perfusion index on SpO_2
- USB

OPTIONAL

- Wired connectivity to Central Nursing Station

TRUSCOPE® touch mini

TRUSCOPE® M10

Compact Patient Monitor

A patient monitor with a concise and ergonomic design, new software architecture and cutting-edge technology.

- The ergonomic design makes it extremely convenient for users to operate
- Unit is portable with a concealed handle
- Has a highly efficient capacitive touch screen (optional) with an HD visual experience
- Operates using easy and simple gestures
- Has a fully integrated front panel without gaps and is easy to clean
- The Early Warning Scoring (EWS) in the M series monitor is a physiologic scoring system for patient assessment such as respiratory rate, heart rate, systolic blood pressure, level-of-consciousness, body temperature, etc.

TRUSCOPE® M10

TRUSCOPE® III

12.1" Patient Monitors

- 12.1" high resolution colour TFT LCD display
- 8 different screen configuration
- Total 10 waveform display simultaneously
- ST, Arrhythmia & QT Analysis with ST Map
- 168 hours tabular and graphic trends & data storage
- Drug dose, Hemodynamic, Nephridium, Ventilation & Oxygenation Calculation Software, OXY CRG Software, NIBP Analysis & HRV Analysis
- Standard configuration: ECG, RESP, NIBP, SpO_2, and Temperature Monitoring
- Pacemaker detection facility
- 2 USB Ports

TRUSCOPE® III

OPTIONAL

- Dual IBP
- $EtCO_2$ (Mainstream / Sidestream / Microstream)
- SpO_2 (Nellcor / Masimo)
- Multigas
- Additional Temperature probe
- Recorder
- Central station connectivity: Wi-fi/Wired
- 12-lead ECG
- Touch screen
- Dual Temperature

TRUSCOPE® Ultra Series

15"/12.1" Modular Patient Monitors [Q7, Q5]

- Q7:15"/ Q5:12.1" colour TFT LCD display
- Modular slots available
- Upto 7-lead ECG display (12-lead display optional)
- Total 10 waveform display simultaneously
- 9 different screen configurations
- ST, Arrhythmia & QT Analysis with ST Map
- Drug dose, Hemodynamic, Renal profile (nephridium), Oxygenation Calculation, OXY CRG software, NIBP Analyse & HRV Analysis
- 168 hours graphical & tabular trends-inbuilt memory
- USB Ports

OPTIONAL

- Touch screen (only for Q5 model)
- Central Monitoring System: Wi-fi / Wired
- Recorder
- 12-lead ECG
- Dual Temperature
- VGA

PRECONFIGURED PARAMETERS AVAILABLE (FIVE PARAMETERS)

- ECG, RR, SpO_2, Temp, NIBP

OPTIONAL MODULAR UPGRADES

- $EtCO_2$ (Mainstream / Sidestream / Microstream)
- Multigas monitoring
- Cardiac Output (Thermodilution)
- Dual IBP
- BIS
- SpO_2 (Nellcor / Masimo)
- EEG

TRUSCOPE® CNS

Central Monitoring System

- TRUSCOPE® CNS is an advanced central monitoring system
  Provides clinicians with real-time access to patient data
- Enables seamless and secure monitoring across multiple devices, including smartphones and tablets
- Supports monitoring for up to 64 beds
- Displays data on 4 screens for comprehensive critical care monitoring solutions

OPTIONAL

- Remote Mobile View

TRUSCOPE® CNS

TRUSCOPE® ultra - Q5

TRUSCOPE® ultra - Q7

TRUSCOPE® P Series

P12/ P15/ P18/ P22 High-End Modular Patient Monitors

- 12.1" / 15.6" / 18.5" / 22" Colour TFT touch screen
- Full capacitive touch screen with multi-finger gesture support
- Integrated P1 transport monitor with 5.5" touch screen and built-in 8 hours battery back-up
- 4 to 6 Modular Slots available for various modules
- 3 to 12 lead ECG display
- Total 12 simultaneous waveform display
- 8 numbers of various screen configuration
- ST analysis with ST mapping
- 27 types of arrhythmia detection
- QT/QTc measurement function
- Various calculations: Drug Calculation, Hemodynamic Calculations, Oxygenation Calculation, Ventilation Calculations, Nephridium Calculation
- Advance tools: EWS (Early Warning Score), GCS (Glasgow Coma Scale)
- Advance seamless network connection: EMR, HIS
- Battery back-up: P1, P12 more than or equal to 4 hour, P15/ P18/P22 upto 3 hours
- Large data storage capacity: Upto 8 hours trend data, 3000 parameter alarm event, 3000 ARR events, 2400 groups NIBP measurement, 72 hours Holographic waveform
- Compatible with all kinds of Mouse, Keyboard, and Barcode scanner

OPTIONAL

- 12 lead ECG monitoring
- External DVI display
- Wi-Fi Communication module
- Transport handle and docking station
- Auxiliary extended module slot
- Thermal Recorder
- Rolling Stand / Wall mount
- Central Monitoring system : Wired & WiFi
- Respiratory Mechanics with FV Loop, Sepsis View
- BOA (Balance Of Anaesthesia- Focus on relevant parameters over the course of surgery)
- Parameters for High-end Modules: NMT, rSO2 (Regional Oxygen Saturation Index), EEG, AG, CO2, BIS, RM (Respiratory Mechanics), ICG, IBP & CO

