



Innovation in Life's Medical Technology



MEDICAL PARK - SAMSUN

# Projects

The strength of your performance  
is the partner you choose!



## ACENDIS TURN-KEY PROJECTS

### From planning to implementation

Our work begins far in advance of the actual ordering of the required medical technology. We are often called in during the early phases of the planning process of new construction projects for individual clinics, and are therefore able to improve the planning security of our clients throughout the entire project.

However, even if it “merely” involves the procurement of products from a selection of manufacturers and co-ordinated delivery within the framework of a conversion or modernization project, the experience we have accumulated from more than 110 client projects provides genuine added value.

You can depend on reliable delivery of goods and equipment ordered according to your own schedule. Anyone who has ever had to bear the responsibility for a procurement project understands the magnitude of this advantage.

In the field of direct handling of goods, our expertise lies in placing orders with manufacturers to precisely match production lead times and delivery to our clients. We are able to buffer stock in our own warehousing facility to eliminate chronological differences making us independent of suppliers. In the interests of our clients, we place great value in reducing the storage times of goods in our warehouse to an absolute minimum. This may sound simple, yet in reality the opposite is the case. It requires years of experience, specialized knowledge and the requisite connections. But then, this is the reason we are here.



MEDICANA - ANKARA



MEDICALPARK - ORDU



# Financial Services

We help to organise financing solutions for medical facilities worldwide.



## ACENDIS Financial Services

Flexible solutions for all your financing needs

Based on long lasting experience, we developed a knowledge of financing healthcare projects. Our international specialists and partners truly understand the complex challenges that are given by new healthcare projects. We help to organise credits and work closely together with German banks and financial institutions.

To develop flexible solutions in financing is our business. We work hard to ensure our clients' success exceeds their greatest expectations in all financial aspects so they look forward to doing business with us again.





# Logistic Solutions

We are specialised in supplying medical facilities worldwide.



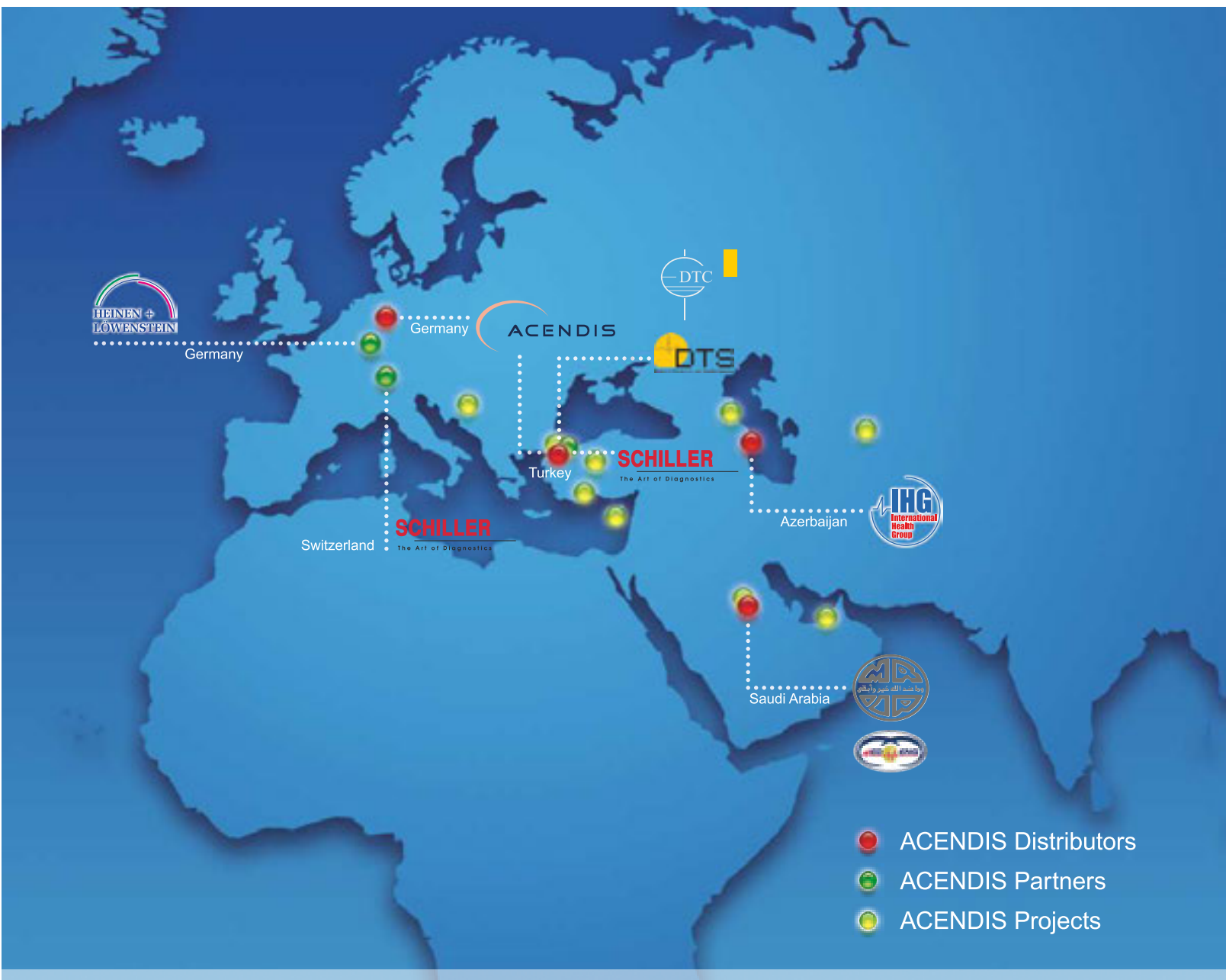
## ACENDIS Logistic Services

### Just-in-time organised solutions

Our logistics solutions are thoroughly analysed and assessed for optimal efficiency. We allow you to focus on your core business, while we manage the entire logistics by expertise that has grown over many years.

Air, water and land transport is organised by us around the globe. We connect locations, optimise routing and maximise cargo capacity utilisation. In addition we offer storage room in our own central warehouse in Hannover, where your goods can be stored temporarily. On your demand we organise the logistics so your goods will arrive just-in-time at the right destination for a successful installation.





# Projects - Reference List

ACENDIS - Hannover, Germany

ACENDIS - Istanbul, Turkey

SCHILLER - Istanbul, Turkey

IHG - International Health Group - Baku, Azerbaijan

DELTA TRADE COMPANY - Istanbul, Turkey

DTS - Dijital Teknoloji Servisi - Istanbul, Turkey

Almansouryah - Riyadh, Kingdom of Saudi Arabia

Medical Engineering Equipment & Services Co. Ltd.

- Riyadh, Kingdom of Saudi Arabia

SCHILLER - Baar, Switzerland

HEINEN + LÖWENSTEIN - Bad Ems, Germany



- VAN DEVLET HASTANESİ YANIK MERKEZİ / VAN
- ADANA UNIVERSAL HOSPİTAL / ADANA
- BİLGE HASTANESİ / ADAPAZARI
- EGE SAĞLIK HASTANESİ / DENİZLİ
- KADIOĞLU HASTANESİ / İSTANBUL
- ESENLER HAYAT HASTANESİ / İSTANBUL
- CYPRUS LIFE HOSPİTAL / LEFKOŞE- KIBRIS
- BEŞYÜZEVLER ŞAFAK HASTANESİ / İSTANBUL
- GÜVEN TIP MERKEZİ / MALATYA
- VENİ VIDI HASTANESİ / DİYARBAKIR
- AKAY HASTANESİ / ANKARA
- MARMARA HASTANESİ / KOCAELİ
- PROF. DR. TURAN ÇETİN TÜP BEBEK MERKEZİ / ADANA
- BOĞAZIÇI TIP MERKEZİ / İSTANBUL
- AKDENİZ HASTANESİ / MANAVGAT- ANTALYA
- BİLGE HASTANESİ / MANAVGAT- ANTALYA
- BUCA TIP MERKEZİ / BUCA-İZMİR
- ARNAVUTKÖY HASTANESİ / İSTANBUL
- ASPENDOS HASTANESİ / SERİK ANTALYA
- KONAK HASTANESİ / KOCAELİ
- MED TECH KIBRIS HOSPİTAL / KIBRIS
- HÜMA KADIN DOĞUM HASTANESİ / KAYSERİ
- KASTAMONU ANADOLU HASTANESİ / KASTAMONU
- ATASAM HASTANESİ / SAMSUN
- SEVGİ HASTANESİ / MANAVGAT- ANTALYA
- GENESIS KADINDOĞUM HASTANESİ / DİYARBAKIR
- BATMAN DÜNYA HASTANESİ / BATMAN
- GÖZDE HASTANESİ / MALATYA
- HAYRİ SIVRIKAYA HASTANESİ / DÜZCE
- İPEKYOLU HASTANESİ / GAZİANTEP
- ALANYA CAN HASTANESİ / ALANYA
- DÜNYA GÖZ HASTANESİ ALTUNIZADE / İSTANBUL
- OPTIMED GÜVEN HASTANESİ / ÇERKEZKÖY-TEKİRDAĞ
- MAYA KADINDOĞUM HASTANESİ / AKSARAY
- LOKMANHEKİM HASTANESİ / SİNCAN-ANKARA
- İMPERYAL HASTANESİ / TRABZON
- VERSA HASTANESİ / NEVŞEHİR
- SEVGİ HASTANESİ / BALIKESİR
- MEDI-TECH HOSPİTAL / ORDU-FATSA
- NOBEL TIP MERKEZİ KENAN EVREN ŞUBESİ / ADANA
- LIFEMED TIP MERKEZİ / İSTANBUL
- HEKİMKÖY TIP MERKEZİ / ARTE SAĞLIK HİZMETLERİ / İSTANBUL
- BOĞAZIÇI TIP MERKEZİ / İSTANBUL
- ACIBADEM KOZYATAĞI HASTANESİ / İSTANBUL
- ACIBADEM MASLAK HASTANESİ / İSTANBUL
- ACIBADEM FULYA HASTANESİ / İSTANBUL 2009/2010
- ACIBADEM ESKİŞEHİR HASTANESİ / ESKİŞEHİR 2010
- ACIBADEM ADANA HASTANESİ / ADANA

- ACIBADEM KAYSERİ HASTANESİ / KAYSERİ
- ACIBADEM CAROUSEL HASTANESİ / İSTANBUL
- J.F.K HOSPİTAL İSTANBUL / İSTANBUL
- AVRASYA HOSPİTAL / İSTANBUL
- BAHAT HOSPİTAL / İSTANBUL
- MESA HASTANESİ / ANKARA
- MEDICANA BAĞÇELİEVLER HASTANESİ / İSTANBUL
- MEDICANA ÇAMLIÇA HASTANESİ / İSTANBUL
- 100 YATAKLI JANDARMA HASTANESİ / ANKARA
- MEDICANA INTERNATIONAL HASTANESİ / İSTANBUL
- MEDICANA DIŞ HASTANESİ / İSTANBUL
- MEDICANA ANKARA HASTANESİ / ANKARA
- MEDICAL PARK BURSA HASTANESİ / BURSA
- MEDICAL PARK BAKIRKÖY HASTANESİ / İSTANBUL
- MEDICAL PARK ANTALYA HASTANESİ / ANTALYA
- MEDICAL PARK GÖZTEPE HASTANESİ / İSTANBUL
- MEDICAL PARK VAN HASTANESİ / VAN
- MEDICAL PARK ORDU HASTANESİ / ORDU
- MEDICAL PARK BATMAN HASTANESİ
- MEDICAL PARK ŞİFA HASTANESİ / BATMAN
- MEDICAL PARK TOKAT HASTANESİ / TOKAT
- MEDICAL PARK ELAZIĞ HASTANESİ / ELAZIĞ
- TEKİRDAĞ YAŞAM HASTANESİ / TEKİRDAĞ
- RENTİP CERRAHİ TİP MERKEZİ / BURSA
- GÖZTEPE ŞAFAK HASTANESİ / İSTANBUL
- ÖZEL İSKENDERUN GELİŞİM HASTANESİ / İSKENDERUN
- DÜNYA GÖZ HASTANESİ ATAÖY / İSTANBUL
- GAZİ OSMANPAŞA HASTANESİ / İSTANBUL
- AVICENNA HASTANESİ / İSTANBUL
- ÖZEL ECHOMAR BEYLİKDÜZÜ HASTANESİ / İSTANBUL
- ANDEVA HASTANESİ / ANTALYA
- CARIA HASTANESİ / MARMARIS
- BSK KÜTAHYA ANADOLU HASTANESİ / KÜTAHYA
- BATMAN ALMAN HASTANESİ / BATMAN
- ÖZEL ESKİŞEHİR SAKARYA HASTANESİ / ESKİŞEHİR
- ÖZEL ALTINOVA HASTANESİ / ADAPAZARI
- DÜNYA GÖZ HASTANESİ-ETİLER / İSTANBUL
- DÜNYA GÖZ HASTANESİ-ANKARA / ANKARA
- MEMORIAL HASTANESİ-ATAŞEHİR / İSTANBUL
- ÖZEL SANİ KONUKOĞLU HASTANESİ SANKO / GAZİANTEP
- DÜNYA GÖZ HASTANESİ / ADANA
- MEMORIAL HASTANESİ / ANTALYA
- KADIKÖY HASTANESİ SİFA / ATAŞEHİR
- DÜNYA GÖZ HASTANESİ / SAMSUN
- OFM HASTANESİ / ANTALYA
- DÜNYA GÖZ HASTANESİ / PENDİK
- MEMORIAL HASTANESİ / DİYARBAKIR
- RESPUBLICA DIAGNOSTIC CENTER / BAKU
- BAKU MEDICAL PLAZA / BAKU





# Focus on: Özel OfM Antalya

We are specialised in realising worldwide medical TURN-KEY PROJECTS.

## ACENDIS TURN-KEY PROJECT

### Özel OfM Antalya Hastanesi

The Özel OfM Antalya is one of the most advanced hospitals in Turkey. It offers its guests the latest technology a high quality care by highly specialised physicians. ACENDIS realised the TURN-KEY PROJECT in close cooperation with our client.

ACENDIS took care of the planning of the required equipment according to the needs of the Özel OfM. Afterwards ACENDIS accomplished the purchase, transport, installation and service of the medical equipment. ACENDIS also helped to finance the project by opening and handling several letters of credits.

#### Provided Services:

- Planning of the needed equipment
- Purchasing, transport, installation and service of the medical equipment
- Consultation about letters of credits

#### Beds/ICU:

- 5 Operating Theatres
- 130 beds
- 26 ICU
- 15 NICU

#### Equipment:

- Complete medical equipment for this hospital was supplied

#### Disciplines:

- Radiology
- Ophtamology
- Cardiology
- Neurology
- Endoscopy
- Emergency
- Physiotherapy
- Orthopedy
- Neonatology
- Gynecology
- Intensive Care System
- Operating theatre
- Urology
- ENT
- Maternity
- NICU







# ACENDIS Showroom

We offer the whole range of medical devices.

## ACENDIS SHOWROOM

Hannover

Get a first look at our range in our showroom in Hannover, Germany.  
Our specialised personnel will answer your questions and help you to  
find the right products for your project.





# ACENDIS Showroom

We present the latest devices.



## ACENDIS SHOWROOMS

### Germany

Visit our showrooms and those of our partners in Germany and Europe.  
We coordinate your appointments and accompany you to provide  
the ultimate in service, consulting and comfort.



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# Suction Pumps

## ARDO Primus

A compact, portable, high-vacuum suction pump for the removal of mucus, secretion, blood and rinsing fluid.

29 l / minute



## ARDO Primus cell

A battery-operated, compact, portable high-vacuum suction pump for the removal of mucus, secretion, blood and rinsing fluid. Also suitable for use in emergency treatment.

22 l / minute



## ARDO Senator Low Vacuum

The suction pump with especially low noise levels for all procedures where low vacuum is required.

30 l / minute



45 l / minute

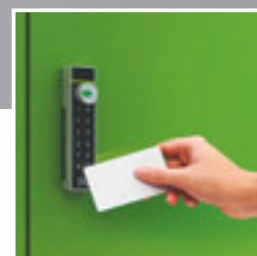


## ARDO SENATOR

A suction pump for all surgical procedures requiring performance, mobility and versatility.

## ARDO MASTER 45

A suction pump for all surgical procedures requiring high performance, rapid vacuum creation and mobility.



# Programme of Functional Cabinets

MEGAprogress



## MEGAprogress

The new MEGAprogress cabinet product line puts more swing in your rooms. New functions help you to develop faster, more efficient and more ergonomic workflows.



- Innovative MEGAclick connector system
- LED interior lighting
- Flexible marking system
- Electronic lock system for maximum security

Operating Theatre





# Functional Trolleys

MEGAdrive

## Dressing & treatment trolley

Mobile assistants for clinics, medical practices and outpatient departments

- The work surface made of rugged ABS is easy to clean, UV-resistant and suitable for laser technology
- Drawers with a soft closing function
- Noise-damping insulation, impact and scratch-proof, hygienic and resistant
- Uniquely shaped push handles for ergonomic handling
- Extensive range of colours and accessories for many medical applications



## Nappy changing trolley



## Anaesthesia trolley







# Mobile Functional Equipment

PROassist

### Hydraulic Mayo table

The practical instrument table – easy height adjustment using a foot pedal.

- Heavy, tip-resistant 3-leg construction
- Built-in precision pump
- Solid, seamless, deep-moulded tabletop



### Mayo table “Model Tübingen”

This extra-large tabletop has enough place for all instruments.

- Instrument and device table
- Built-in precision pump for height adjustments
- Conductive, extra-large tabletop



Operating Theatre

### Heated bowl stand

BLANCO bowl stand is used to heat rinsing solutions and is preferred for the operating theatre. The device conforms to MPG (Medical Device Directive) Class 1 and bears the CE symbol.

- Easy-to-read control lever
- Built-in thermostat in stainless steel casing
- LED operating voltage display
- Safety plug
- Height 1004 - 1275 mm





### Aaron® 2250

#### Digital electrosurgical generator

The Aaron® 2250 is a multipurpose electrosurgical generator for use in the modern operating theatre and surgi-center. It features both monopolar and bipolar functions to satisfy all of your surgical demands with safety, flexibility, reliability and convenience.



### Aaron® 3250

#### Digital electrosurgical generator

The Aaron® 3250 is a 300 watt multipurpose electrosurgical generator for use in the modern operating theatre and surgi-center. It features both monopolar and bipolar functions to satisfy all of your surgical demands with safety, flexibility, reliability and convenience.



### Smoke Shark™

#### Smoke and particle removal

The Aaron® Smoke Shark™ is designed to be easy to use and extremely effective at smoke and particle removal at the operative sight. Although designed for use with all electrosurgical generators, it is also excellent for use in controlling laser smoke.



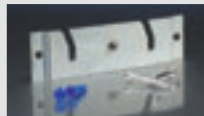




### Aaron® 940

#### High frequency desiccator

The Aaron® 940 high frequency desiccator forever removes the need to go through a tedious multi-step process when changing from low to high power forever. The 940's digital power control system allows you to change from low to high by simply pushing the up / down buttons on the hand piece or rotating the power control knob. If you need to use a foot control just plug it in. There is no need to purchase an expensive separate hand piece for foot control situations.



### Aaron® 950

#### High frequency electrosurgical generator / desiccator

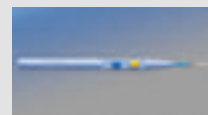
The first and only high frequency desiccator with cut. One half of the unit is a high frequency desiccator, out of the mold of the very popular Aaron® 900. The other half provides 60 watts of cutting power and coag capabilities – plenty of power for LLETZ / LEEP or almost any cutting procedure performed in the doctor's practice.



### Aaron® 1250

#### High frequency electrosurgical generator

The Aaron® 1250 features cut, blend, coagulation, fulguration and bipolar modes. It is a multipurpose electrosurgical generator for use in the modern physician's practice and surgi-center. It features both monopolar and bipolar functions to satisfy all of your surgical demands with safety, flexibility, reliability and convenience.



## Electrosurgical Accessories



# Electrosurgical Generator

## icon|Gi

The ICON Gi is an innovative electrosurgical generator with fully digital implementation for use in today's modern GI suites.

- Touch-screen interface with high resolution TFT colour display
- Swivel bezel allows the screen to be viewed from almost any angle
- Physician preference database provides a quick changeover between cases
- Intuitive graphical user interface allows easy setup and quick settings adjustments



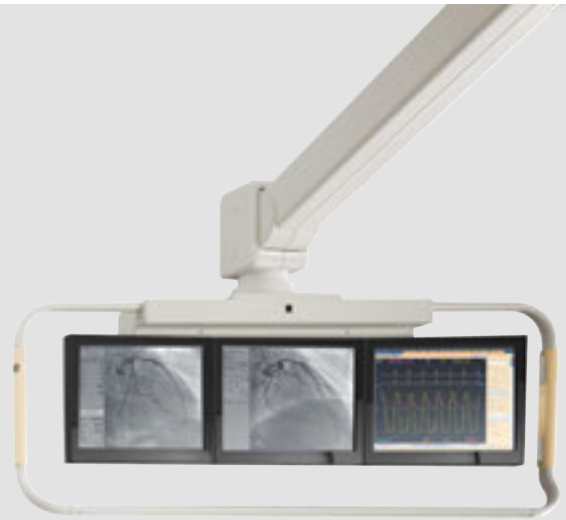




## Carbon Operating Table

## MRT5600 II

The table top of the MRT5600 II is made of carbon fibre. With the MRT5600 II, medifa has successfully developed a mobile imaging operating table, which is suitable for application in numerous surgical disciplines, such as neurosurgery, cardiovascular surgery, orthopedic and traumatology surgery, endoscopic surgery, spinal surgery or pain therapy.





# Operating Tables





### **MAT5000 / MOT6000**

The MAT5000 and the MOT6000 series have two different base constructions with different height adjustment ranges, ensuring a high degree of flexibility. The comprehensive range of accessories available enhances surgical applications, ensuring safe patient positioning during treatment and operational procedures.





## Operating Light Systems

## UltraView Headlight

### LED

The UltraView headlight provides the surgeon with the ultimate in comfort, visibility and flexibility.

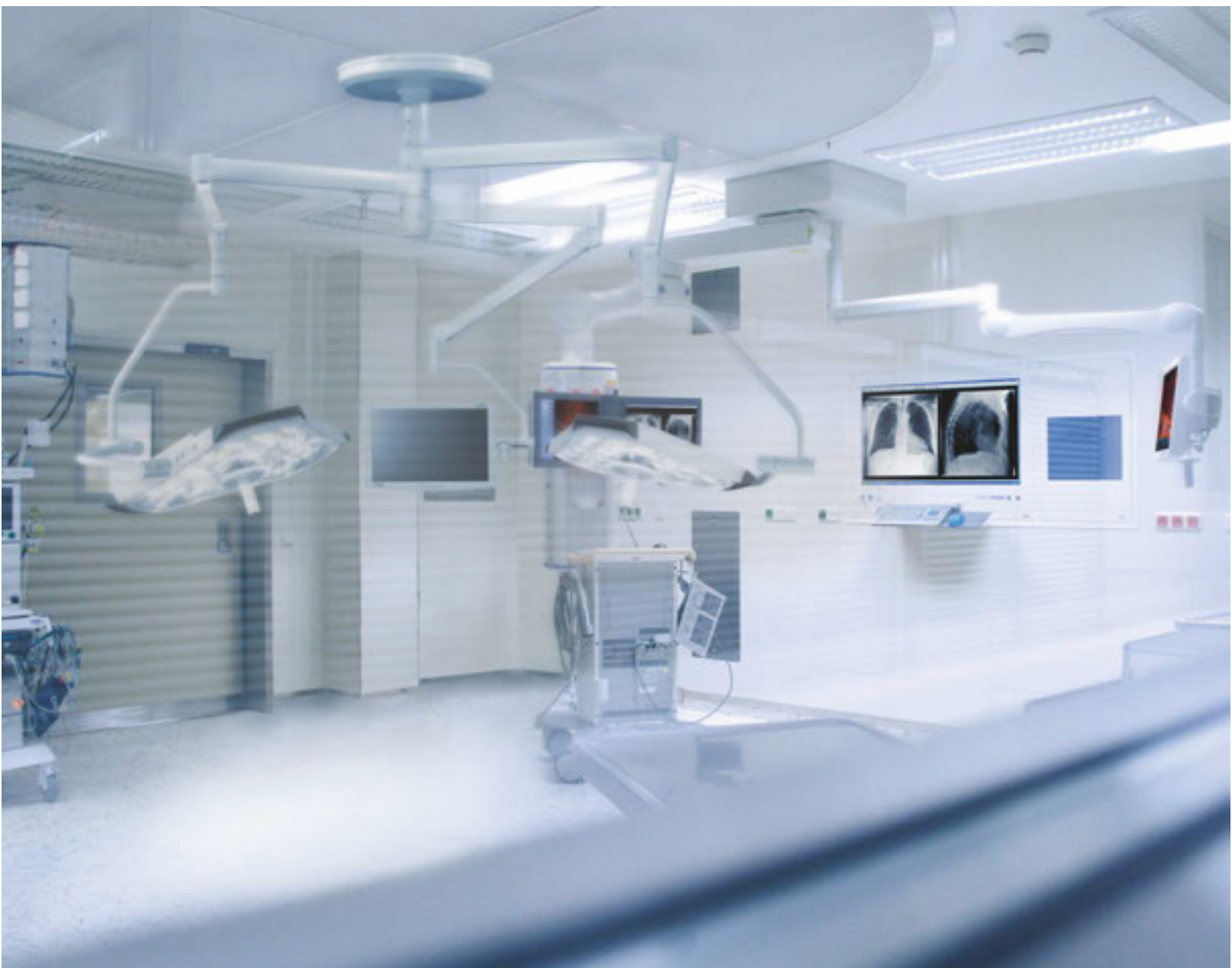


- Push and twist adjustable headstrap
- Adjustable headband
- Water and liquid resistant cable connections
- Focusable, consistent white LED light

- Cordless technology
- Excellent visibility
- Lightweight and comfortable
- Three levels of brightness

Operating Theatre





# Medical Multiconsole





### **S-CAPE® medical multiconsole**

The S-CAPE® / PLANILUX® medical multiconsole is designed to either run individual or combined applications in operating theatres such as PACS, HIS, video management, a/v conferencing, video streaming and more or as one centrally integrated system (digital OT) for many applications. It is designed to be used in or on the OT wall with a minimum depth of 10.5 cm for major space saving in the OT. A mobile version is possible with the S-CAPE® medical cart.





# Pendant-Mounted System

## S-CAPE® touch free

Some surgical procedures require simultaneous image-viewing on the pendant-mounted display in the sterile area and preferably direct control of the displayed images by the surgeon. The solution is S-CAPE® touch free. It is placed in the sterile area and displays an image (clone image) identical to that on the S-CAPE® medical multiconsole. S-CAPE® touch free gives the surgeon the freedom to independently control all image-displaying processes while maintaining sterile ambient conditions by using the touch-free sensors located and distributed on two sides for function control.





# DICOM Viewer



## Touch-based interactive DICOM viewer

S-CAPE® has designed an optimised user concept for touch screens. This intuitive and easy-to-operate image-viewing and processing program provides a range of exclusive functions such as:

- Intuitive interaction
- Advanced 3D visualisation
- Data enrichment
- Surgical planning





# Surgical Lights



### **Sim.LED 7000 / Sim.LED 5000**

The very latest single-colour white-light LEDs, the patented reflector technology and arrangement of the LEDs as part of a unique design, all result in more light with no shadow. Sim.LED offers perfect light conditions for any operation. Sim.LED is also setting standards in hygiene and cleanliness, thanks to the seamless, sealed construction and the scratchproof, easy-to-clean monolayer safety glass.

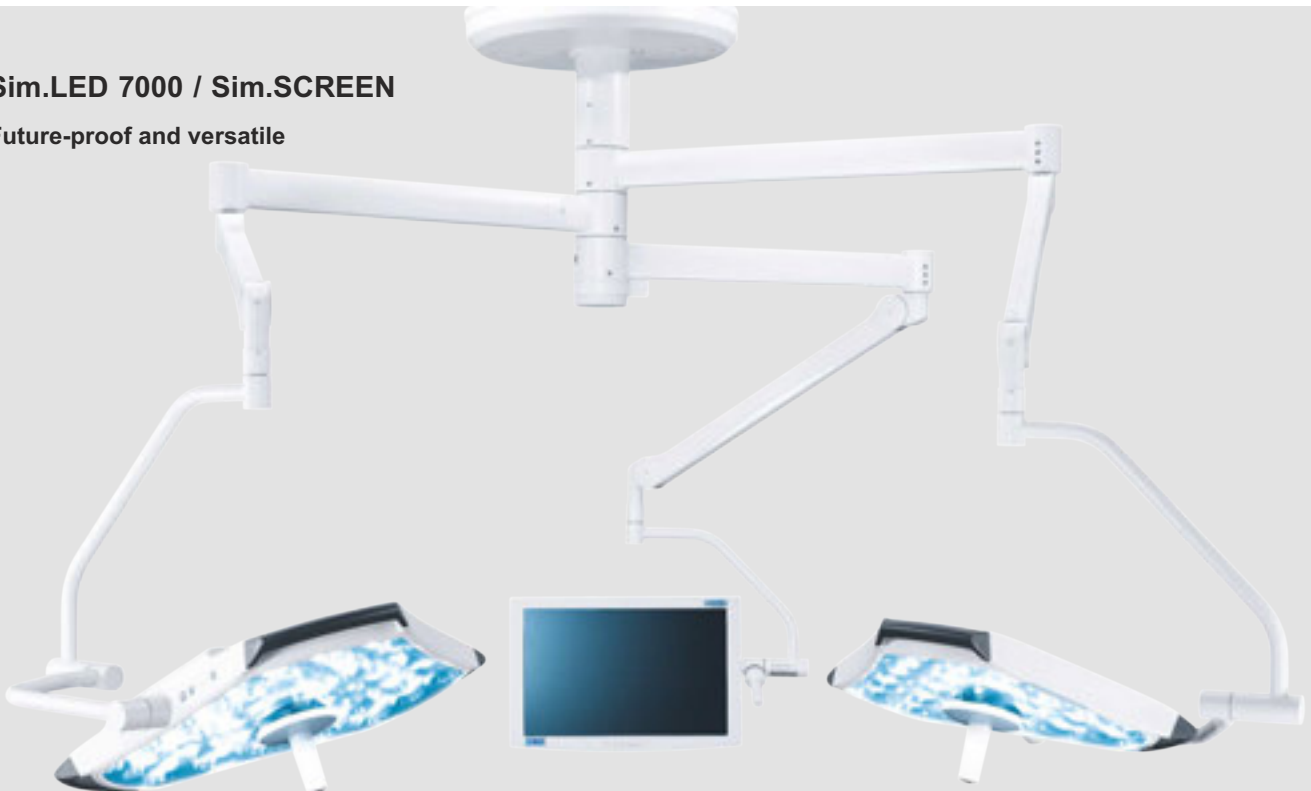


# Surgical Lights



## Sim.LED 7000 / Sim.SCREEN

Future-proof and versatile



- Easy to combine with integrated systems via Sim.INTERFACE
- Extreme long span of life
- System can be extended with Sim.CAM camera and Sim.SCREEN monitor support arm system
- Environmentally friendly: highest energy efficiency with the lowest heat generation
- Low-maintenance, easy to service, easy access to all components
- Upgradeable service software

Operating Theatre

## Sim.LED 7000 mobile lamp





### **Sim.LED 4500**

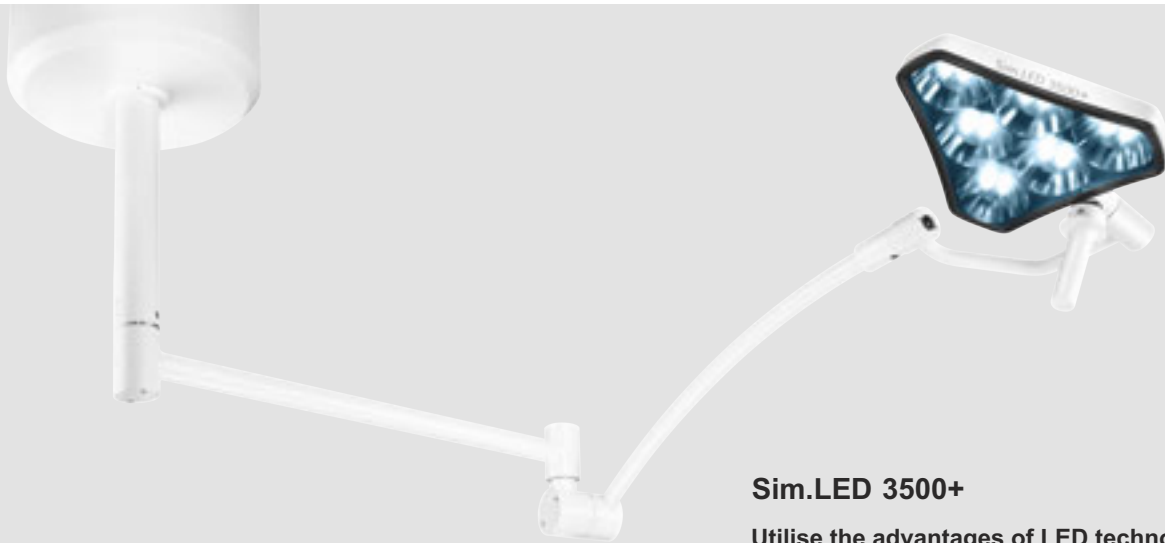
The Sim.LED 4500 is the ideal light for out-patient surgery as specified for dental or plastic surgery operations. Despite its compact, space-saving size, this light is always at hand to provide safe, reliable illumination to an ideal depth.



### **Sim.LED 3500+ mobile lamp**



# Surgical Lights



### **Sim.LED 3500+**

**Utilise the advantages of LED technology.  
Now available for examination procedures.**

- Innovative and modern design
- OT light quality
- Optimal light-emitting surface,  
unique shadow-resolution
- Low weight, ideal manoeuvrability





## Ceiling-Mounted System





### DVE 5100 and DVE 5200

The moveable, height adjustable pendant arms of the supply units provide optimum freedom of movement in the workplace. With one or two arms, they are also available in a wide range of sizes.



The intelligent OT – digital, networked, centrally controlled.

# Endoscopy

For operating theatre and surgery

## ENDOCAM® Logic HD

ENDOCAM® Logic HD is the logical advanced development of existing camera systems from Richard Wolf. Sophisticated development processes and the exceptional expertise within the company have created a product which leaves nothing to be desired. ENDOCAM® Logic HD develops its full power within a complete, innovative and integrated system which holds a leading position in the market for endoscopic cameras.