TRUSCOPE® P Series

TRUSCOPE P1 - Portable Transport Monitor

- Portable and small but mighty
- Lightweight < 0.9 kg
- High definition 1280 x 720
- 5.5" touch screen
- Durable battery runny for > 8 hours
- Drop resistant No damage from 1m drop
- Degree of protection against ingress of liquid Ip44
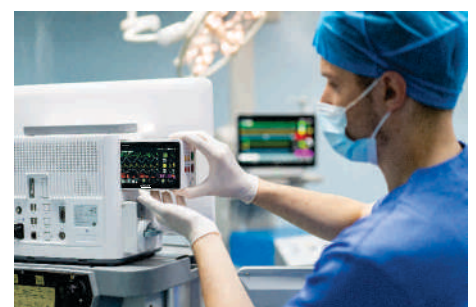
OXYWAVE®

Vital Signs Monitor

- Portable Pulse Oximeter
- Large 240 X 64 dots graphical display
- Nellcor SpO_2
- Smart pitch tone variation with saturation level
- Good viewing angle
- Rugged design
- Mains / battery operated with 2 hours of operating time
- 24 hours trend storage & display
- Audio / Visual alarm & beep indication with volume control

OPTIONAL

- Temperature

OXYWAVE®

MAGLIFE RT-1

Revolutionary patient monitoring in the MRI environment

- Compatible with MRI systems from any manufacturers that have a field strength between 0.2 and 3 Tesla
- 10 vital parameters at a glance: ECG, SpO_2, NIBP (standard); IBP (optional); $EtCO_2$, anaesthetic agents, O_2, N_2O (optional); spirometry (optional); optical temperature measurement (optional)
- Wireless ECG and SpO_2 sensors: suitable for all types of patients, even premature babies
- Remote control through the display unit MAGSCREEN RT-1 outside the Faraday Cage: Full control of the MAGLIFE RT-1 monitor and adjustment of all parameters and functions
- The MAGLIFE RT-1 can be used as close as 50cm from the MRI Mains or battery operated
- MAGLIFE RT-1 and MAGSCREEN RT-1 are equipped with a 15.6" colour TFT touchscreen

MAGLIFE RT-1

DEFIBRILLATORS

> DEFIGARD® 400

> DEFIGARD® 400x

> DEFIGARD® HD 7

> FRED® PA-1

> FRED® easy G2

DEFIGARD® 400

Portable 200J Biphasic Defibrillator with Monitor

- Large 8.4" colour TFT LCD screen with LED backlight
- Rotary knob for convenient input & on screen navigation
- Visual Instructions and guidance on screen
- Adult and paediatric application
- Compact, light weight and portable

OPTIONAL

- AED
- 360 Joule
- External pacemaker
- Internal defibrillation through spoon paddles
- 12-lead ECG, SpO_2, NIBP, $EtCO_2$
- Integrated thermal printer
- USB interface for data storage
- CPR Feedback

DEFIGARD® 400x

Portable 200J Biphasic Defibrillator with Monitor

- Large 10" colour TFT display with LED backlight
- Direct function keys and rotary knob to select modes
- Visual Instructions and guidance on screen
- Adult and paediatric application
- Compact, light weight and portable
- Energy selection & patient contact indicator on Paddles
- Automatic testing at predefined intervals

OPTIONAL

- AED
- 360 Joule
- External pacemaker
- Internal defibrillation through spoon paddles
- 12-lead ECG, SpO_2, NIBP, $EtCO_2$
- Integrated thermal printer
- USB interface for data storage
- CPR feedback
- Arrhythmia detection
- Respiration
- Dual IBP
- Dual Temperature

DEFIGARD® 400

DEFIGARD® 400x

DEFIGARD® HD 7

Discover the DEFIGARD® HD-7, SCHILLER's defibrillator / monitor. Compact and lightweight, benefit from its easy-to-use interface to access all main functions

- Paddle or PAD models
- Automatic regular self test
- 1–2–3 workflow in manual defibrillator
- Touch'n save user interface, Easy access to all functions
- Easily select the necessary mode (Monitor / Manual Defib. / AED / Pacer / Test)
- Manual shock upto 200 J
- Audible and visual shock load indicators
- Cardioversion (Synchro mode)
- 25 selectable energies including 1 - 15 in 1 J steps for infant defibrillation
- 200 shocks with maximum energy or 8 hour monitoring with 32 NIBP measurements
- Single Connector for all types of Defibrillations
- Energy selecting, charging and shocking can be easily operated through paddle Inbuild paediatric paddle
- Easily check the patient's impedance through the illuminated LED located on the paddle
- Free CPR with no additional sensor
- Integrated 6 channel thermal printer
- Data connectivity through WLAN, USB
- Compatible to SEMA data connectivity solution
- Integrated non-skid hooks to easily fix the DEFIGARD HD-7 on a patient bed, a trolley etc.

OPTIONAL

- External Pacemaker
- SpO$_2$ (Masimo / Nellcor)
- NIBP Monitoring
- EtCO$_2$ Monitoring
- CPR feedback with ARGUS LifePoint

DEFIGARD® HD 7

FRED® PA-1

AED Fully-automatic / Semi-automatic Defibrillator

- Makes use of Biphasic truncated exponential waveform
- Lightweight, Ultra Portable Design
- Easy 3 step operation: Start -> Analysis -> Shock
- Weighs around 2.5 kg with battery & standard accessories
- Capacity of storing 500 events or 2 hours of ECG recording storage
- Highly efficient lithium batteries delivers more than 140 shocks at maximum energy
- Maintains the energy delivered to the patient at an approximately constant level with regard to patient resistance
- Complete user guidance by voice prompts and pictograms for easy operation
- Metronome facility for accurate CPR

OPTIONAL

- Advise on frequency of chest compression feedback
- SD card facility to store data during intervention
- Language selection configuration (Upto 3 languages)

FRED® easy G2

A flexible AED, robust and intuitive

SCHILLER's FRED easy G2 defibrillator is designed for basic and advanced life support. It guides the rescuer through all the intervention and complements every emergency kit.