- eyeMAX® endoscopes with chip-on-the-tip technology
- Intelligent LED light sources
- Efficient fibre light guides
- Touch display mounted on the unit
- Menu navigation on the main monitor





# Endoscopy

For operating theatre and surgery



## Princess

### Bi-polar and mono-polar resectoscope

- E-line fast locking mechanism
- PANOVIEW telescope 12°
- Uniquely thin with 7 mm
- Hybrid technology



## KeyPort

### Single port surgery - scar-free surgery for laparoscopy

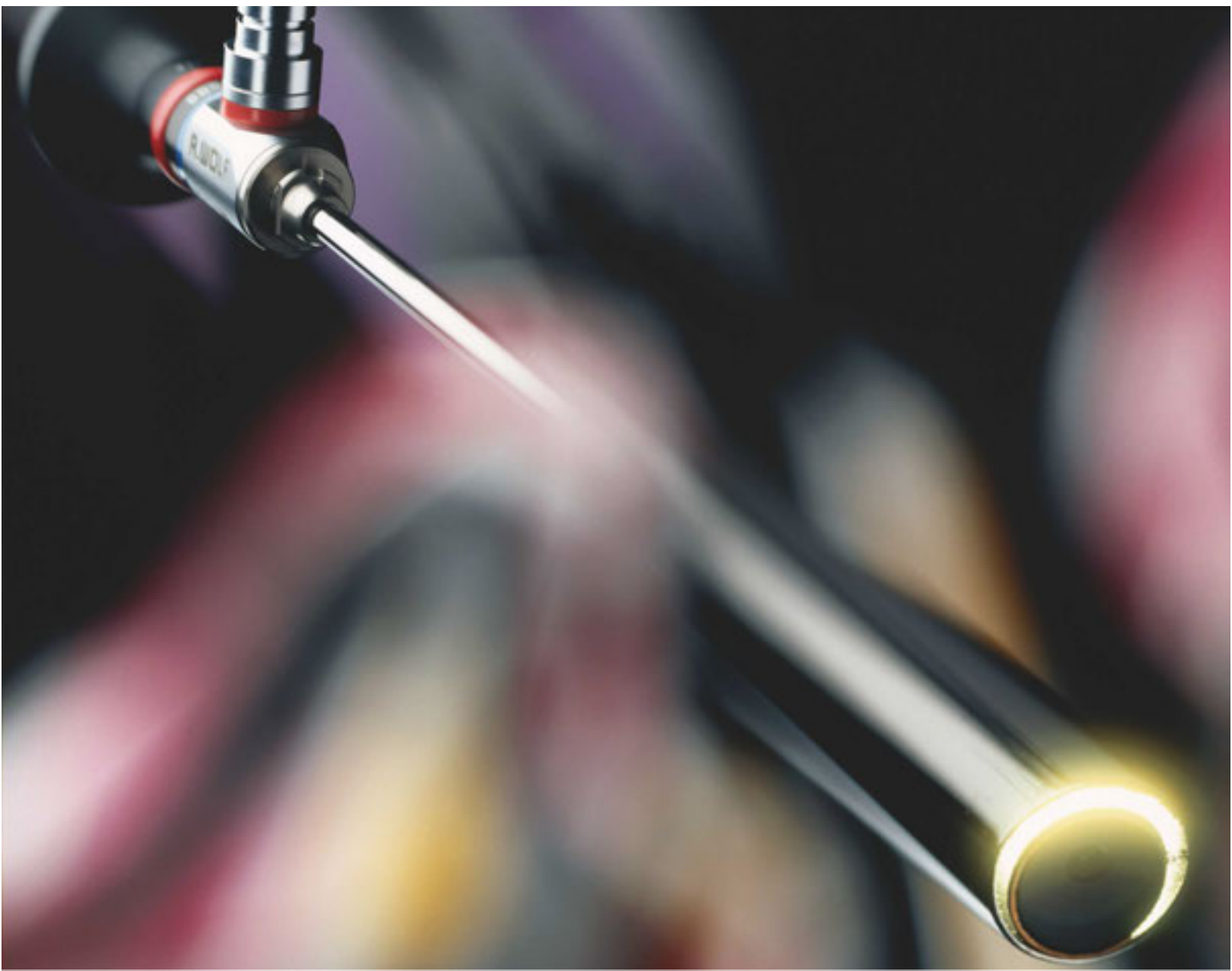
- High-quality materials and precise processing
- Instruments with universal application
- Modular setup
- Reusable

## Video mediastinoscopes

### A system for stereotactic frameless removal of biopsies in neurosurgery

- A special high performance telescope integrated into the blade and handle
- Expandable and parallel adjustable atraumatic blade
- Optimal space and operative conditions within the surgical field





# Endoscopy

For operating theatre and surgery

## COXARTIS

Alignment device permits stable, precise and reproducible positioning of the work portals in hip-joint arthroscopy

- Very high stability and accuracy
- Easier access to the hip joint
- Automatic locking mechanism between the rotatable irrigation ring and the alignment arc



## VERTEBRIS discoscope

Cervical full-endoscopic spinal instrumentation

- Panoview plus discoscope
- 25° angle of view
- 3.1 mm working channel

## Frameless

A system for stereotactic frameless removal of biopsies in neurosurgery

- Universal retainer arm
- Instrument guide / catheter guide
- Axial control of the instrument / catheter guide





# Endoscopy

For operating theatre and surgery



### Operating laryngoscope

For use in pharyngoscopy / laryngoscopy



### Laryngofissure retractor

For tracheal surgery



### Stereoscope

For transanal endoscopic microsurgery  
with fixed and adjustable eyepiece





# Urology

For operating theatre and surgery

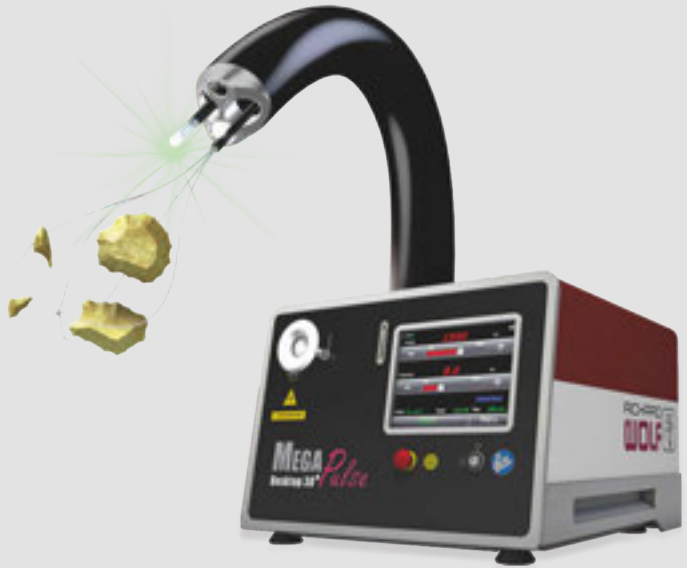
### MegaPulse Tower 30+

Powerful laser system for treatment of stones and more



### MegaPulse Desktop 30+

Great power was never so small



### MegaPulse 30+

Unique power in two versions

Innovative technology and the most advanced components result in maximum power output. The Desktop 30+ and Mini-tower 30+ are equipped with Holmium YAG lasers with a robust 30 watts or 4.0 joules and 25 Hz. This is more than adequate for stone dusting.



# Anaesthesia Technology

leon and leon xs



## Most advanced anaesthesia support

A present-day anaesthesia work station ought no longer provide just maximum technical performance, but also new and expandable platform concepts. These can be configured according to personal demands.

leon<sup>XS</sup>



leon



Anaesthesia

### leon xs

- Rebreathing ventilation performance up to the standard of an intensive ventilator
- Classical gas mixture via flow tubes
- Pneumatic ventilator drive
- Patient system designed for efficient preparation and most easy assembly
- Absorber change during operation
- Ventilation technology to care for patients of any age

### leon

- Rebreathing ventilation performance up to the standard of an intensive ventilator
- Classical gas mixture via flow tubes
- Pneumatic ventilator drive
- Patient system designed for efficient preparation and most easy assembly
- Absorber change during operation
- Ventilation technology to care for patients of any age
- Additional hardware and software options compared to leon xs



# Anaesthesia Technology

leon mri and leon plus

The flexible alternative in anaesthesia technology

*plus*  
**leon**



*mri*  
**leon**



Anaesthesia

### leon plus

like leon, extended by the following features

- 15" coloured TFT touchscreen
- Precise electronic gas mixture in a wide flow range of 200 ml/min up to 18 l/min, thus usable from the semi-open to quasi-closed range
- Various gas sensor options can be selected and integrated on the screen, with and without gas identification
- Optional view of four real-time graphs simultaneously
- Monitoring of supply pressures with on-screen display
- Complete data management with trend display
- Pressure-supported spontaneous ventilation PSV

### leon mri

- The power spectrum and the operation of the leon mri, match exactly, without any restrictions, with those of the already well-established leon.
- A further major logistic advantage can be found in the compatibility of the compact circuit system with the leon plus, leon and leon mri systems.
- The position to mri is monitored by an integrated magnetic field strength monitor.



# Operating Microscope

The ideal instrument for general surgery



## Microscope

The operating microscope is a multidisciplinary application, fully-motorised microscope, for ophthalmology, ENT- and neurosurgery and is also suitable for every type of eye surgery.



SOM® 62 ophthal



advanced





# Microscopes

General surgery

Neuro surgery



### M525 OH4

Surgical microscope system for multidisciplinary use.



### M525 F40

The premium surgical microscope solution for precision neurosurgery.

OP-Microscope



### M400 E

The one-hand-movement microscope for ENT surgery.





# Microscopes

Ophthalmic surgery





### M844 F40

Redefining the premium class in ophthalmic surgery

- Sharper image
- Improved light transmission
- Natural colour representation
- Extraordinary depth of focus
- Higher contrast

OP-Microscope

### Rotatable Beamsplitter

For surgical procedures where an assistant is needed or the microscope's configuration has to be changed in-between surgical procedures.



**SORDINA**



# Sterilisation

## Steam sterilisers

### Satisfy every demand

Quick, advantageous and reliable steam steriliser with exceptional ease of use and of absolute safety.

**S66**



**S36**



**A3**



Sterilisation

**A2**

The advanced compact solution





# Programme of Functional Cabinets

MEGAprogress



## MEGAprogress

The innovative MEGAclick accessories system has a strong talent for organisation and ensures neat and tidy work surfaces at all times. With its outstanding design and new colours, MEGAprogress focuses on colourful accents – for increased comfort among patients and your team.



Sterilisation

All MEGAprogress and MEGAdrive products available in the following colours:

	01   ocean blue		09   salmon orange		17   white aluminium
	02   pearl white		10   leaf green		
	03   pure white		11   dove blue		
	04   grey white		12   ultramarine blue		18   raspberry
	05   light grey		13   vanilla yellow		19   lime
	06   platinum grey		14   traffic red		20   granny
	07   light ivory		15   brown red		21   macchiato
	08   pastel yellow		16   grey aluminium		22   espresso

Trendy colours

Cleaning table unit



# Sterile Supply System

CLEANassist

### Packing table

BLANCO CS offers system components for the economical and hygienic supply and disposal of sterile equipment.



Sterilisation



### Shuttle system



## Steam Sterilisers



## Series EC

### High-speed steam sterilisers

The new generation of sterilisers Series EC, high speed is characterised by especially short charge times.



## Series EA

### Large steam sterilisers

All-round-talent for laboratory applications. All variations of sterilisation and cooling in liquid conditions are provided. All necessary measures for gas separation, filtration and condensate treatment are applied.



## FA95

### Low temperature steriliser

Careful sterilisation of temperature-sensitive and narrow-lumen instruments at 60 °C.



Sterilisation



ARGUS



# Infusion Pump

## ARGUS 707 V

### Infusion pump

The ARGUS 707V is suitable for administering large volumes of medication in many different therapeutic fields. The underlying philosophy also makes it intuitive to use, and the large number of possible configurations enable it to meet the needs of the user exactly. The comprehensive safety concept relieves personnel of supervisory duties.



- Flexible application
- Intuitive to use
- Safe in every way
- Easily adaptable to therapeutic requirements



Intensive Care Unit



# Syringe Pumps



## ARGUS 606 S

### Syringe pump

- Ready for immediate use
- Flexible and versatile
- Easily adaptable to therapeutic requirements
- Automatic detection and display of syringe brands and sizes
- Compatible with ARGUSmedDB, the medication database for safe drug pre-settings



Intensive Care Unit





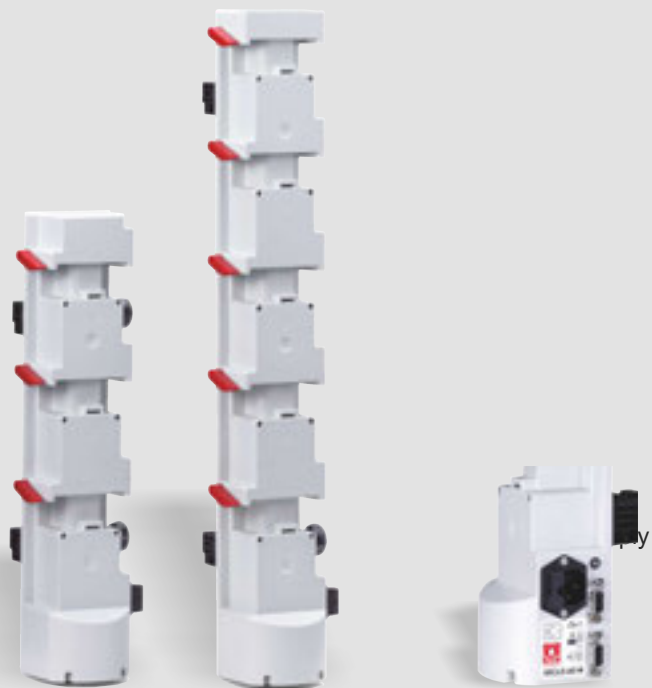
## Docking Station

## Docking Station

### Compatible with ARGUS infusion and syringe pumps

Syringe and infusion pumps can be docked in different combinations and quickly and safely inserted and removed for greater safety and efficiency at the workplace.

Data communication options allow connecting the system to PDMS (patient data management systems).





# Intensive Care Ventilators

Superior technology for precise breathing





sonata



elisa

- Dynamic BiLevel to avoid volutrauma
- Wide range of respiration forms from newborn to adult
- Innovative pre-oxygenation function to reduce oxygenation determined dystelectasis
- Comprehensive security and hygiene concept
- Intuitive operation





# Feeding Pumps

### APPLIX® Vision

Enteral feeding pump for continuous and bolus application.



### APPLIX® Smart

Enteral feeding pump for continuous application.





## Bed-Head Units



### Medilight

The Medilight bed-head unit is perfectly suited for patient rooms and other departments which require suitable lighting, electricity, telecommunications and medical gas outlets at each bed.



### Medicompact

The Medicompact bed-head unit is suitable for use with hospital beds which require access to a number of electrical, telecommunications and medical gas outlets.

modulux pure



IV1054

## Lighting and Supply Unit

### IV1054

The ideal medical supply unit, specially designed for the recovery room and intensive care ward.



### modulux 2008

Indirect illumination, reading and examination lighting as well as installation units for electricity, communications, data and medical gas technology.



Intensive Care Unit

### modulux pure

- Indirect ambient lighting, reading and examination lighting
- Compact design with a vast array of optional enhancements for high voltage, data and communications technology installation modules, as well as couplings for medical gases
- Wide range of possible combinations



**modulux ambient light**

**Efficient LED lighting solutions**

- Decorative lighting accents and indirect room, reading and examination lighting
- Offers plenty of space for all media for treatment
- Electrical installation elements are concealed



# Lighting and Supply Unit





Intensive Care Unit

### **modulux ambient**

**A supply unit combining aesthetics and functionality**

- Indirect room lighting, reading and examination lighting
- Functional, user-friendly and ergonomic aspects as well as real materials in one product
- Electrical installation elements are hidden
- Wide range of possible variations



# Patient and Intensive Care Monitoring

## ARGUS LCM plus

Vital data patient monitor, suitable for intra-hospital transport as well as in the ward.



## ARGUS LCX

Vital data patient monitoring with optional central station for monitoring up to 64 bedside units.



## ARGUS VS-100

Blood pressure and vital signs monitor designed for adults, pediatrics and neonates.





# Phototherapy and Incubator



### ARDO Amelux

The compact and effective phototherapy light system for the treatment of hyperbilirubinemia in premature and newborn babies.



### ARDO Amelie / Amelie star

The development of our new generation of intensive care incubators is based on many years of experience and close cooperation with clinical experts.

- Integrated skin and air temperature control
- Active humidity control
- Integrated oxygen control via display (Amelie star)
- Maximum safety through "SENSOcontrol" monitoring- and regulation system





# Breast Pumps

## ARDO Carum

### The new standard in breast pumps for use in hospitals

Carum is the first breast pump to feature adjustable cycles and vacuum levels in both stimulation and expression modes – adjustments which can be made independently of one another.

## ARDO Calypso

### The gentle breast pump

Gentle and efficient, innovative but easy to operate. With the compact Calypso breast pump for personal use, ARDO sets new standards. Calypso offers outstanding individual flexibility in order to meet mothers' requirements.



Neonatology

## ARDO Calypso-to-go

### The gentle breast pump for complete mobility





# Pediatric Intensive Care Ventilators

Innovative technology for our little patients



## leoni2

### Neonate and child intensive ventilator

- Compact and light weight unit
- Ventilation of premature infants, neonates and children of a lowermost of 30 kg
- two flow sensors available, one for premature infants and neonates and one children's sensor
- Stand alone setting of the inspirational and basic flow
- Easy preparation of the expiration valve



## leoni<sup>plus</sup>

### Suitable for long-term ventilation

- Diaphragm based HFO
- Volume cycled ventilation
- PSV ventilation
- VT trigger adjustment
- 12" colour display
- Removable touch-screen





# Neonatal Warming Systems Open Care

### **Lifetherm 2000**

#### **Heat bed – warming cradle**

Warming cradle with effective thermo-transmission through optimised and focused radiation, precise electronically adjustable desired temperature, display of actual temperature, infinitely variable height adjustment with foot or hand switch, prone position, infinitely adjustable.



### **Lifetherm 2002 / 2003**

#### **Heat bed – reanimation unit**

Two basic versions available with a wide variety of options for optimum adaptation to the intended use and needs of the infant and the operating staff.

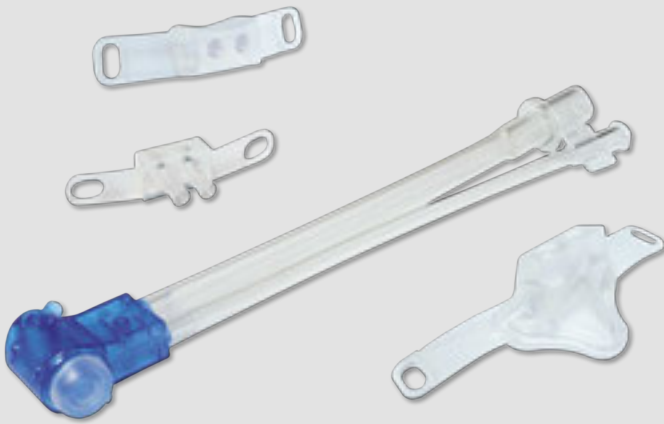




# Pediatric Intensive-Care Ventilators

Innovative technology for our little patients





## NeoJet™

### The nCPAP-system for premature infants

The NeoJet System expands the application range of Heinen and Löwenstein ventilators Leoni 2 and Leoni plus by an optional non-invasive CPAP. When nasal prongs or nasal masks are used, NeoJet works almost non-invasive without reducing the airway holes. Five prong sizes and two different masks can individually be adapted to the little patient. At the ventilator, the required pressure can be directly adjusted, monitored and even kept constant in case of varying leakages.



## Sindi

### Generator for supportive respiration

- nCPAP pressure in analogue curve and digital form
- Oxygen concentration in bargraph and digital form
- Spontaneous breathing frequency in blinking and digital form
- Flexible setting upper and lower alarm for nCPAP pressure
- Integrated service software



# Heat Therapy Lamp

## Isotherm



Neonatology

### Isotherm

The Isotherm heating lamp is specially designed for the warming of infant diaper changing tables and maintaining a baby's body temperature. It is equipped with a ceramic heating element and an integrated halogen examination lamp.