The device is available in semi-automatic and automatic mode. The semi-automatic mode provides flexibility for professional user in time critical situations. The fully automatic mode allows the layperson to be confident while performing the resuscitation and delivers a shock automatically, if required. Both versions assist in performing cardiopulmonary resuscitation.

- Semi-automatic and automatic mode 5" touch screen
- Always ready: flashing LED and regular self-tests
- CPR assistance: metronome, FreeCPR (option) and ARGUS LifePoint sensor (option)
- Integrated paediatric mode: same electrodes for adult and paediatric
- Choose among four predefined languages (option)
- USB, Bluetooth, cellular network (option) and Wi-Fi
- LifeDataNet G2: visualise AEDs on map, check status, perform software updates remotely, etc.

Semi-automatic

FRED® PA-1

Automatic

FRED® easy G2

CPR DEVICE

> EASY PULSE®

EASY PULSE®

Efficient and Compact Cardiac Resuscitation Device

» Portable, stand-alone device delivers chest compressions automatically

» Effective chest compression even in head up position

» 3D compression (cardiac and thoracic pump approach)

» Performs chest compression on patient suffering from acute cardiac arrest at a consistent rate and depth, which is impossible to achieve with manual compressions

» Simple operating protocol: Single key to perform 30 compressions and 2 rescue breathes (30:2) in continuous manner

» Adapted for patient transportation & suitable for large patients

» Autonomous operation for 45 minutes

» Additional battery with charge level indicator

» Slider with buckle straps that help safe transportation of patients

» Achieves approx. 50 mmHg of CPP

» Connections: External DC input and connection for software upgrade

EASY PULSE®

VENTILATORS

> GraphNet advance

> GraphNet ts

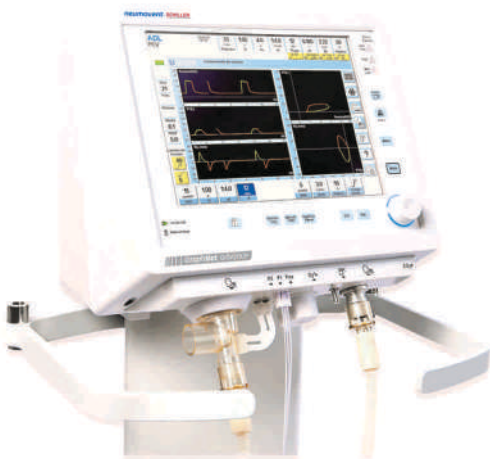> GraphNet neo

> AQUILON ts

> brina®

> AQUILON VX

> SOPHIE

GraphNet advance

Universal-Adult, Paediatric & Neonatal Ventilator

- 12.1" TFT- LED colour touchscreen display to view waveforms & loops simultaneously
- Proximal Flow Sensor for neonatal patient category
- Advanced modes like PRVC, SIMV (PRVC) + PSV, APRV, MMV + Pressure Support, PSV + assured volume, VSV
- AVA - Adaptive Ventilatory Assistance
- High Flow Oxygen Therapy (HFOT / HFNC)
- Dedicated neonatal ventilation modes like TCPL, SIMV (TCPL) + PSV, N-CPAP, Non-Invasive Ventilation
- Tidal volume correction according to BTPS
- Endo tracheal tube, altitude and circuit compliance compensation & leak compensation in all modes
- Integrated nebulizer (Volume Compensated & Inspiratory Synchronize)
- Advanced Lung Mechanism Calculations: Auto-PEEP and trapped Volume, WOBi, Exp. Time Constant, P/V Flex Monitoring, Slow Vital Capacity, Pi Max (NIF), Oxygen Index PaFi
- SBT - Spontaneous Breathing Trial
- Stress Index
- Suction % O_2 for suction sequence with variable FiO_2

OPTIONAL

- Capnography (Mainstream) - Curves of CO_2 / Time and Volumetric Capnography (CO_2 / VT), Measurements of $EtCO_2$ Alveolar Ventilation, Dead Space, CO_2 Elimination (VCO_2), VD / VT Ratio, CO_2 expired volume ($VTCO_2$)
- Physiological Dead Space

GraphNet advance

GraphNet ts

Adult, Paediatric & Infant Ventilator

- Neonatal ventilation is available as option (installed or retrofit)
- 12.1" TFT- LED colour touchscreen display to view waveforms & loops simultaneously
- Tidal Volume correction according to BTPS leak compensation in all modes
- Altitude and circuit compliance compensation with Leakage Compensation possible in all modes
- Advanced modes like APRV, MMV+ Pressure Support, PSV+ assured Volume
- PRVC - Pressure Regulated Volume Control, SIMV (PRVC) + PSV, VSV
- Selectable apnea back up ventilation (Volume or Pressure type)
- 72 hours trend display
- User adjustable ideal body weight factor
- Integrated nebulizer (Volume compensated & Inspiratory Synchronize)
- Advanced Lung Mechanism calculations: Auto-PEEP and trapped Volume, WOBi, Exp. Time Constant, P/V Flex Monitoring, Slow Vital Capacity, Pi Max (NIF)
- Suction % O_2 for suction sequence with variable FiO_2 Non-Invasive Ventilation available