- Infant's skin colour is not altered
- Four power settings (factory settings of 25, 50, 75 and 99 %)
- Heating power can be set as desired depending on ambient and infant body temperature.
- Heating power of the four levels 1-4 can be set individually



## Fetal Monitoring and Vascular Doppler



## Sonicaid BD3002

### Fetal monitoring

- Incorporating multi-crystal, high-sensitivity transducers
- Unique, no-compromise, full-size twin FHR scale printing
- 7-segment LED



## Sonicaid BD4000xs

### Entry level fetal monitoring

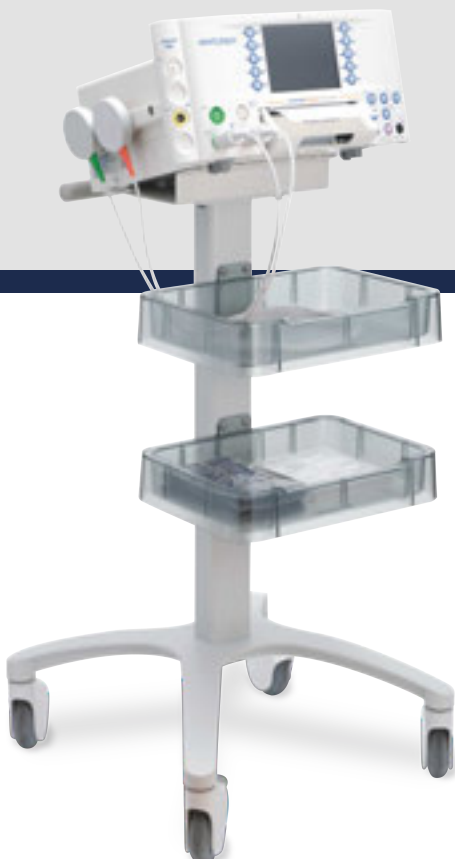
Ideally suited for the antenatal monitoring environment and is upgradeable for twins, intrapartum and interface with vital signs monitors.



## Sonicaid FM800 Encore

### High performance acute fetal / maternal intrapartum monitoring

- High sensitivity transducers
- New "Widebeam" ultrasound technology
- Full colour TFT LCD



## Mini Dopplex D900

- Non-directional doppler
- For ABPI measurements



## Multi Dopplex MD2

- Bi-directional doppler
- Connects with all high sensitivity probes





## Fetal Dopplers



### Sonicaid FD2

#### Rate display doppler

- Probe connector for interchangeable probe options
- Unique fetal heart rate processing modes for optimum performance in the widest range of signal conditions
- Real time fetal heart rate data output
- Event marker for recording fetal movements when connected to the Dopplex Printa



### Sonicaid FD1 / FD3

#### Waterproof rate display dopplers

- Advanced real time auto-correlation fetal heart rate processing
- Active noise reduction for crystal clear fetal heart sounds
- 2 - 3 MHz waterproof transducer suitable for use in a water birthing environment
- Advanced power management with auto switch-off to conserve battery life



### Sonicaid D920 / D930

#### Audio only dopplers

- High sensitivity ultrasound for improved ease of use
- Battery low indicator
- 2 - 3 MHz waterproof transducer suitable for use in a water birthing environment
- Easy clean transducer for improved infection control

### Sonicaid One

#### Rate display doppler with fixed probe

This compact fetal doppler has been designed to fit easily into the clinician's pocket. Its wide beam coverage enables quick location of the fetal heart from early gestation to full term.





Colposcope SOM 52

# Colposcopes



### Colposcope KP 3000

For routine diagnostic purposes, standard and video.



### SOM 52

The colposcope is a vital instrument for successful diagnosis and therapy.



Gynaecology





## Examination Chairs

## MUS4000 IV / MUS4000 V

### Height adjustable examination chairs

The examination chair systems are characterized by an up-to-date and ergonomic design as well as by a compact, space-saving construction. Only high quality materials like polished stainless steel and aluminum are used.





## Pulse Oximeter





### CAPNOX

The CAPNOX is a compact, mobile capnograph with pulse oximeter for ambulances, day-to-day surgeries and clinical environment.



### NANOX10(C)

The NANOX10 Pulse Oximeter features a bright, crisp TFT display. Despite the high quality of this screen, the device works for approximately 40 hours on one set of batteries or as NANOX10C with rechargeable batteries and charger.



### P-OX100L

The P-OX100L is a modern, competitively priced monitoring system. It is a versatile pulse oximeter that delivers quick and accurate measurements of the arterial oxygen saturation and pulse rate. Also available is a version which contains a one channel ECG (P-OX100).



### VITRO

The VITRO Vital Signs Monitor also uses the PEARL pulse oximeter technology and NIBP technology that works well from neonates to adults.



# External Cardiac Pacemakers

## PACE 300

### External multi-programmable triple chamber pacemaker

The PACE 300 is designed for cardiac resynchronisation therapy with one atrial and two independent ventricular channels. The available trigger modes and adjustable interventricular stimulation delay provide a resynchronisation option for both ventricles for different heart diseases.



## PACE 203 H

### External dual chamber pacemaker

The PACE 203 H provides reliable and effective temporary stimulation for arrhythmia and cardiac conduction disorders, bradycardia after cardiac surgery and pacemaker implant or replacement procedures.



## PACE 101 H

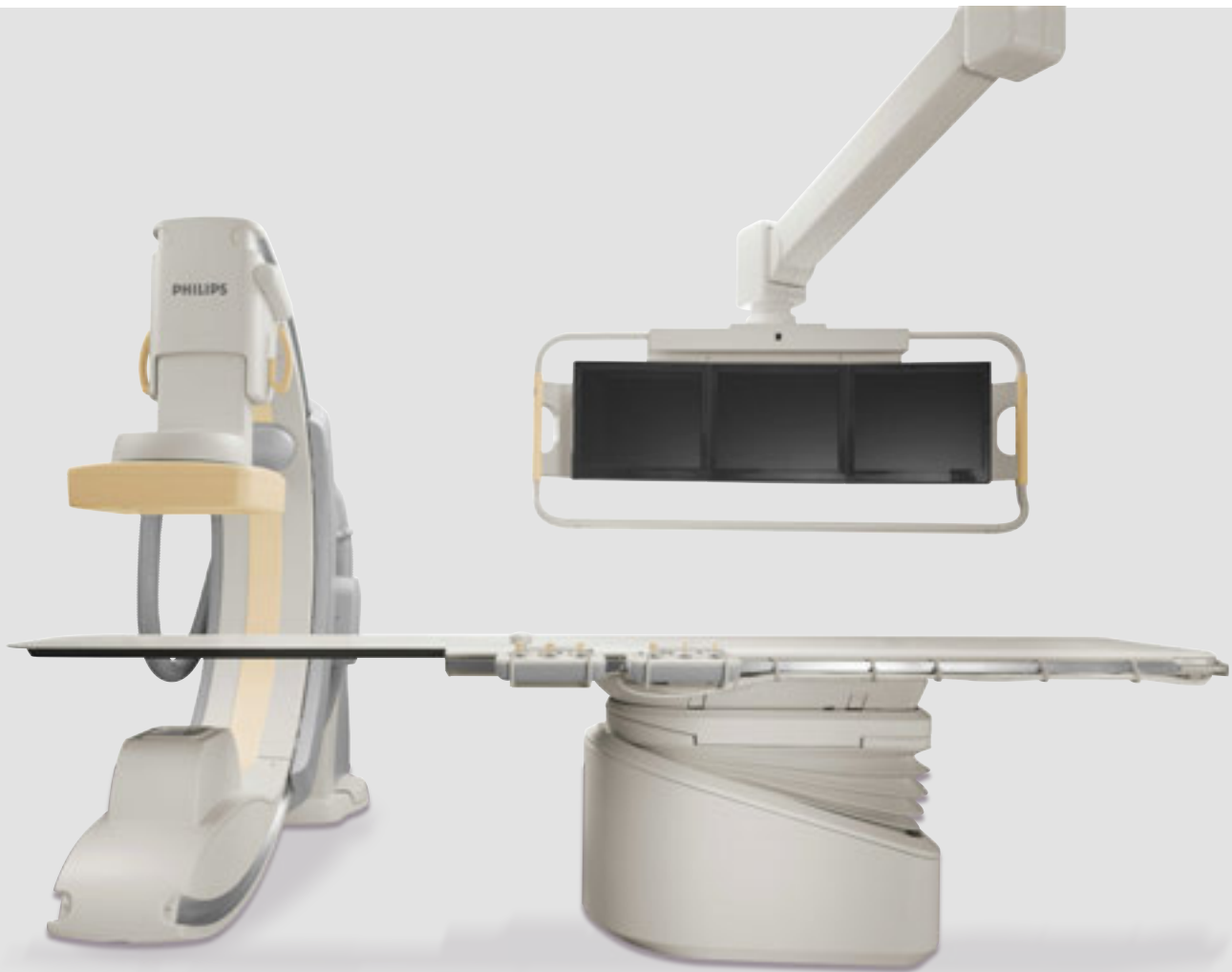
### External single chamber demand pacemaker

Defined by its low weight, its easy use and long durability.



# Interventional Cardiology

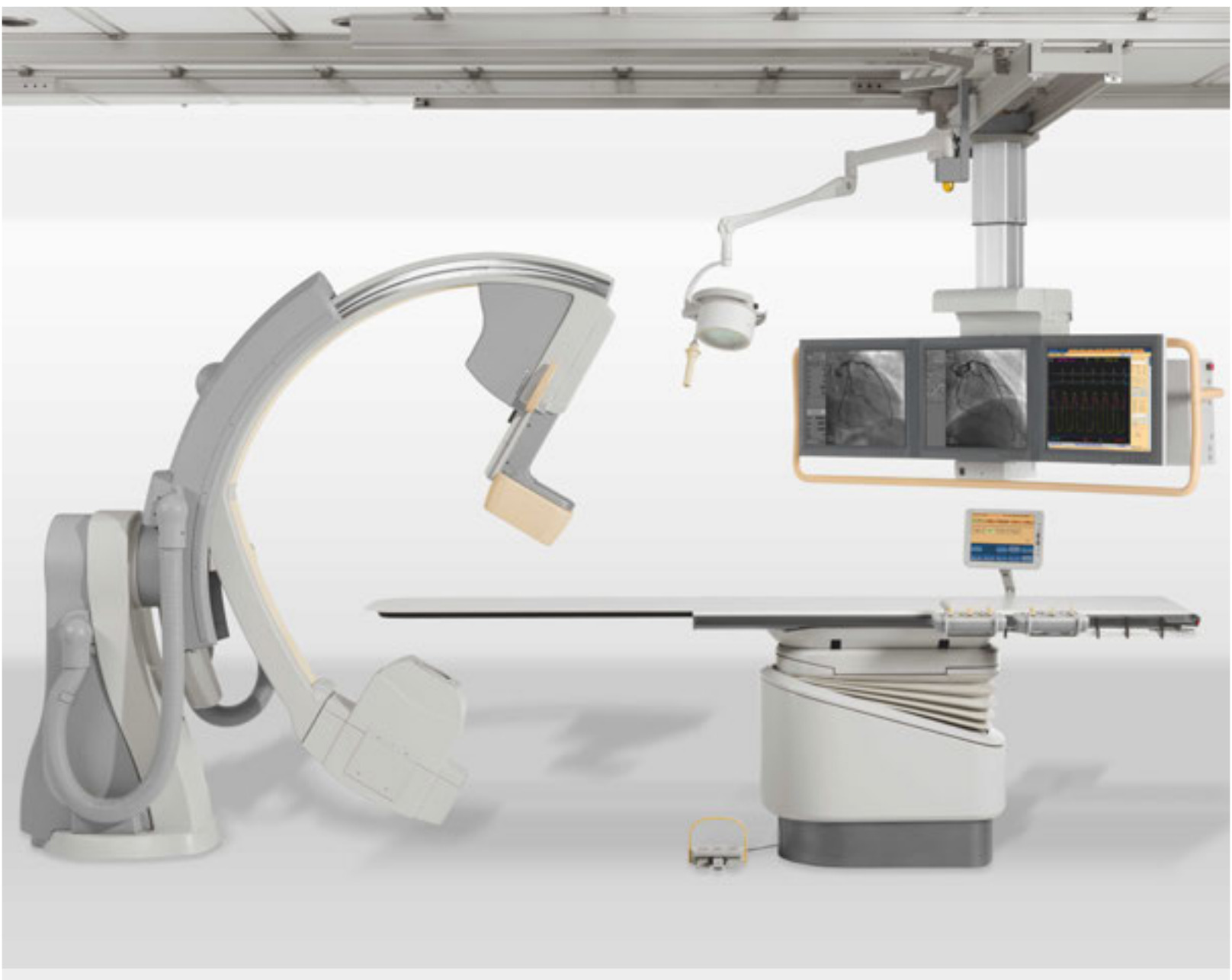




## Allura CV20

The Allura CV20 mixed use X-ray system has the flexibility to deal with a wide range of mainstream diagnostic and interventional procedures in the fields of cardiology, radiology and electrophysiology.

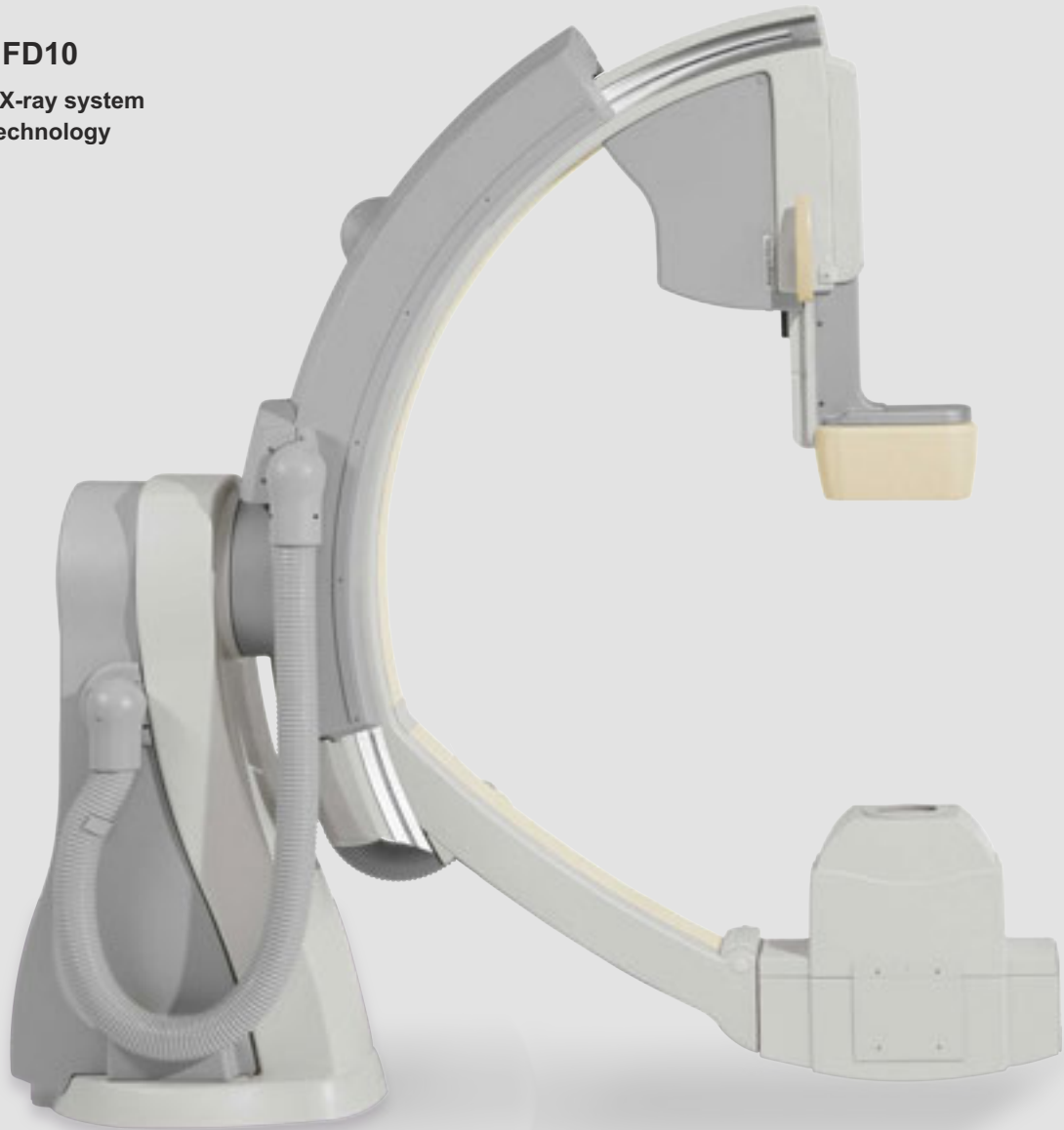
- Fully motorised C-arm
- Compact design enables you to perform steep projections during cardiac procedures
- Diverse vascular procedures with full head-to-toe coverage
- Unique StentBoost visualises stents in the coronary arteries in relation to the vessel lumen in real-time
- 3D visualisation of abdominal and peripheral vessels during endovascular procedures
- Advanced protection for interventional procedures
- Real-time, 3D impressions of complex vascular and coronary arteries
- Powerful MRM-GS X-ray tube
- Key functions are at your fingertips with SyncraTouch tableside controls