OPTIONAL

- Neonatal Ventilation with special modes available
- AVA - Adaptive Ventilatory Assistance
- SBT - Spontaneous Breathing Trial and Stress Index
- Oxygen Index PaFi
- High Flow Oxygen Therapy (HFOT / HFNC)
- Endotracheal tube resistance compensation: compensation of 10% - 100% for ET tube diameter Ø 2.5 - 12 mm (Optional & Upgradable)

GraphNet ts

neumovent . SCHILLER

GraphNet neo

Dedicated Neonatal & Infant Ventilator

- 12.1" TFT - LED colour touchscreen display to view waveforms & loops simultaneously
- Proximal Flow Sensor at Y-piece for precise flow / volume monitoring and quick trigger response
- Independent of circuit and humidifier compliance
- Down to 2 ml at VC ventilation
- Dedicated neonatal ventilation modes like TCPL, SIMV (TCPL) + PSV, N-CPAP, Non-Invasive Ventilation
- SIMV (PRVC) + PSV, VSV (Volume Support Ventilation)
- Pressure control and volume guaranteed with PRVC
- High Flow Oxygen Therapy (HFOT/HFNC)
- Automatic leakage compensation
- Continuously automatically optimized trigger sensitivity (from 0.2 ml) & termination criteria
- Selectable apnea back up ventilation (Volume or Pressure type)
- Altitude and circuit compliance compensation & leak compensation in all modes
- Endotracheal tube resistance compensation: compensation of 10% - 100% for ET tube diameter Ø 2.5 - 6 mm
- Advance Lung Mechanism calculations: Auto-PEEP and Trapped Volume, Exp. Time Constant, Compliance and Resistance, Oxygen Index PaFi, C20/C, RVR Monitoring

GraphNet neo

AQUILON ts

Adult, Paediatric & Infant Ventilator

- Designed with high-end pneumatic base
- A clear and complete display of vital sign variables on a built-in 12.1" TFT- LED colour touchscreen
- Rapid-access keys and high visibility alarm indicator
- User-friendly and intuitive programming
- Auto-clavable & reusable rugged flow sensor
- Invasive & Non Invasive ventilation available
- Advanced modes like APRV, MMV + Pressure Support, PSV + Assured Volume, PRVC
- Altitude and circuit compliance compensation with leakage compensation
- 72 hours trend display
- Integrated nebulizer (Volume compensated & Inspiratory Synchronize)
- Advance lung mechanism calculations: Auto-PEEP and trapped volume, WOBi, exp. time constant, P/ V flex monitoring, slow vital capacity, Pi Max (NIF)
- Suction % O2 for suction sequence with variable FiO_2

AQUILON ts

neumovent . SCHILLER

brina®

Introducing brina®, the new high-end mechanical invasive and non-invasive ventilator for adult, paediatric, and neonatal patients. The achievement of the CE-MDR certification confirms our commitment to developing high-quality products that meet the highest standards of safety and efficacy, ensuring the precision, reliability, and safety of our ventilators.

- High resolution 18.5" touchscreen with intuitive user interface makes the ventilator's operation not only easy but quickly
- Smart and intuitive interface with Active lung for a graphic and better visualization of the patient's ventilatory condition
- The compliance of the lung and the resistance of the airway are shown graphically and numerically
- Wide range of standard ventilation modes for every clinical need includes PRVC, MMV, VSV
- Modular design for adapting different clinical environments and needs
- Comprehensive monitoring with configurable screens are designed to take important decisions in different situations
- Expiratory Port with Improved design for more accurate measurements and faster response time
- The design of the VentBox gives the user the possibility to mount it on a trolley, ceiling supply or shelf

OPTIONAL
- Neonatal Ventilation with special modes available
- Proximal Flow Sensor for neonatal application
- AVA® (Adaptive Ventilatory Assist) Mode
- Auxiliary pressure port to measure trans-pulmonary pressure
- High-flow oxygen therapy (HFOT/ HFNC)
- Spontaneous breathing test and Stress Index
- Oxygen Index PaFi
- Capnography (Mainstream) – Curves of CO_2 / Time and Volumetric Capnography (CO_2 / VT), Measurements of $EtCO_2$ Alveolar Ventilation, Dead Space, CO_2 Elimination (VCO_2), VD / VT Ratio, CO_2 expired volume ($VTCO_2$)
- SpO_2 Massimo with Plethysmograph Pi%, Pulse (PR), SaFi, PVI

brina

AQUILON VX

Turbine-Powered Ventilator Built for Every Critical Care Need

The AQUILON VX is a compact, turbine-driven ventilator designed to deliver seamless invasive and non-invasive respiratory support for adult and paediatric patients. Built for ICU-level performance, it ensures precise, uninterrupted ventilation across a wide range of critical care scenarios. Its advanced features—combined with intuitive usability and minimal training requirements—make it a dependable solution for both emergency and intensive care settings.