# Interventional Cardiology

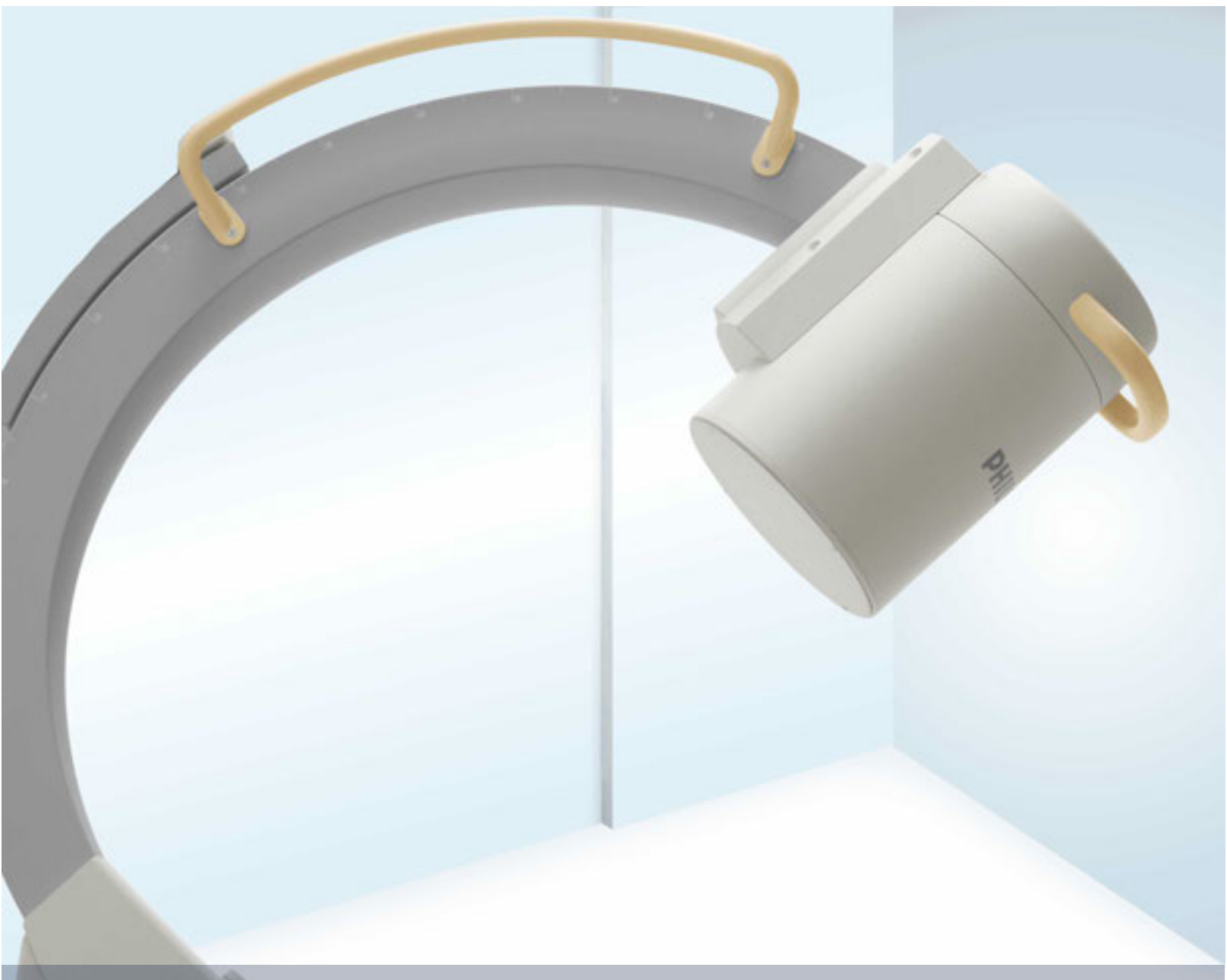
## Allura Xper FD10

Cardiovascular X-ray system  
with the latest technology



Cardiology

- Xper reduces manual tasks and delivers efficient workflow
- Flat detector with Xres increases image contrast and sharpness
- Reduces noise for crisp coronary angiography studies
- Support for challenging cardiac and pediatric examinations
- DoseWise offers low X-ray dose and excellent image quality
- StentBoost and Allura 3D-CA tools support treatment strategies for interventional cardiology procedures
- Advanced protection for interventional procedures
- Real-time, 3D impressions of complex vascular and coronary arteries
- Powerful MRC-GS X-ray tube
- Key functions are at your fingertips with SyncraTouch tableside controls



# Interventional Cardiology

## BV Endura

Mobile C-arm for surgical imaging offers vascular functionality with a wide field of view, optimising workflow.

- Flexible choice between 9" or 12" image intensifier
- Extended rotation for vascular projections
- SmartVision imaging technology
- Ultra-compact MobileView Station
- C-arm rotation up to 135°
- High quality images with low X-ray dose
- Real-time contrast and brightness control
- Powerful MRM-GS X-ray tube
- Comprehensive X-ray dose management



Cardiology

## IntelliVue MP30

**High-performance monitoring at the patient's side and in transit**

IntelliVue MP30 patient monitor provides powerful monitoring capability and essential measurements in a compact package to match the pace and unique needs of intermediate care, ambulatory surgery, post-operative care, special procedures, lower acuity environments and patient transfer.







# Cardiac Defibrillation

## **FRED® easy semi-automatic / automatic / Ethernet / Online**

### **Defibrillator using MULTIPULSE BIOWAVE®**

FRED® easy Online is an AED that is permanently connected to a network, available in semi-automatic or fully automatic mode.



Cardiology

## **FRED® easyport®**

Pocket defibrillator





# Cardiac Defibrillation / Monitoring

### DEFIGARD 4000

This user-friendly defibrillator has been developed for pre-hospital emergencies, and is also perfect for intra-hospital use.

A single button gives access to all major functions:

- Energy selection in manual mode
- Pacemaker
- AED

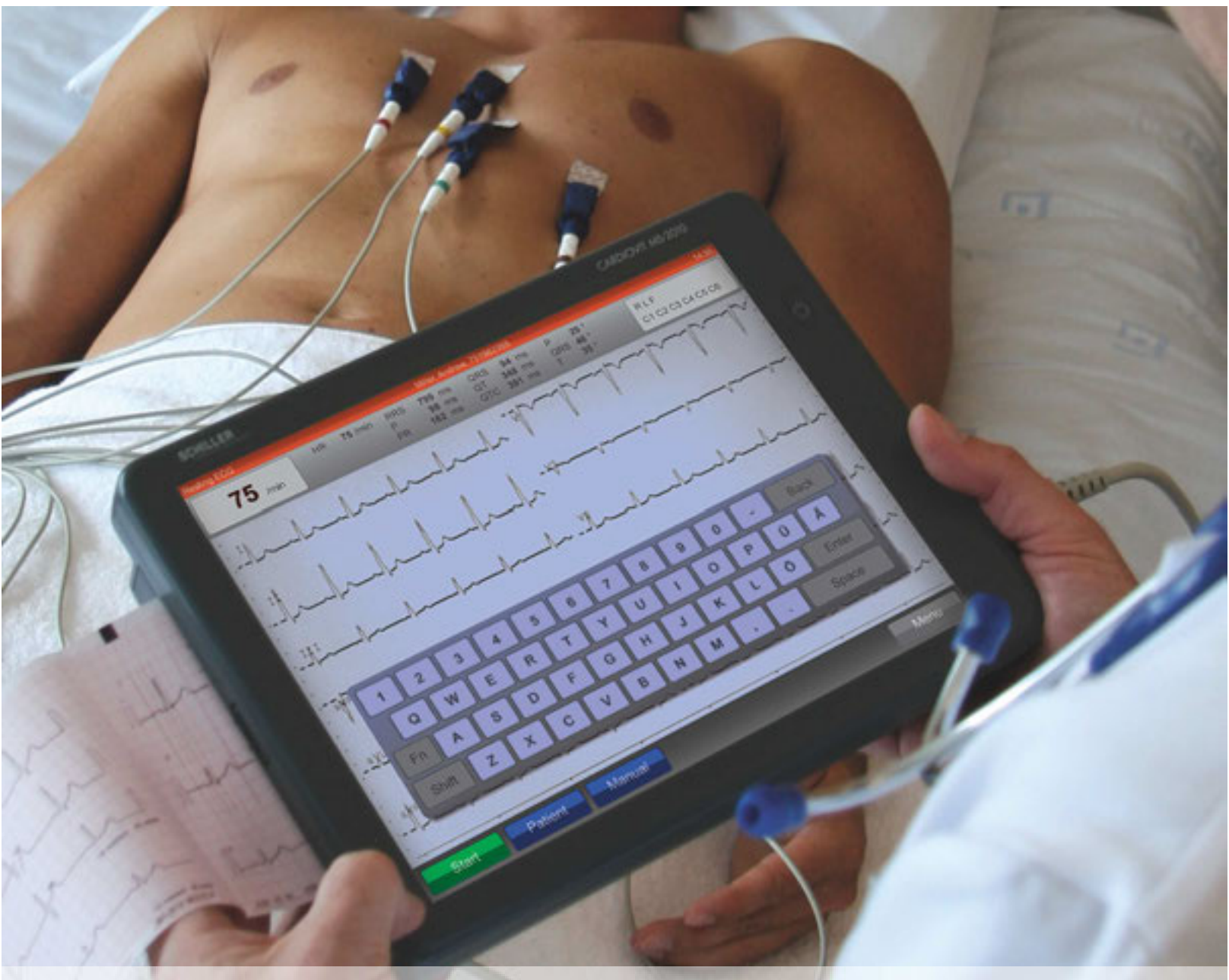


### DEFIGARD 5000

This hospital defibrillator combines the efficacy of a pulsed biphasic defibrillator (MULTIPULSE BIOWAVE®) with precision monitoring on the largest colour screen available on the world market. The colour screen allows the simultaneous display of up to 12 ECG leads.







# Electrocardiography



## CARDIOVIT MS-2015

SCHILLER's MS-2015 is a state-of-the-art electrocardiograph which simplifies diagnostic ECG interpretation and streamlines workflows by delivering high-quality clinical reports.

- 12-lead high-end ECG system
- Large 15" full colour touch screen display
- Instant-on and ECG printout in less than three seconds
- Supports DICOM export

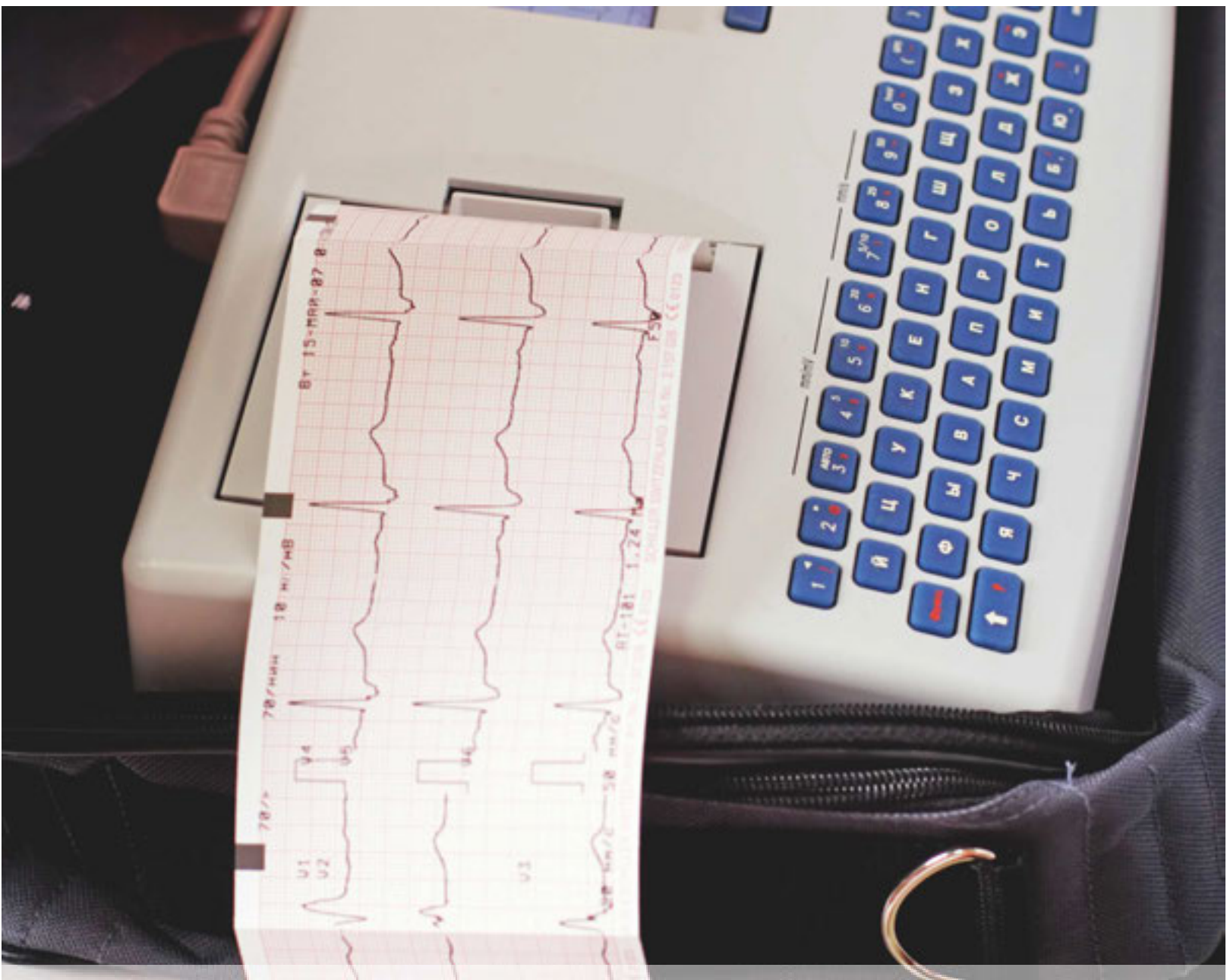


## CARDIOVIT MS-2010

See the new SCHILLER MS-2010 and get a clear sense of the future of cardiography – combining precision and performance with sophisticated ergonomics.

- 10.4" full colour touch display
- Instant-on and ECG printout in less than three seconds
- Amongst the most advanced networking support found in any electrocardiograph
- First high-end electrocardiograph to support DICOM standard





# Electrocardiography

### CARDIOVIT AT-1

Performs quick and accurate 12-lead ECG analysis, in a three-channel format, for the price of one-channel systems.



### CARDIOVIT AT-101

Compact 12-lead ECG is a high-tech device for general practitioners.



### CARDIOVIT AT-2 / AT-2 plus

All features and options are the same as for the AT-1, but with A4 print-out to fit patient charts.



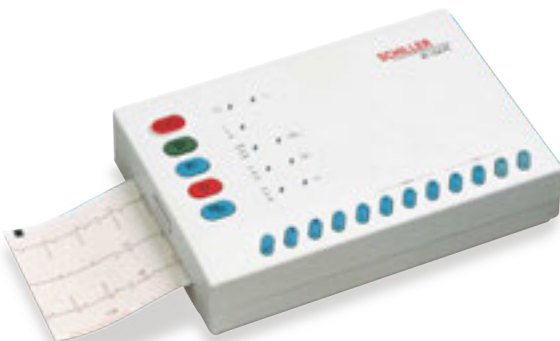
### CARDIOVIT AT-102

The most important cardiopulmonary function tests are combined in a single device: Resting ECG, spirometry for networking with XML output.



### CARDIOVIT AT-104

Also available as a standalone device, equipped with an integrated rechargeable battery.



### CARDIOVIT AT-101 easy

ECG device with integrated defibrillator for mobile use with MULTIPULSE BIOWAVE®.





# Ergospirometry



### SPIROVIT SP-1

The SPIROVIT SP-1 is a unique solution to simplify complex lung function testing. The high resolution screen displays real-time flow / volume loops and detailed measurement matrices. The data can be either printed within seconds or transmitted to a PC.



### PC Spirometry

Our Windows-based program can be used either as a standalone PC spirometry system on a laptop or in combination with the CARDIOVIT AT-104 PC diagnostic system.

### PC ECG Workstation

With the PC ECG workstation you can make full use of the AT-104, not only as an ECG amplifier linked to a PC, but also as an independent three-channel ECG recorder without the need for a PC / laptop (e.g. for home visits and emergencies).







# Ergospirometry / Blood Pressure

### CARDIOVIT CS-200

Multitasking system delivering highly scalable solution. Advanced features such as powerful analysis and diagnostic tools and sophisticated networking help.

### CARDIOVIT CS-200 Excellence

Electrocardiology of the future with intuitive operation, unlimited connectivity and emergency ECG.

- Intuitive operation
- Immediate emergency ECG
- 16 ECG channels



### CARDIOVIT BP-200 plus

#### Stress test blood pressure measurement

Non-invasive stress test blood pressure monitor, designed to automatically measure and display a patient's systolic and diastolic pressures at preset intervals.

- Real time display with wave forms and measurements
- Tabular and trend data
- RS-232 interface for communication with SCHILLER ECG systems (CS-200, CS-200 Excellence, AT-104 PC, AT-110, AT-10 plus)
- USB interface
- Headphones





# Ergospirometry



### CS-200 Ergo-Spiro

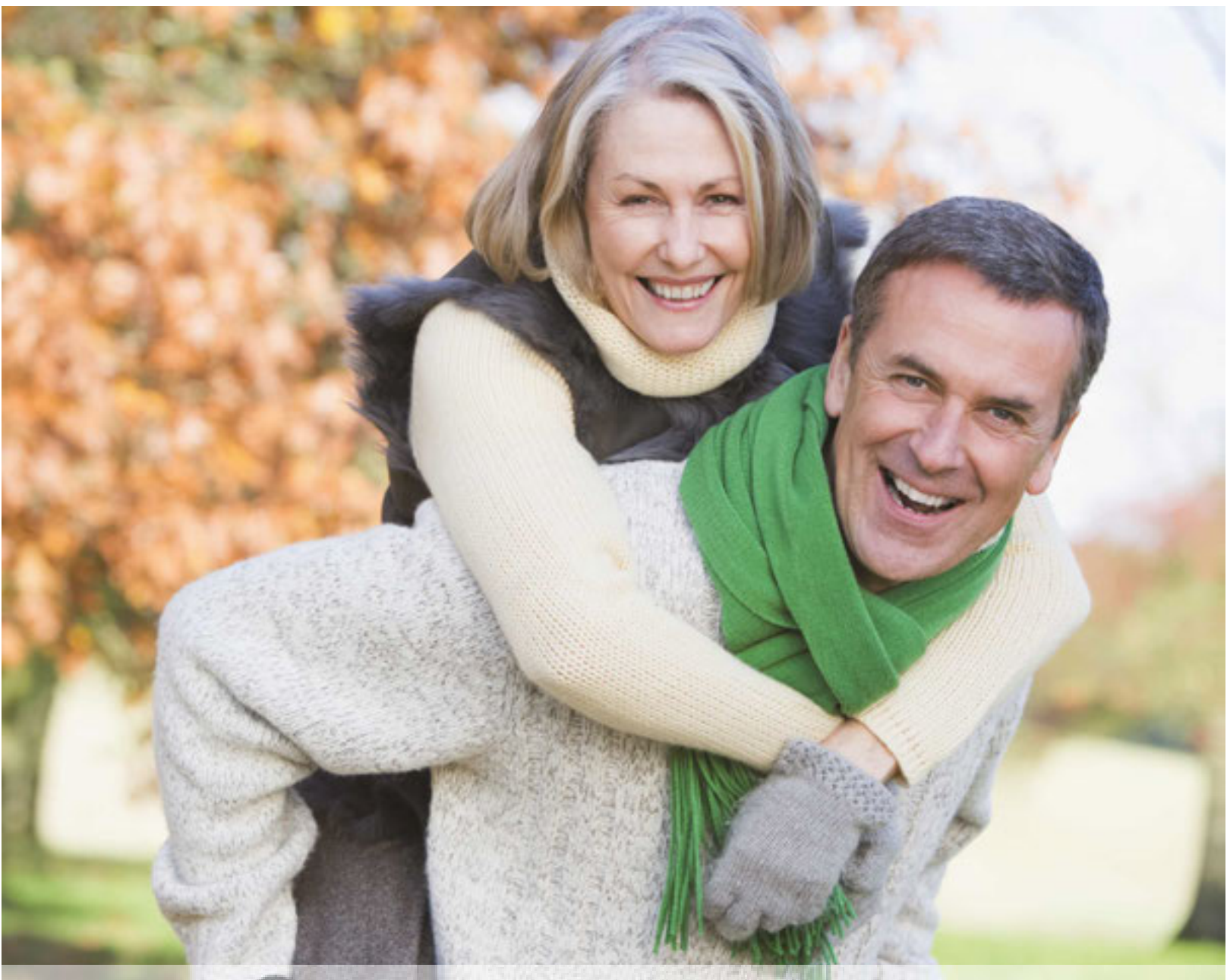
The perfect multifunctional system for cardiology, pneumology, sports medicine and mass screening, as well as rehabilitation.