- 12" high-resolution display ideal for real-time data in ER and ICU environments
- Invasive and Non-invasive ventilation with robust leak compensation
- Supports both high and low flow oxygen supply
- Multiple ventilation modes to adapt to varied clinical conditions
- Configurable models tailored to suit specific clinical needs
- Hot-swappable battery providing up to 6 hours of uninterrupted operation
- Optional Proximal Flow Sensor for enhanced measurement accuracy
- Integrated Capnography Module (Optional) – choice of 3 internal modules
- Integrated SpO_2 Module (Optional – Nellcor®)
- Compatibility with single and dual limb circuits
- Integrated Nebulizer for medication delivery
- Unique Cuff Pressure Controller Module (optional)

AQUILON VX

SOPHIE

The new Innovative Neonatal Ventilation System with Conventional and High Frequency Oscillation Ventilation

SOPHIE stands as a reliable and efficient solution for neonatal and paediatric care, providing the flexibility, precision, and monitoring required to manage critically ill infants. Whether it's the automatic synchronization of NIV or real-time oxygen saturation adjustments, SOPHIE is built to provide seamless, adaptive, and comprehensive care. 3 in 1 (Conventional , NIV, HFOV) device with an intuitive operating concept.

- Integrated High-Frequency Oscillation (HFO): Activate with a single button for precise care
- Heated Electronic Flow Sensor: Accurately measures flow rates and tidal volume (Vt) with minimal dead space, preventing condensation
- Automatic servo-controlled Integrated Humidification: Optimally heats and humidifies respiratory gas for the patient and prevents condensation
- Synchronized Non-Invasive Ventilation (NIV): External respiration sensor syncs NIV with abdominal movements for real-time adaptation (Optional)
- User-friendly 12" Touchscreen Interface: Intuitive touchscreen panel for easy adjustments and monitoring Comprehensive Safety System

Comprehensive Safety System

- Invasive Ventilation Modes: CPAP, PC-IMV, PC-Ass./Cont., PC-SIMV, CPAP+HFO & PC-HFO (optional), Volume Guarantee (Vlimit / Vtar Modes)
- Non-invasive Ventilation Modes: nCPAP, NIPPV, SNIPPV (optional), PC-HFO (optional)

OPTIONAL

- SPO_2C (SpO_2 Controller): Automatically maintains optimal oxygen saturation, reducing risks like brain damage and blindness in neonates. It works independently of the selected ventilation mode and ensures that patients are within the defined SpO_2 target range to a level of approx. 80%
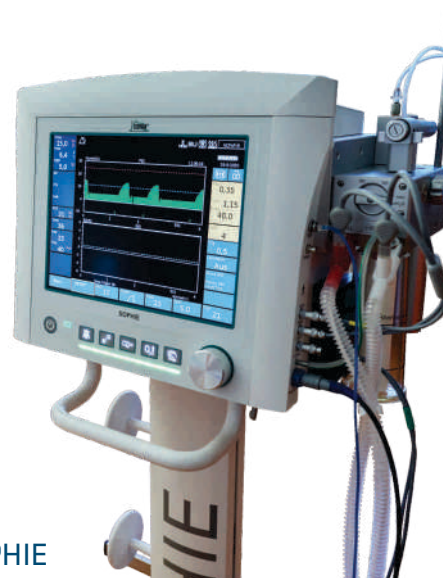
SOPHIE

ANAESTHESIA WORKSTATIONS

> Aeon 7200A A-mac (2 Gas & 3 Gas)

> Aeon 8100A A-mac

> Aeon 8600A A-mac

Aeon 7200A A-mac (2 Gas & 3 Gas)

Anaesthesia Workstation

- Compact & Versatile 2 Gas & 3 Gas System designed to deliver precision and performance
- Faster & intuitive 8.4" Inch Colour Touchscreen interface
- Seamlessly adapts to wide range of patient care from infant to adult
- Ensures tailored respiratory support with IPPV, PCV, SIMV-VC, SIMV PC, PS/CPAP with Apnea Backup & Manual Modes of Ventilation
- Simultaneous monitoring of waveforms & Loops Available for the Better Understanding for the Lung Care
- 1.8 L Big Canister with Unique Alloy Magnasium Breathing System for the Longer Operating Time
- Seamless switch between Manual to Mechanical Ventilation at the touch of a button
- Engineered with a non-consumable flow sensor to minimize maintenance and maximize cost-efficiency
- Standard 2 Cylinder Yokes(1 O2 & 1 N2O) for Safety in case of any Gas Loss
- Comprehensive Safety System
    - Power On-Self-test. Can be skipped in emergency and carry out any time later
    - N$_2$O cut off valve, oxygen ratio control valve and oxygen concentration monitoring system
    - Power off in 10 seconds after turn off in case of any accidental operation
    - Integrated Battery back up for 2 hours

VARIOUS OPTIONAL UPGRADES

- Multiple anaesthetic gas monitoring (AGM) or CO$_2$ with mainstream or side stream option
- Suction system
- Vaporizers - All aesthetic agents with various filling options, Support Selectatec mounting upto 2 units

Aeon 7200A A-mac (2 Gas & 3 Gas)

Aeon 8100A A-mac

Comprehensive Anaesthesia Workstation

- Versatile, Reliable & Comprehensive 3 Gas System with double tube mechanical flowmeter with backlight
- Large 10.4" colour touchscreen with easily adjustable vertically & horizontally at your ideal angle without moving the workstation
- Comprehensive patient care from infant to adult with minimum tidal volume of 20 mL in IPPV
- Extensive Range of modes like IPPV, PCV, SIMV-VC, SIMV-PC, PS/CPAP, Spontaneous with Apnea Backup & Manual provided as Standard
- Advanced PCV-VG mode delivers precise support for a wide spectrum of moderate to severe surgical procedures—ensuring optimal care when it matters most
- Spirometry loops designed to support protective lung ventilation, enhancing patient safety and respiratory care
- Modern aluminium alloy breathing system with uniformly heated assembly to avoid the condensation during low flow anaesthesia
- Durable non-consumable flow sensor ensures reliable and precise monitoring for accurate respiratory assessment
- CO_2 Bypass Feature enables streamlined ventilation, ensuring enhanced patient comfort during prolonged surgical procedures
- Expandable drawer and side-flip table provide versatile space for writing, medication, or additional equipment
- Built-in Auxiliary O_2 Output for seamless oxygen delivery integration
- Records alarms, events, and trends for up to 30 days, with easy data export to USB devices for seamless analysis