- Lightweight, absolute humidity insensitive bi-directional sensor
- Quickly responding and highly stable gas analysers for true breath-by-breath measurement
- Free combination of parameters and graphs for individual result protocols
- Flow / volume under load (intra breath)
- Indirect calorimetry (nutrition)

### CARDIOVIT AT-104 PC Ergo-Spiro

The ECG recorder, in conjunction with the power cube gas analysis unit, provides high performance ergo-spiro analysis. This multi-functional diagnostic workstation unifies all major cardiopulmonary functions in a single unit.





# Ergometry

Bicycle ergometers



**ERG 910S Plus**



**ERG 911S Plus**



Cardiology

These bicycle ergometers have been developed as medical ergometers and may be used for stress test, sports medicine, cardiology and rehabilitation.

- Compatible with all SCHILLER exercise ECG workstations
- Large graphic LCD
- Automatic computer control
- Safe and stable for patient weights of up to 150 kg



# Ergometry

Treadmill ergometers

### Intertrack 8100 / 8100TD

The treadmill Intertrack is equipped with a high-efficiency energy saving motor, with low vibration levels and unique dynamic performance, ensuring an extremely long lifespan.

- Integrated RS-232 interface
- For users up to 180 kg
- Expanded running area allowing ideal stimulation of lower limbs
- Auto-tensioning drive system



Cardiology

### MTM-1500 / MTM-1500 med

The treadmill ergometers are designed for stress testing, sports medicine and cardiology.

- Compatible with all SCHILLER exercise ECG recorders
- MTM-1500 med: with potential equalisation transformer for potential isolation
- Automatic computer control
- Emergency-stop-switch, individually adjustable





# Holter ECG and ABPM

## BR-102 plus / MT-300

### Holter blood pressure

The discreet compact BP monitoring unit is distinguished by its small dimensions and low weight.

- Recording over 24 or 48 hours
- Easy menu guidance with two control buttons
- Voice recording
- Examination of adults and children
- Uses MT-300 analysis software



## MT-101 / MT-200

### Holter ECG

The MT-101 is designed for two- or three-channel ECG recordings. The MT-101 with MT-200 software operates in standalone mode as well as integrated into the CS-200, AT-110 and AT-104 PC.



## BP-200 plus

### Stress test blood pressure measurement

Non-invasive stress test blood pressure monitor, automatically measures and displays a patient's systolic and diastolic pressures at preset intervals.



## medilog AR4 plus / AR12 plus / FD5 plus

### Holter ECG

For ECG analysis, also beyond routine diagnostics for the detection of HRV, apnoea, burnout and more.







# Endoscopy Camera Systems

### AC-10

Low-cost entry level model for rigid ENT endoscopy with digital signal processing.

### AC-20

Standard endoscopy camera for rigid ENT endoscopic and laparoscopic procedures with digital signal processing.

### AC-30

Middle-class endoscopy camera for rigid and flexible ENT endoscopy with digital signal processing.



### AC-40HD

Endoscopy camera system with 3,5" LCD device

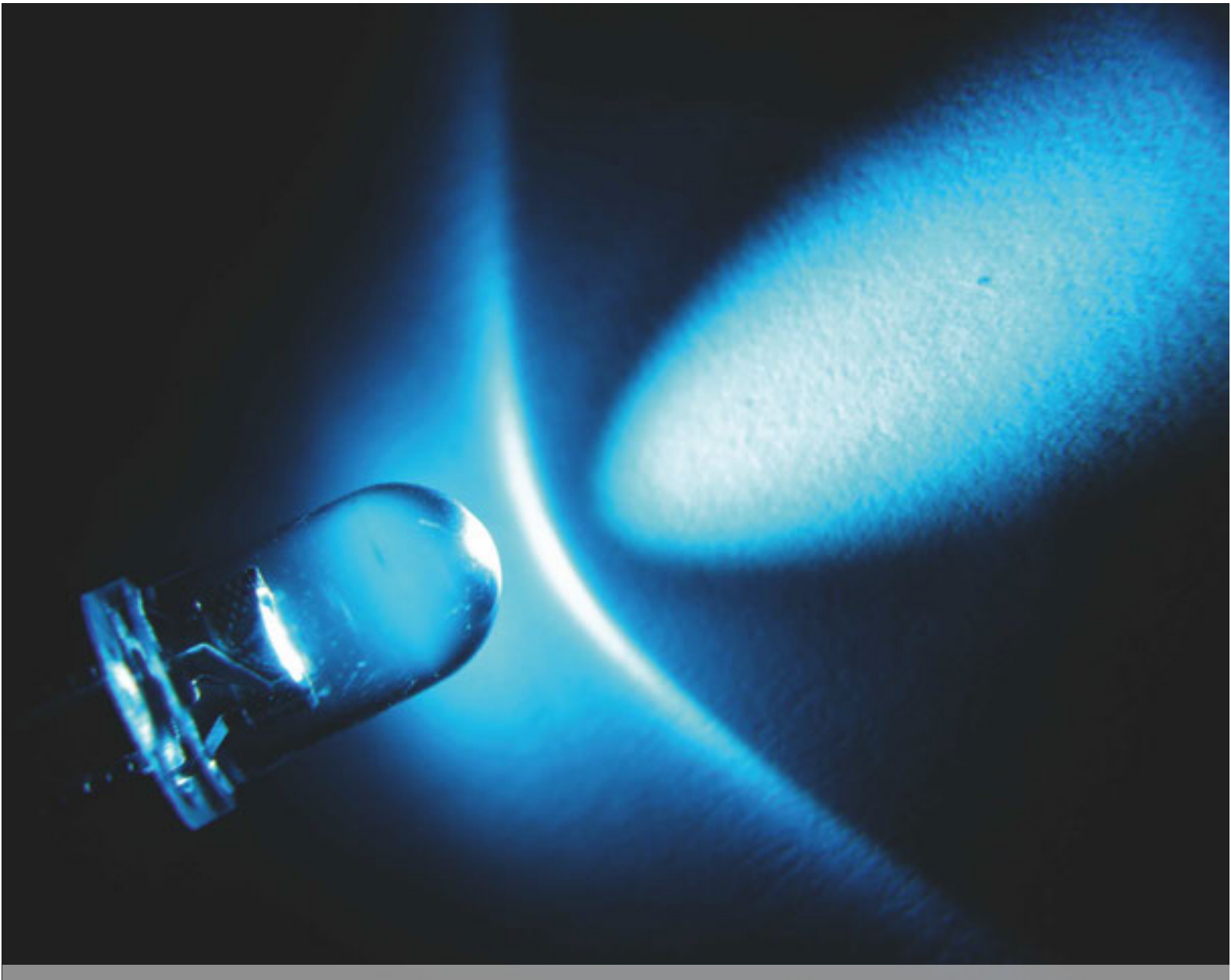
High-end endoscopy camera for rigid / flexible ENT endoscopic and laparoscopic procedures with digital signal processing and integrated video recorder.

ENT

### Endoscopic system accessories

Our ACENDIS product range of rigid and flexible endoscopes offers compact objectives with different angles in viewing directions of 0°, 30°, 70°. Also available: A range of compatible fibre optic cables and flexible camera cables, as well as everything from cleaning brushes to polyp traps.





# Endoscopy Lightsources



### **ALED-500**

#### **LED light source**

Modern LED standard light source, single output.

### **AX-100**

#### **Xenon light source**

High performance light source with XENON light, single output.



### **AH-240-2**

#### **Halogen light source**

Standard light source with two switchable outputs.





Laryngoscope

## Mobile Rhino Laryngoscope

The new German-made fibre-optic nasopharyngoscope compound-lens optical system gives a crystal clear image. The extremely thin entry tube is highly flexible and precise in less accessible regions. The object being examined is illuminated by two light guides.



- Cover lens made of sapphire glass
- Non-corrosive
- Crystal clear image, 18.000 pixels
- Completely sealed
- Working length: 300 mm
- Diameter: 3.6 mm / 3.4 mm / 2.8 mm
- Direction of view: 85°
- Deflection distal end: up 150° / down 150°



# ENT Diagnostic Microscopes



### SDM 60

The SDM 60 is a high-quality and easily-maintained examination microscope that can be used in the operating theatre. It is equipped with a floor stand and has three levels of magnification.

### SOM® 32

Except for ceiling mounting, the SOM® 32 is identical to the SOM® 22. The prerequisite for ceiling mounting is a stable concrete ceiling.



### SOM® 62

There are a variety of different floor stands available for the SOM® 62 depending on its application.



ENT



### SOM® 22

The SOM® 22 is the version for wall installation and for utilisation with ENT units. When used in combination with a column, this version can also be used for mounting on ENT units provided by all leading manufacturers.







# Endoscopy

## Michels Endoscopy

We do not only produce standard devices but also custom-made equipment on special request.



ENT

In a carefully selected range of products you can find:

- Video-Gastrosopes
- Colonoscopes
- Bronchoscopes
- Duodenoscopes
- Laryngoscopes





## Diagnostic and Treatment Units

### BASIC PLUS ENT treatment unit

The BASIC PLUS series is based on an ENT diagnostic and treatment unit, which is available in three different widths. All versions may be used either as a “stand-alone” system, or may be expanded as desired with optional modules (e.g. endoscopy centre, instrument cabinet, desk attachment, plateau etc.).



### SMART ENT treatment unit

The mobile ENT unit SMART has been designed to meet the requirements of the widest range of applications. It may be used for inpatient bed-side treatment, in operating theatres, outpatient clinics and in private practices.

### SIT 4 ENT examination and treatment chair

Use of high-quality materials and clear lines make this examination and treatment chair unique in form and function.





## Diagnosis and Treatment





### VARIO WATER

This caloric stimulator has been manufactured for use in both clinics and GPs practices. The high degree of automation shortens the time consuming aspects of vestibular examination. The rest, count and irrigating periods can be set exactly, or else appropriately adjusted, using the automatic timer and logic system.



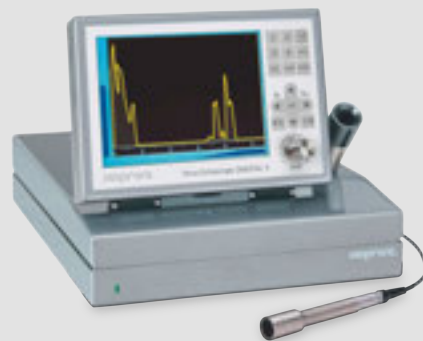
### TYMP

An invaluable middle ear diagnosis by means of tympanometry and stapes reflex measurement is a standard procedure in a modern ENT practice. Otopront's TYMP meets all the technical requirements of an up-to-date middle ear analyzer: It works quickly and reliably and is remarkably easy to handle and care for in routine use.



### AUDIO

The AUDIO is an advanced audiometer which permits the performance of all classical diagnostic tests, such as air conduction, bone conduction and speech audiometry.



### DIGITAL 5

This ultrasound unit is an easy to operate and likewise user-friendly sinus echoscope with maximum sensitivity and noise suppression for diagnoses of the sinuses.



## Instruments and Endoscopy



### VAC 18

The portable suction unit VAC 18 is designed for versatile use in hospitals, practices and home care. The unit operates very quietly and the smooth outer surfaces facilitate ease of cleaning.



### LED head light

The ultra bright and compact LED head light for powerful, co-axial illumination.



### PES 2

The PES 2 represents a new generation of high-performance systems for endoscopic diagnosis. The combination of sophisticated camera technology and digital bit map memory lends innovative support to medical procedures.



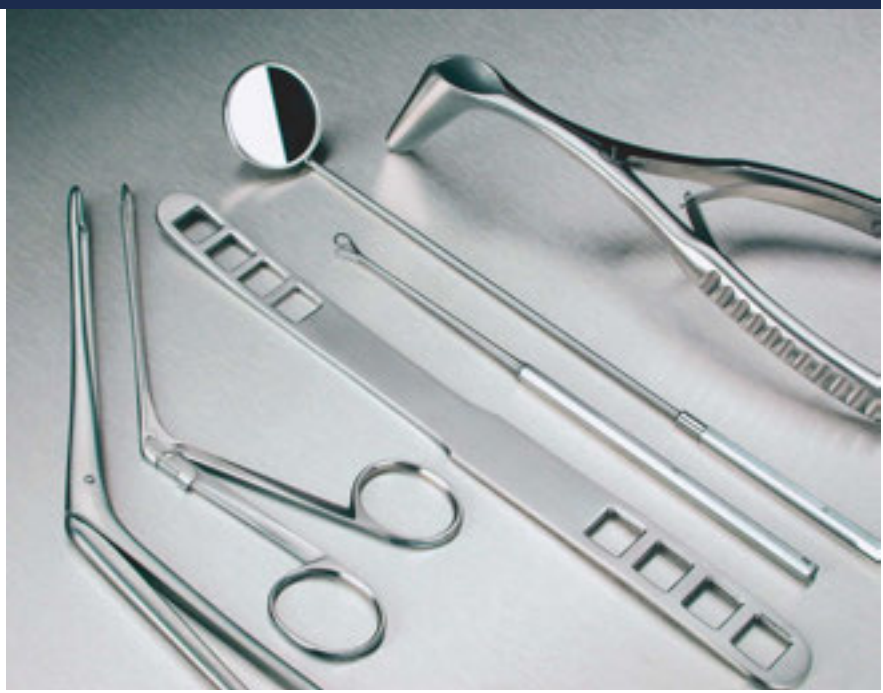
### TE-OAE

As a world first, the Otopront TE-OAE is pioneering in the evaluation of otoacoustic emission measurements results. All measured data are classified according to signal statistic and signal dynamic features. The result is transmitted to an expert system in the form of parameter vectors.

ENT

### Accessories

Small instrument set ENT, economy





# Ophthalmology

Surgery tables and chairs

## 500 XLE comfort

The optimum surgical chair for operating in rotation

- Excellent stability during surgery
- Ergonomic sitting and supine positions
- Soft, fast and direct MEMORY-position access
- Generous legroom for the surgeon and optimum access to the patient's head
- Easy maintainability
- Extra soft padding and cushioning

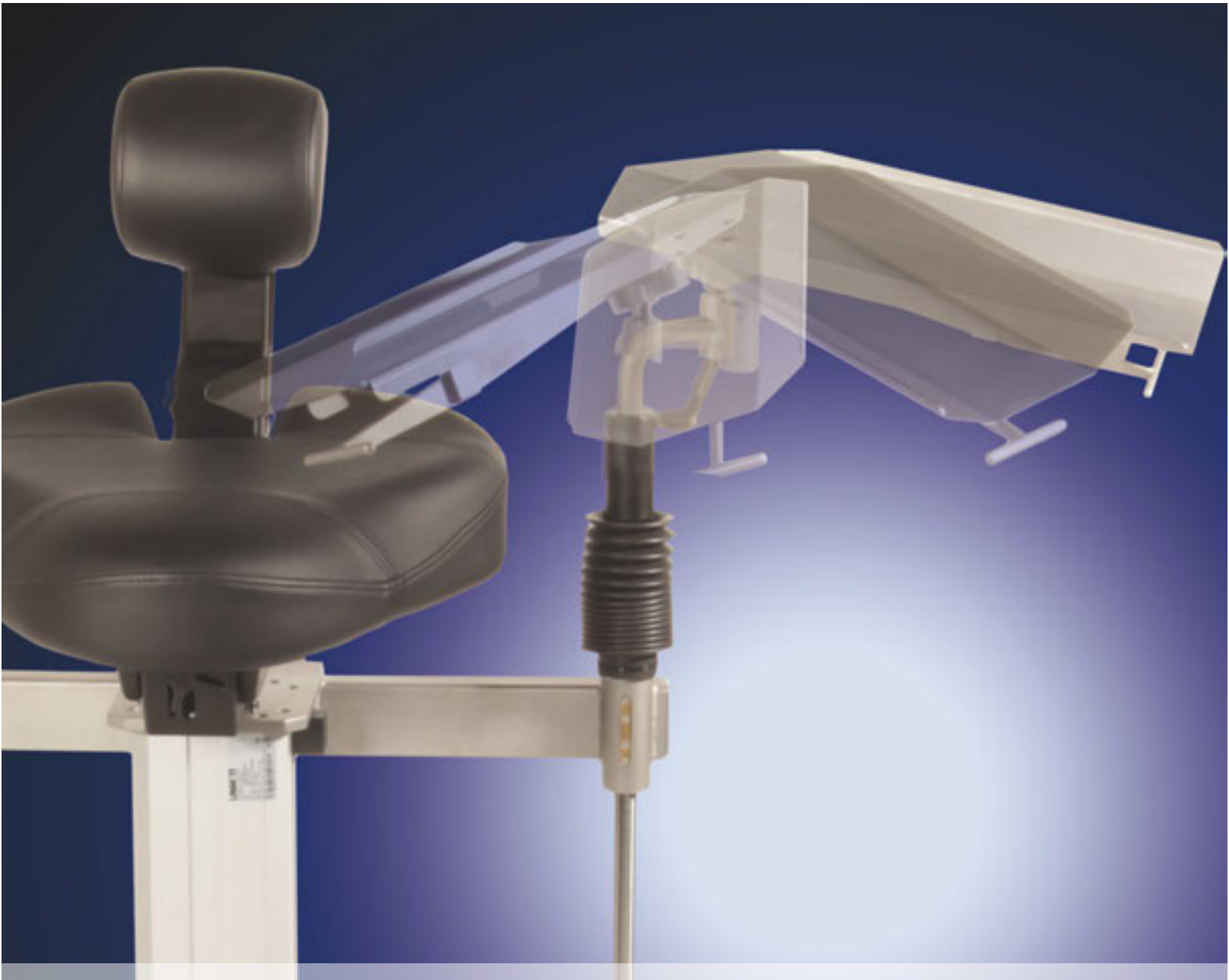


## 600 XLE

State-of-the-art surgical chair with the perfect price / performance ratio

- Sturdy, lightweight aluminum chassis
- Exceptional 360° maneuverability with our unique "Steering Guide"
- Ideal proximity to the patient
- Modern, multifunctional hand control
- Handmade, stainless steel top frame
- Easy access for servicing