OPTIONAL & UPGRADABLE FEATURES

- AGSS - Anaesthetic Gas Scavenging System
- Multiple Anaesthetic Gas Monitoring (AGM) or CO_2 with mainstream or side stream option
- Vaporizers - All aesthetic agents with various filling options, Support Selectatec mounting upto 2 units

Aeon 8100A A-mac

Aeon 8600A A-mac

High-End Anaesthesia Workstation

- Ergonomic design with the 12" high-resolution touch screen, which ensures seamless and precise navigation for the entire operations
- Mechanically controlled Digital Flowmeter for precise and reliable respiratory management
- Comprehensive patient care from infant to adult with minimum tidal volume of 10 mL in IPPV
- Advanced ventilation modes including PCV-VG, APRV, SIMV-VG, and Bi-Vent delivering exceptional performance and comprehensive ICU-level respiratory care
- Modern aluminium alloy breathing system with uniformly heated assembly to avoid the condensation during low flow anaesthesia
- Durable non-consumable flow sensor ensures reliable and precise monitoring for accurate respiratory assessment
- CO_2 Bypass Feature enables streamlined ventilation, ensuring enhanced patient comfort during prolonged surgical procedures
- Built-in Auxiliary O_2 Output for seamless oxygen delivery integration

ADVANCED MONITORING AND CLINICAL TOOLS

- Total calculations for medical gas consumption, encompassing O_2, N_2O, and anaesthetic agents
- Continuous trend data, alongside discrete time-stamped events, are stored and presented in tabular or chart format, loops saving facilities
- Advanced Cardiopulmonary Bypass (CPB) modes offers seamless integration, enhanced safety, and optimal control during cardiac procedures
- Intelligent delivery with the Eco-Optimizer Tool minimizes gas and agent waste promoting efficiency and sustainability for prolonged surgical procedures
- Advanced lung protective tools such as Driving Pressure, Stress Index, PV Tool, and Recruitment Maneuver come standard to ensure safe and reliable surgical outcomes

OPTIONAL & UPGRADEABLE FEATURES

- AGSS - Anaesthetic Gas Scavenging System
- Multiple Anaesthetic Gas Monitoring (AGM) or CO_2 with mainstream or side stream option
  Vaporizers - All aesthetic agents with various filling options, Support Selectatec mounting upto 2 units

Aeon 8600A A-mac

PORTABLE CT SCANNERS

> CereTom® Elite

> OmniTom® Elite

> BodyTom® Elite

> CereTom® Equipped Moblile Stroke Unit

CereTom® Elite

8-slice Portable Head & Neck CT Scanner

FOR NEURO & ICU IMAGING

> 8-slice
> 1.25 mm, 2.5 mm, 5 mm and 10 mm slice thickness
> 512 x 512 Image Resolution

COMPREHENSIVE CAPABILITIES

> 2D/3D/MPR Viewing
> Non - Contrast CT and CT Angiography
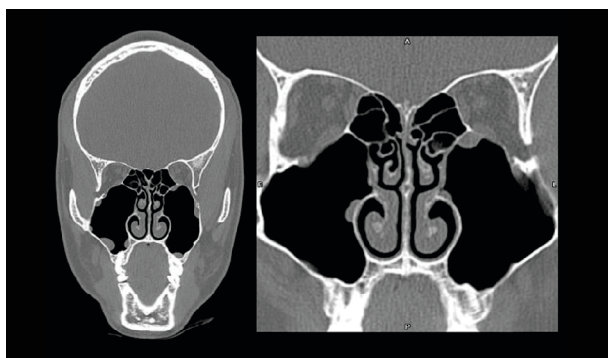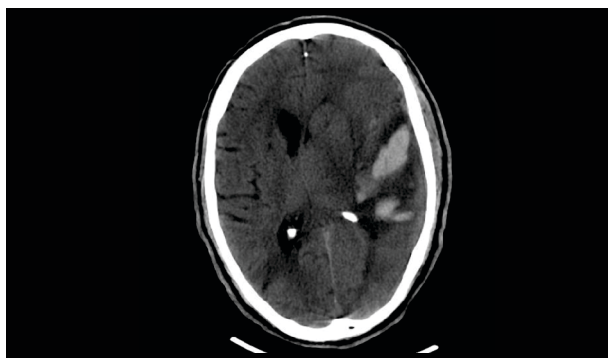
BROAD FLEXIBILITY

> Integrates with all ICU beds & hospital gurneys
> Scanner moves, patient does not

EASY INTEGRATION

> Compatible with all PACS, DICOM 3 certified
> Cable or wireless connectivity to PACS
> Battery powered
> Single phase / Type-B / 110V-200V / 50-60 hz / 15 A