# Ophthalmology

Surgery chair

### surgiLine

Harmonises perfectly with your mobile rotation system

- Strong steel frame
- Healthy sitting
- Maintains sterile working conditions
- Easy maintenance and repairs
- Separate battery box



### surgiPro

The ultimate surgeon's chair for microsurgery

- Lightweight aluminum chassis
- Revolutionary support for healthy posture
- Optimum height-adjustment via joystick and foot controls
- Decreases pressure on intervertebral discs
- Relieves tension from spinal ligaments



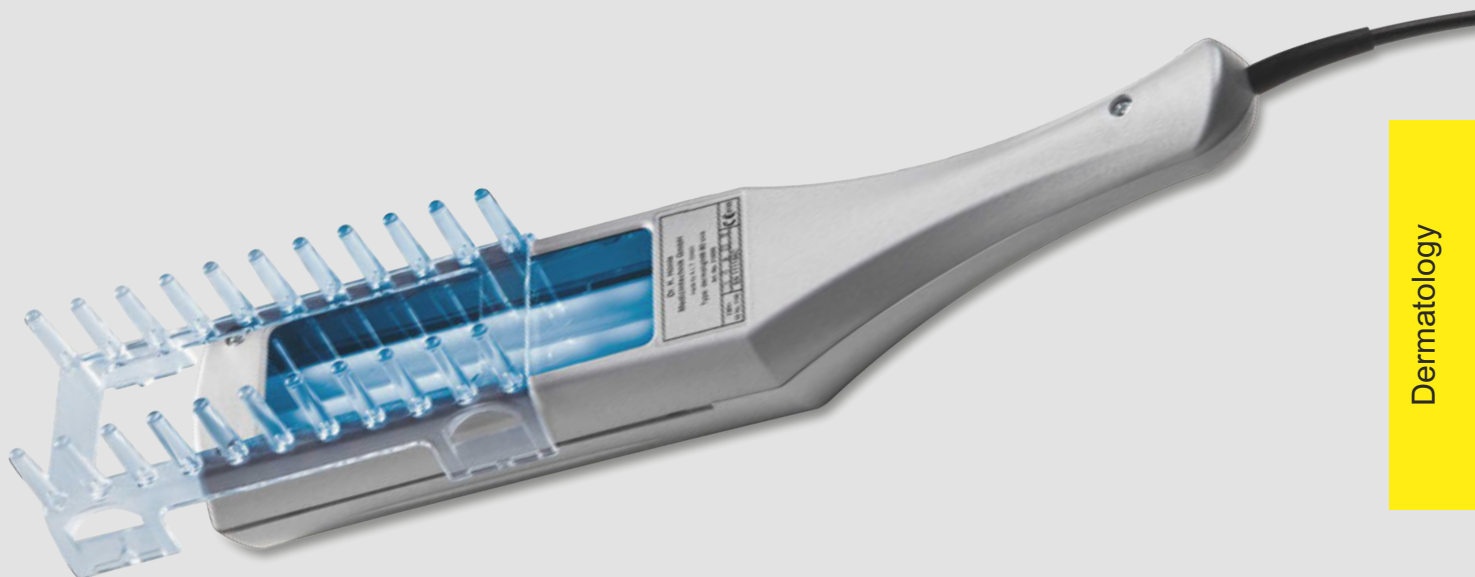


# UV-Therapy

## dermalight® 80

The new UV-comb for effective phototherapy

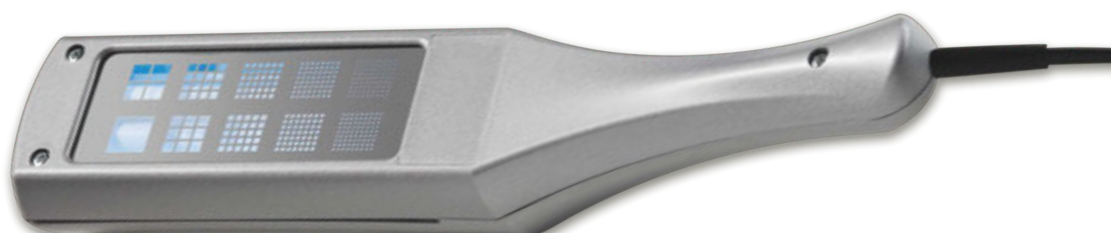
- Light-guiding, rounded comb attachment for a smooth and precise spot treatment of the scalp
- Wide treatment area
- Lightweight and handy construction
- Short treatment time
- Ideal for in-home therapy
- High-quality workmanship



Dermatology

## dermalight® 80 MED and MPD-tester

For the safe disposition of the minimum UV-B erythema dose (MED) or the minimum UV-A phototoxic dose (MPD).





# UV-Therapy





### **dermalight® 3000**

#### **UV-irradiation cabin**

A high-performance and economic therapy system for full-body UV-irradiation with variable lamp equipment which allows a multitude of therapy forms, regarding the different indications. The cabin requires only a minimum of space and fits flexibly into every room.

Dermatology

### **dermalight® 200**

#### **Compact UV-irradiation unit**





## Electrotherapy / Magnetotherapy

### Duoter Plus

The Duoter Plus unit is designed to perform two kinds of treatment. It not only generates the most popular currents, but also laser radiation, when additional probes are being used.



### Etius / Etius U

The Etius unit is a modern and ergonomic unit intended for use in electrotherapy, ultrasound therapy, combined therapy and electrophonophoresis. The unit may also be applied in electrodiagnostics of nervous-muscle system. Also available without ultrasound.



### Magneris

The unit for low-frequency magnetic field therapy. Operation is by means of an innovative, two element plane applicator generating the magnetic field focused precisely between those elements.

This solution permits maximum usage in a treated area with minimum effect on personnel operating the unit and people standing nearby.



### Magner Plus

The Magner Plus unit is a two-channel device designed for magnetotherapy treatment. Both channels are completely independent and they can simultaneously generate different magnetic fields.



### Aries

The Aries unit is designed for the treatment of patients with unipolar and bipolar currents. It offers all of the most frequently used types of currents.





## Ultrasound

### Sonaris

The Sonaris unit is a modern device designed for performing ultrasound therapy treatment. In conjunction with the electrostimulator, combined therapy can be applied.



- Frequencies of operation 1 MHz / 3,5 MHz
- Effective radiation area 1 cm<sup>2</sup> and 4 cm<sup>2</sup>
- Continuous emission – thermal effect
- Pulse emission – micro massage
- Complete control over parameters for advanced users
- Treatment programs

### Sonoter Plus

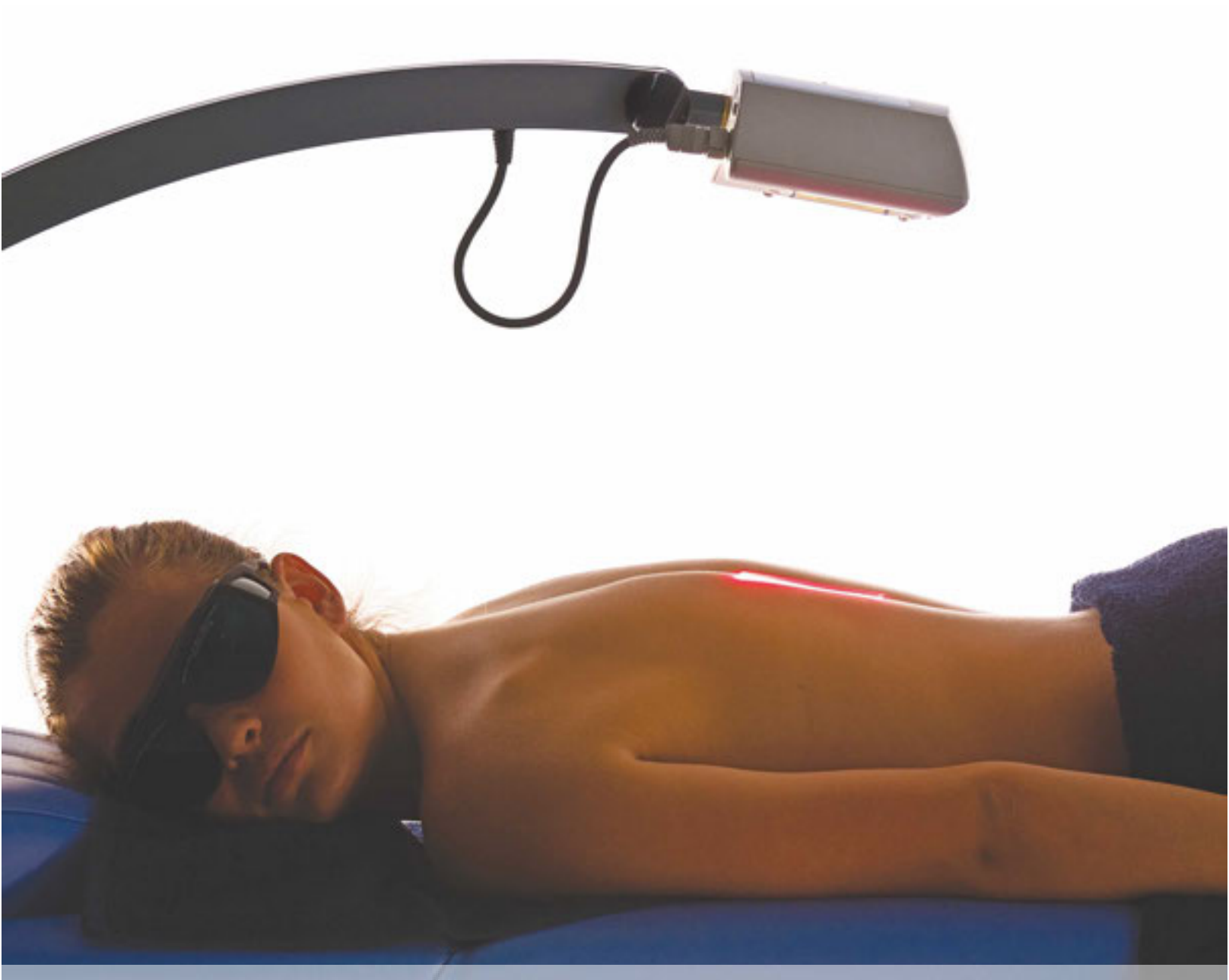
The Sonoter Plus unit is designed for ultrasound therapy with continuous and pulse waves, electrophonophoresis and ionophoresis treatment.



- Ultrasound head 1 MHz / 4 cm<sup>2</sup>
- Focus of the influence of electric field and ultrasound wave in the area of medicine absorption
- Deep penetration – up to 10 cm under the skin
- Transcutaneous application of medicines with the use of direct current
- Detection of a discontinuity in the patient's circuit







## Lasertherapy / Phototherapy

## Polaris 2

The Polaris 2 operates in conjunction with a dedicated scanning applicator. The unit is built to facilitate a wide range of adjustment by means of a moveable arm and head which turns through two rotational axes.

- Continuous and pulse operation mode
- High power of emitters measured on output
- Three ways of plotting the treatment area: elliptically, line and curves within rectangular boundaries
- Two programmes for R and IR laser probes arranged in one treatment sequence



## Lumina

The Lumina unit is the most modern heat lamp designed for infrared irradiation treatment. It is equipped with an electronic time and light intensity controller.

- Infrared light IR-A
- Reduction of muscle tone
- Vasodilation, improvement of blood flow
- Increase of the pain sensitivity threshold
- Improvement of metabolism





# Physiotherapy



## BodyLaser

### BodyLaser – a system with future

Laser therapy using gbo devices achieves a therapeutical effect without chemicals, in a purely biological manner. In addition to the healing power of light, gbo also applies healing methods from the Far East, such as acupuncture and acupressure. The principle of these therapies – which have been in use for millennia – remains unchanged, only the “tool” is different: the meridian points of the human body are stimulated using laser light instead of needles.



## SONOSTAT® 133

### The low-cost starter unit for ultrasonic therapy

The SONOSTAT® 133 with its different frequencies (1 and 3 MHz) and easy handling is the ideal start into ultrasonic therapy. The ultrasound is applied with ergonomically designed and 100 % watertight treatment heads of 2.5 cm<sup>2</sup> or 5 cm<sup>2</sup>.



## SONOSTAT® 135

### Versatile and powerful ultrasonic therapy

The SONOSTAT® 135 with its two frequencies, 1 Mhz and 3 MHz, each of which has a different depth impact, offers a high degree of functionality and operating convenience for universal ultrasonic therapy. The ultrasound is applied to the patient by means of ergonomically designed and 100 % watertight treatment heads with a size of either 2.5 cm<sup>2</sup> or 5 cm<sup>2</sup>.

## HiToP® Bed

### Treatment bed especially designed for treatment with HiToP®-therapy

The newly designed device cart rounds out the usability concept, because each accessory has its defined position. The treatment bed offers many features to render treatment even more comfortable. Patients and health care professionals benefit from functions such as quicker fixing of patient cables and electrodes, heated surface of the bed and the possibility of warming up the electrodes.





### **HiToP® 4 touch**

The innovative and unique device HiToP® 4 touch offers local and holistic therapies for different indications.

With one single touch you can select a therapy from your personal list of favorites. Simply turning the intensity regulator allows a quickstart. The indispensable device offers a modern high-tech design with brushed aluminum surface and a 15" TFT LCD full colour touch-screen monitor.



### **Stereodynator®**

This comfort therapy unit is the new benchmark in electro therapy. The unit works with a three dimensional interference current generated through the super-imposition of three middle frequency currents. It can be used as an electro therapy device, ultrasound therapeutic device and for the combination of electrical stimulus current with ultrasound. The combination therapy combines the analgesic and hyperemic effect of the electrical stimulus and the mechanical and thermal effects of ultrasound.

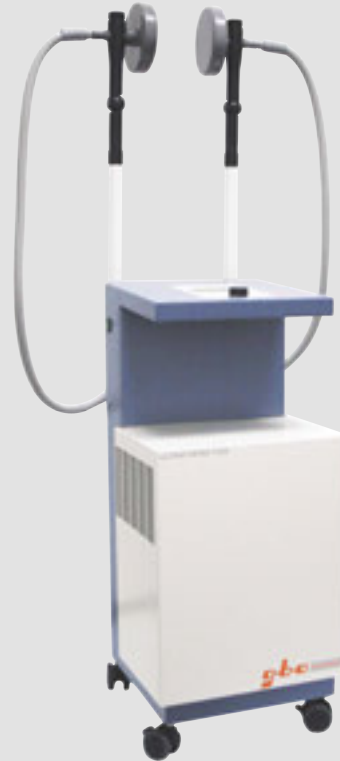
# Physiotherapy





### RADIOTHERM® 1006

The RADIOTHERM® 1006 provides you with a powerful microwave therapy unit with a proven record of reliability in everyday practice over many years. This is why this unit has come to be a standard therapy device for physicians and physio-therapists.



### ULTRATHERM® 1008

The ULTRATHERM® 1008 short-wave therapy unit sets new standards for its class. It still employs the ideal energy source, a high-performance vacuum tube, which allows both capacitor (condensor field) and coil (induction field) techniques to be used.

### TESI® ComfoTrac duo

TESI® benches combine the essential features of massage and traction with thermotherapy and vibrations in the known BMS frequencies.

- Traction system for cervical spine traction with precision-regulated traction power up to 15 kg
- Electric adjustment of the pivot height/angle of the extension
- Special rail with jaw-clamp for the head
- Traction system for lumbar spine traction with precision-regulated traction power of up to 60 kg
- Electric adjustment of the extension pivot height
- Safe and easy handling of the tension cable





# Ultrasound



## HD11 XE

### Complete digital cardiovascular imaging system

The flexible HD11 XE platform enables you to customise your system, with options ranging from stress echo to panoramic imaging and contrast. Experience the clinical advantages of 3D / 4D imaging with broadband beamforming, 3D Fetal Echo STIC, SonoCT, 2D imaging with Inversion Harmonic Imaging, anatomical M-mode, 3D imaging with 4D capability, adaptive colour doppler, and PW and CW doppler as well as specialised functions for breast, transesophageal, pediatric, vascular and musculoskeletal ultrasound.



## HD15 PureWave

### The top of the line ultrasound machine in the HD lineup

The high-performance Philips HD15 ultrasound system features the excellent image reproduction and wealth of functions of high-quality equipment. Superb image rendering ensures correct diagnostics in daily examination procedures. The large LCD flatscreen displays crystal-clear 3D volume images and impressive 4D views, even in the case of difficult applications in the clinical field.



## iU22 xMATRIX

### The premium ultrasound system for general imaging

Unique xMATRIX technology on the X6-1 PureWave transducer harnesses the power of over 9000 active elements, more than 35 times greater than today's conventional transducers, to capture crisp, high-resolution images of even technically challenging patients. It supports the widest range of clinical application capabilities.



## Sparq

### Makes scanning and interpreting quality ultrasound images simple

The Sparq features an intuitive dynamic interface that eliminates knobs and buttons. It produces outstanding images that critical care professionals need to answer clinical questions with confidence. Its innovative ergonomic design and unique touch-based control panel enhances efficiency and makes it easy to perform exams.

It includes a large screen, touch-based control panel, articulating arm with fold-down capability, a sealed, easy-to-clean, tempered glass surface, three transducer connectors with a fast switch capability, and a long battery life.