CereTom® Elite

NeuroLogica
A Subsidiary of Samsung Electronics Co., Ltd

OmniTom® Elite

16 slice Portable Mobile CT Scanner

OPTIMISED FOR ICU /TRAUMA /ED /OR

- 16-slice Point-of-care CT
- Noise Reduction
- Metal Artifact Reduction
- Computer Aided Diagnostics
- Axial, Helical, CT Angiography
- Compatible with Navigation systems
- Slice Thickness: 0.625 mm
- Single Phase Battery operated

OmniTom® Elite

KEY ADVANCEMENTS

IMPROVED DOSE EFFICIENCY

- Introducing the N-DAS: Combining an ultra-low electronic noise detector and a 24-bit lossless imaging chain which reduces artificial image noise created by electronics. OmniTom is proud to support MITA smart dose and is XR-29 compliant with mA modulation, structured dose reporting, and standardized protocols

IMPROVED WORKFLOW

- World's first medical device with an omni-wheel allowing for intuitive lateral, diagonal, and 360° movement

INTUITIVE USER INTERFACE

- Programmed from the ground up for the modern electronics aficionado with rewarding touch interactions, vocal feedback, and beautiful animations. Completed to be simple to use, but with deep customization

ENHANCED SAFETY SYSTEM

- The smart sensing collision avoidance sensors visually warn the user of obstructions and stop the OmniTom before incident
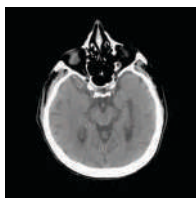
ERGONOMIC DESIGN

- Made from the ground up with the single user in mind. Let OmniTom shoulder the weight with strategically placed attachment points for all accessories
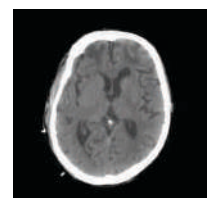
IMAGE GALLERY
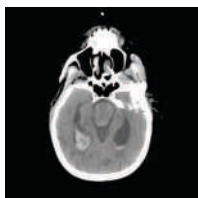
| Adult Bleed | Adult Neuro | CTA | Coronal CTA | CTA | Adult Craniectomy |

| Sagittal CTA | Stroke | Adult Lower E tremity |

NeuroLogica
A Subsidiary of Samsung Electronics Co., Ltd

BodyTom® Elite

32 Slice Portable Whole Body CT Scanner

OPTIMIZED FOR USE IN
- OR - Neuro Surgery
- Interventional Radiology
- Trauma / ED / ICU
- Diagnostic Radiology
- Disaster Management

SUPERB 3D IMAGE QUALITY
- 32 Slice
- 85 cm Gantry, 60 cm FOV, 4 cm Aperture
- 1.25 mm, 2.5 mm, 5.0 mm and 10 mm slice thickness
- 512 x 512 image resolution
- Maximum scan length of 2 meters

COMPREHENSIVE CAPABILITIES
- Axial, Helical & Dynamic
- CT Angiography
- 2D / 3D / MPR / VRT Viewing
- Automatic exposure control
- Low Dose Lung Scanning Protocol
- Metal artifact reduction
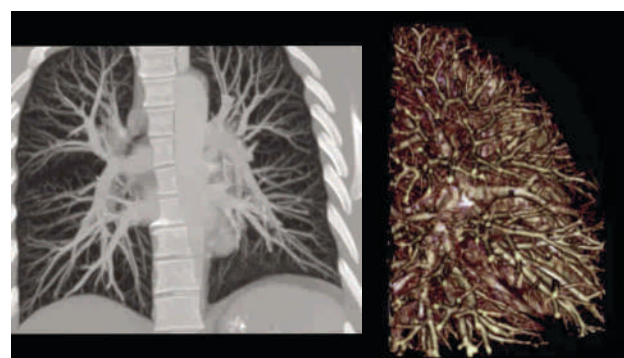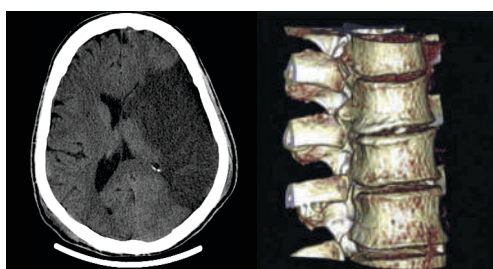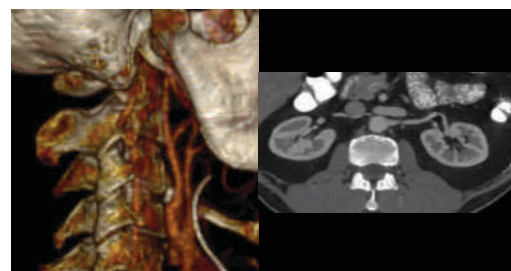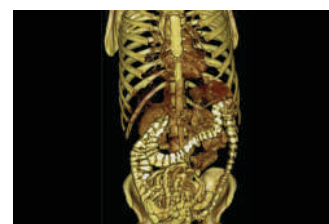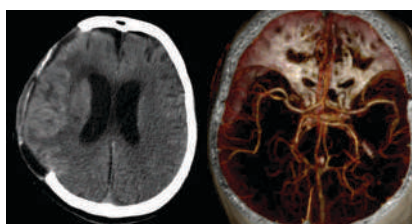- Tilt sensor for floor qualification

COMPLETE PORTABILITY
- Built-in drive system with internal lead shielding
- Battery-powered

EASY INTEGRATION
- DICOM 3.1, HIS, RIS & IHE
- Compatible with Electronic Medical Record and Planning systems

BodyTom® Elite

NeuroLogica
A Subsidiary of Samsung Electronics Co., Ltd
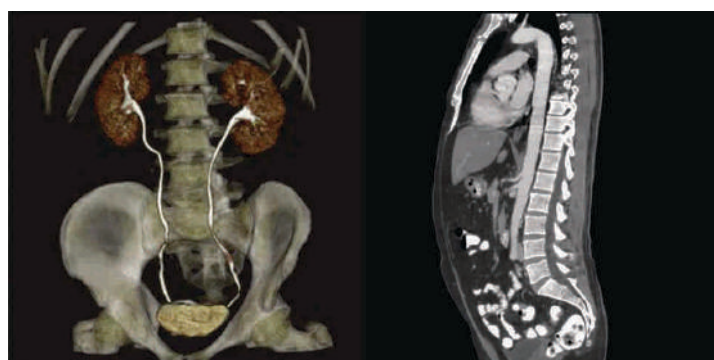
CereTom® Equipped Mobile Stroke Unit

An innovation in pre-hospital stroke treatment

OPTIMISED FOR ICU / TRAUMA / ED / OR

- Approximately 87% of strokes are ischemic and could be treatable with TPA if administered within 3 hours
- Reducing time to treatment is critical to the health of a stroke patient
- Schiller India with NeuroLogica developed India's first mobile stroke ambulance equipped with a CereTom CT Scanner
- CereTom produces real-time, high-quality low contrast images at the site of triage
- Diagnosis onsite can reduce time to tPA treatment or transport to a comprehensive stroke center by upto 33%

CereTom® 8-slice mobile CT is designed from the ground up for ambulance use:

Small footprint

- Stays out of the way until needed, allowing for movement inside the vehicle
- Does not necessitate increasing the size of the ambulance

Powerful imaging, low powered device

- IAC CT accredited for image quality
- Extremely low radiation scatter
- 1300 watts peak off 120 v standard wall plug

Rugged and reliable

- Precise engineering in a small package to reduce harm to the machine from shaking, idling, and sudden movements
- Crash test certified vehicles
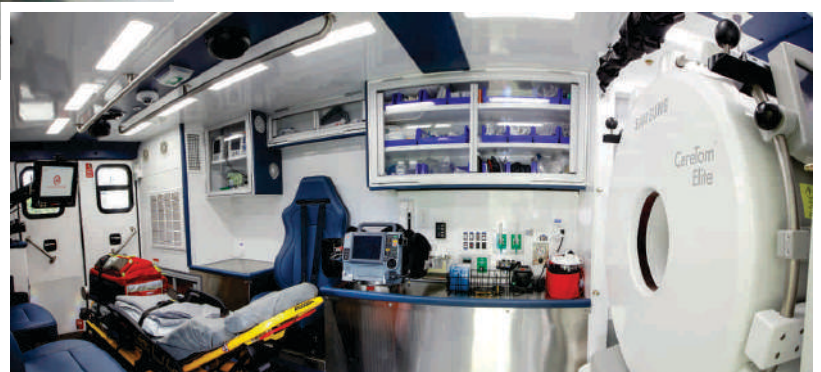
MSU
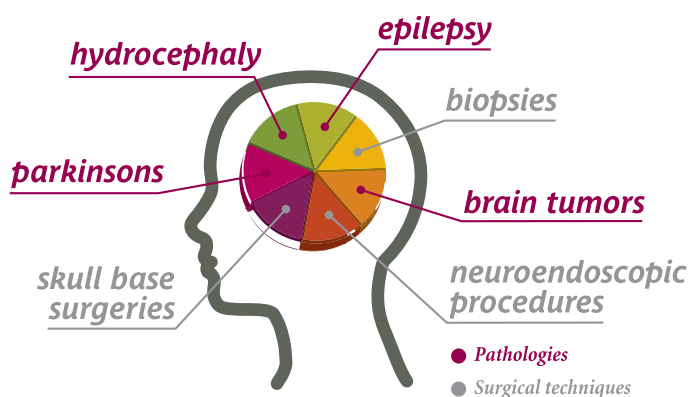
NEUROSURGICAL ROBOT

> ROSA™ BRAIN

ROSA™ BRAIN

Surgical Assistance Robot with Contactless Registration

ROSA™ promises to deliver an entirely new level of surgical assistance for a variety of neurosurgical procedures. It offers a seemless combination of the latest generation in computer science and robotic technology in order to bridge the gap between surgical planning and execution. ROSA™ integrates cutting edge tools for pre-operative planning, instrument guidance, interaoperative navigation and intrument manipulation. This exclusive combination of features provides increased accuracy, reliability and control over the procedure.

- Cranial Stereotactic Neurosurgery
- Ventricular Endoscopic Neurosurgery
- Trans-nasal Endoscopic Neurosurgery
- Navigated Open Neurosurgery DBS, SEEG, EPILEPSY
- Haptic shared control system
- Pre-operative Planning Platform
- Markerless Automatic Registration (Navigation)
- Robotic Instrument Guidance
- Complex Instrument Manipulation

ROSA™ BRAIN

hydrocephaly
epilepsy
biopsies
parkinsons
brain tumors
skull base surgeries
neuroendoscopic procedures

● *Pathologies*
● *Surgical techniques*

Simplified workflow → **Pre-operative data acquisition** → **Pre-operative planning** → **Patient registration** → **Surgical guidance**

ZIMMER BIOMET

SCHILLER Headquarters
Baar, Switzerland

Part No.: B10.100001 ||||||||||||||||||||||| 10/25 Ver. No. 1.7

Technical data are subject to change without notice

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