## Philips CX50 CompactXtreme

### Premium performance for portable studies

The Philips CX50 CompactXtreme system is about the size of a laptop computer and can easily be carried to different locations but can match the performance of a full-size console system. The first ultrasound machine which uses Philips' PureWave technology, which previously was only available on much larger systems, such as the Philips iU22. Now you can get exceptional clarity in a completely portable system.

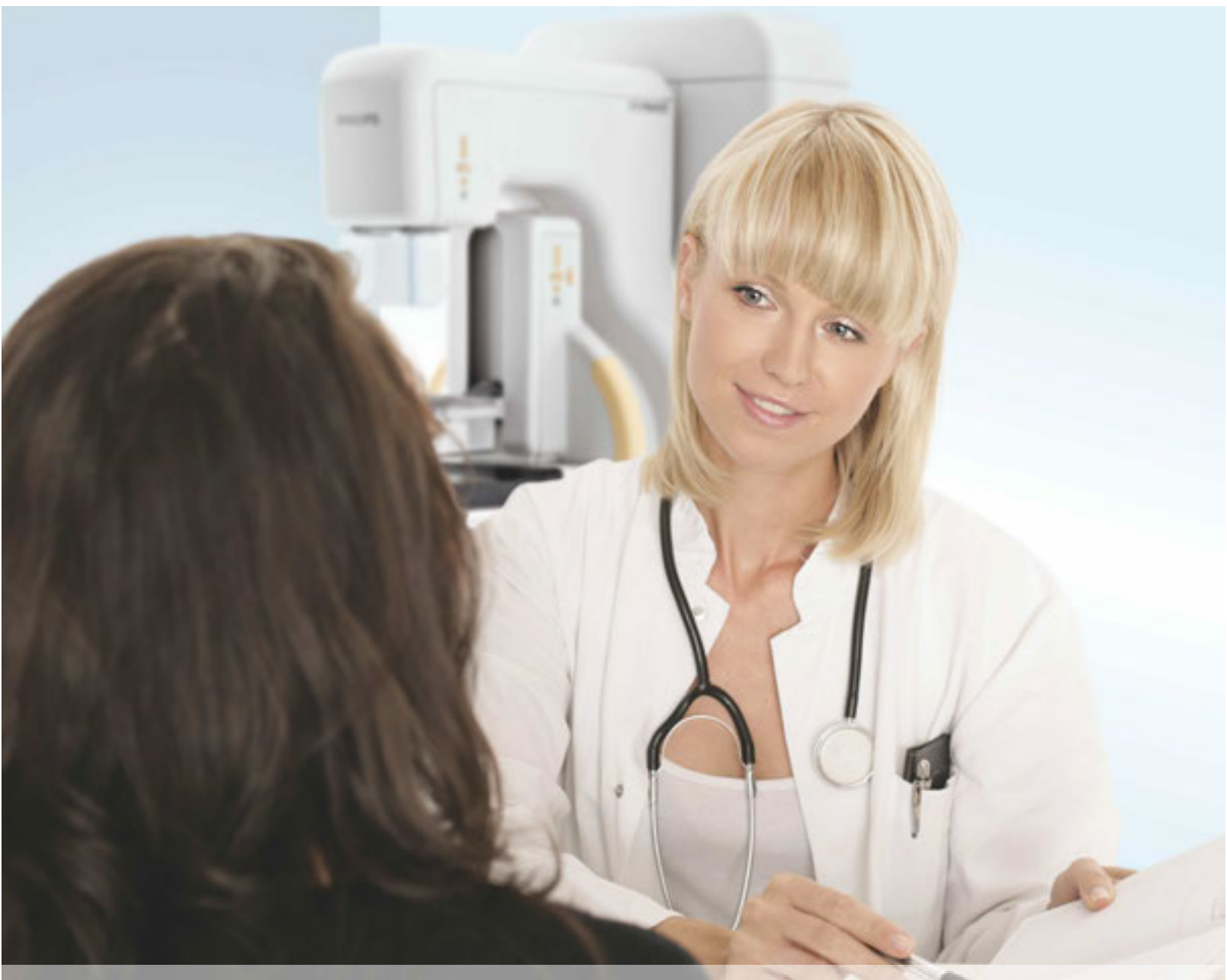
## ClearVue 550

The ClearVue 550 combines intuitive design with superb image quality and performance. Powered by Active Array technology, the ClearVue 550 provides excellent value for your cardiovascular examinations.

- Creates quality 2D, colour, and doppler images
- Lightweight cart for increased portability and maneuverability
- Digital broadband beamforming
- Smart and compact design







# Mammography

## MammoDiagnost DR

An all-round conventional mammography system ready for all applications

- Motorised rotational movements
- Auto-stop positions
- Inverted 180° position
- Quick workflow
- Automatic dose and compression optimisation
- Dual-track X-ray tube ensures the lowest possible dose to suit specific breast characteristics





# Scalp Cooling Treatment



### DigniCap™ scalp cooling system

Prevents or greatly reduces chemotherapy-induced hair loss. Developed to provide continuous and controlled scalp cooling with high efficiency, safety and acceptable patient comfort.



- Ergonomic design
- Low maintenance
- Touch-screen with symbol based interface
- Temperature and safety sensors
- Requires minimal supervision and workload of the medical staff
- Treat two patients simultaneously and independently

Oncology







## MR Products





### **Achieva 1.5T A-series**

**A high-performance MRI for ease of use that delivers fast, high-quality diagnostic results**

- SmartExam – one click for consistent and reproducible MR scans
- 4D-angio's (time resolved) with 4D-TRAK and SENSE parallel imaging
- A full range of high-channel SENSE coils for high resolution and maximum speed
- New contrast in oncology applications with DWIBS whole body diffusion
- Advanced 3D cardiac-, neuro-, breast- and spectro-imaging
- Offers a high RF duty cycle through its optimised design



### **MAGLIFE light**

Safe day-to-day monitoring of MRI patients, MAGLIFE light is compatible with MRI equipment up to 3 tesla and will meet all your monitoring needs. Its sensors are suitable for all types of patient – adults, children, infants and neonates.

### **MAGLIFE Serenity**

The new MAGLIFE Serenity guarantees the highest ECG quality during magnetic resonance imaging (MRI) scanning – even under the strongest gradient influence. It monitors all vital parameters during anaesthesia in a MRI environment.



# MR Products



## leon<sup>mri</sup>

Both the power spectrum and the operation of the leon mri, match exactly, without any restrictions, to those of the already well-established leon. A further major logistical advantage can be found in the compatibility of the compact circuit system with the leon plus, leon and leon mri systems. The position to MRI device is monitored by an integrated magnetic-field strength monitor.



### **Model 7500FO**

#### **Fibre optic tabletop pulse oximeter**

NONIN's 7500FO (fibre optic) tabletop pulse oximeter was specifically developed for use in fixed-site or mobile MR facilities for monitoring infant, pediatric and adult patients. With simple toe or finger wrap sensor application, the 7500FO's compact design, simple functionality, minimum 30-hour battery life, 4-hour quick recharge and minimum 70 hours of memory makes it well suited for MR applications.

## MR Products



### **CAREvent® MRI**

The CAREvent® MRI automatic transport ventilator is a lightweight, portable, durable and simple to use, control module style, automatic time / volume cycled device. It is completely pneumatic (no batteries required) and delivers breath by breath consistency in delivered tidal volume, frequency, inspiratory / expiratory times and flow rates. This consistency is not achievable with a bag-valve-mask resuscitator and prevents gastric inflation and high intrathoracic pressure.





# MR Products

### **Diamond Fibrelight MR laryngoscope**

A laryngoscope for the MR environment with a conventional handle, four interchangeable blades and a special MR battery. A xenon lamp is mounted in the handle for quick and easy exchange. Excellent fibreoptics offer cool, bright light and transillumination.



### IV Pole MRI

The MRI-capable IV stand is compatible with equipment up to 3 tesla. It is equipped with four plastic hooks with a capacity of 2 kg for each hook. Screw safety height-adjustment and easy-to-move twin castors (50 mm).



## MR Products



### **Sphygmomanometer Kobold**

- Non-magnetic for NMR rooms
- Precision manometer with protective ring
- Improved one-tube technology
- With a screw valve for sensitive adjustment
- Housing anodised aluminium
- Diameter of scale: 48 mm



**AGA stainless steel table**

These light magnetic universal tables are intended for use as patient transport tables in the field of MRI. They are equipped with smooth running castors. One set consists of four multi-directional locking castors. The headrest is infinitely adjustable up to +30°. The attached side bars are turnable.



# MR Products



### TL 500 S

Non-magnetic transport gurney, made of high quality plastic and stainless steel components, deck made of sturdy, plastic-coated fabric, up-down side rails for patient transfer and safety during transport, four swivel, all locking castors.



### TC 450

Transfer chair with plain soft-seat, soft armrests, soft backrest made of PU foam, stainless / plastic castors, two swing-out armrests, slide-out footrest and push handles.



### IH MRT

A MRI compatible IV stand, with two pump holder pins.



### DR 100 MRT

Sturdy wheelchair, MRI compatible, frame made of special synthetic resin material; swing-out armrests for easy patient transfer as well as slide-out footrest are standard, seat and backrest made of PU foam.





# Examination Lights

### Mobile examination lamp Series 5

The mobile examination lamp Series 5 with the highest energy efficiency points out approx. 65.000 lux luminous power and approx. 30 Watt energy consumption. The adjustable 4-step-dimmer guarantees excellent visibility whether as a mobile lamp, ceiling lamp, for a wall rail or a wall lamp.



### Mobile examination light “Model ACENDIS”

This mobile examination lamp with its modern and attractive design has a large grip that ensures easy and safe positioning of the lamp's head.





# Air Nebuliser



## Ultrasonic nebuliser



### Features and benefits:

- Adjustable timer function: 0, 15, 30, 45 and 60 minutes
- Air blower with 4 different settings
- Nebuliser function with 4 different settings
- Different air channels for patient and device cooling

### Four integrated alarm features:

- No nebuliser chamber attached
- Low liquid / empty chamber alarm
- Medication time completed
- Device failure

Compatible with all commercially available sterile water systems.







## IV-Poles

### Normal Station

Mobile infusion stand for general use in patient wards, emergency rooms, patient rooms and surgery theatres.



### Premium Care

The complete unit is made of rust-free materials, with a seamless welded caster-base, hygiene-friendly due to easy cleaning.



### Premium Care Plus

Highly robust, with stainless-steel, screw height adjustment with a soft-drop system that prevents a sudden sinking.





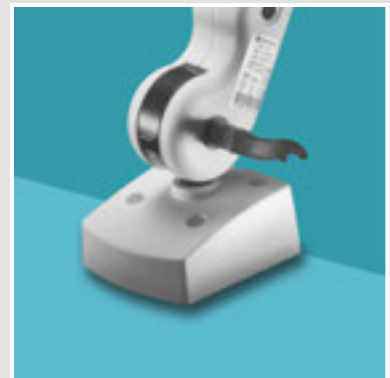
# Magnifier Lamp

D<sup>med</sup>® opticlux

### Dmed<sup>®</sup> opticlux

Very bright medical magnifier lamp for examination and laboratory.

- Spring-balanced articulated-arm system
- Ultra-modern lamp technology
- Interchangeable optical system
- Easy to clean and easy to care for



Ward







# Examination Light

D<sup>med</sup>® oculux

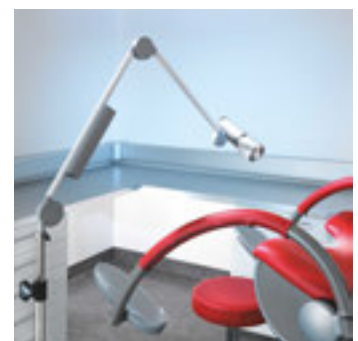




### D<sup>med</sup>® oculux

With state-of-the-art technology and advanced luminous sources, the D<sup>med</sup>® oculux guarantees the best possible results.

- Five light dimming levels
- Colour rendering Ra > 93
- Adjustable colour temperatures
- Continuously adjustable light field size
- Control unit on head
- Minimal maintenance costs and high energy efficiency
- Heat radiates towards the rear of the unit
- Arm system with friction joint for safe and easy positioning





# Examination Light

D<sup>med</sup>® hx



## Dmed® hx

An additional luminaire provides the luminosity necessary for examination and diagnosis. Halogen technology guarantees a high illumination level for clear lighting of the examination field.

### At a glance

- Halogen technology
- 32.000 Lux (spot) or 6.000 Lux (flood) / 0.5 m
- High energy efficiency and luminosity
- Double-walled housing for minimal heat generation
- Suitable for different fixture types

### Examples of use

- Intensive care units
- Patient rooms





# Examination Light

D<sup>med</sup>® halux





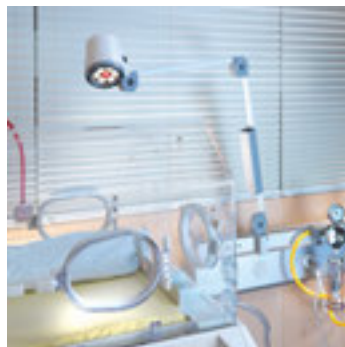
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### **Dmed® halux**

#### **Light for examination and reading**

Light is versatile and essential requirement in modern medicine. Medical staff, nursing staff and patients place stringent demands on us.

Also available with LED technology with five dimming levels and three adjustable colour temperatures.







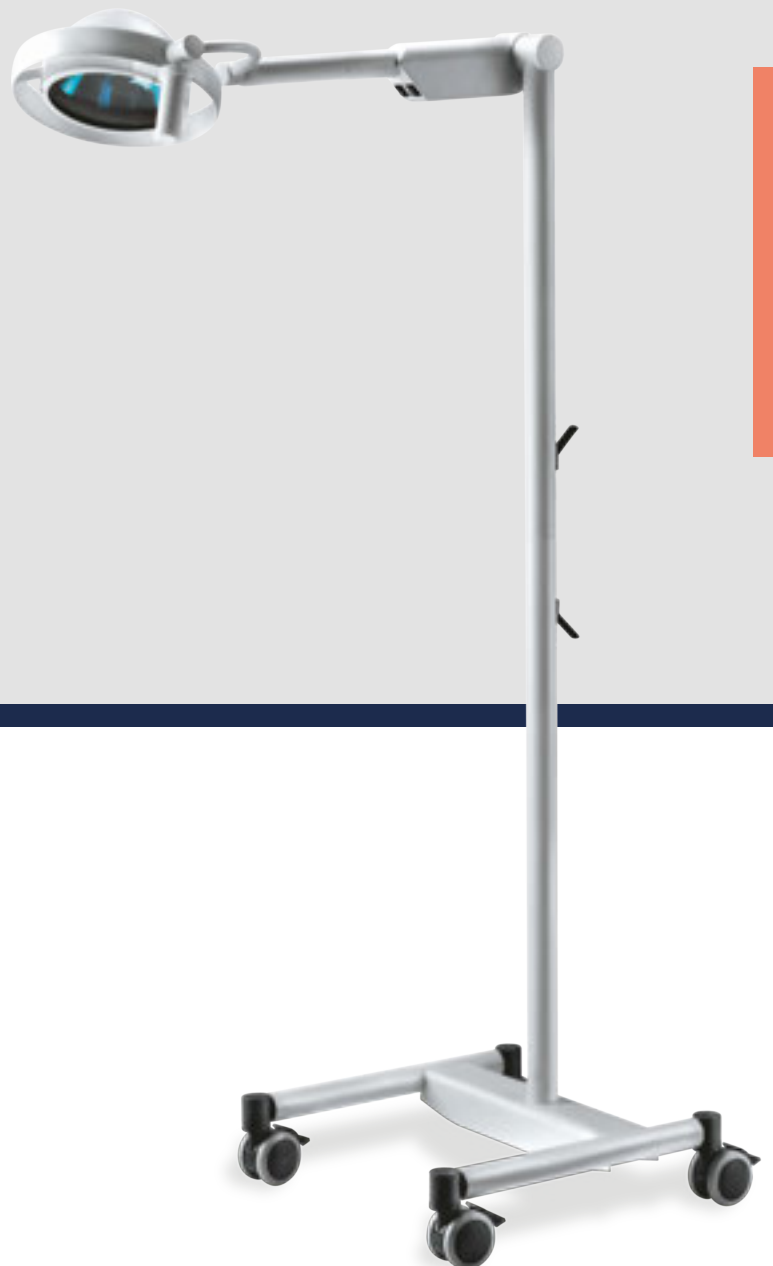
# Examination Light

D<sup>med</sup>® isis



### Dmed® isis / Dmed® isis duo

- Halogen technology
- 2 x 42,000 lux / 3.4 ft (1 m)
- Light field 2 x 6" (150 mm)
- Accurate colour rendering Ra. 95, R9 > 90
- Colour temperature of 4300 K
- Two dimming levels (60 % / 100 %)
- Heat radiates towards the rear of the unit, away from the patients glare and shadow-free
- Handle removable for sterilising
- Energy-efficient with 2 x 65 W power consumption



Ward



# Treatment Light

D<sup>med</sup>® saturn



### **Dmed® saturn**

Depending on the type of treatment, adjustable colour temperatures, different dimming levels as well as a strong, adaptable arm, are invaluable instruments.

### **Dmed® saturn LED**

The Dmed® saturn LED provides variable lighting and excellent light quality: A light for a wide variety of treatments.





# Treatment Light

D<sup>med</sup>® triango





### Dmed® triango

The universal treatment light D<sup>med</sup>® triango provides the best lighting conditions for nursing staff and practitioners alike. Illumination, light colour and colour rendering are optimally adapted for the work in the medical sector.

Lighting outputs up to 55,000 lux / 1 m combined with excellent light quality and almost no heat radiation. Made for an ideal working environment.



Ward



# Reading Lights

D<sup>care</sup>® amalia

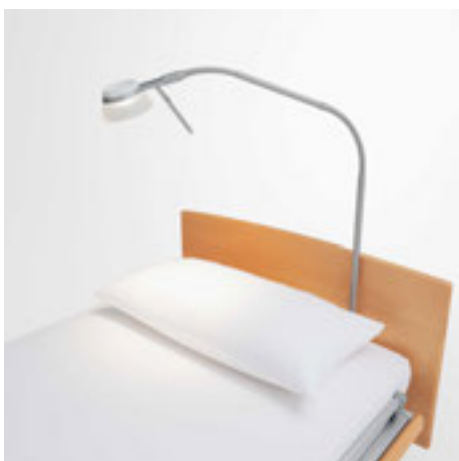


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### D<sup>care</sup>® amalia

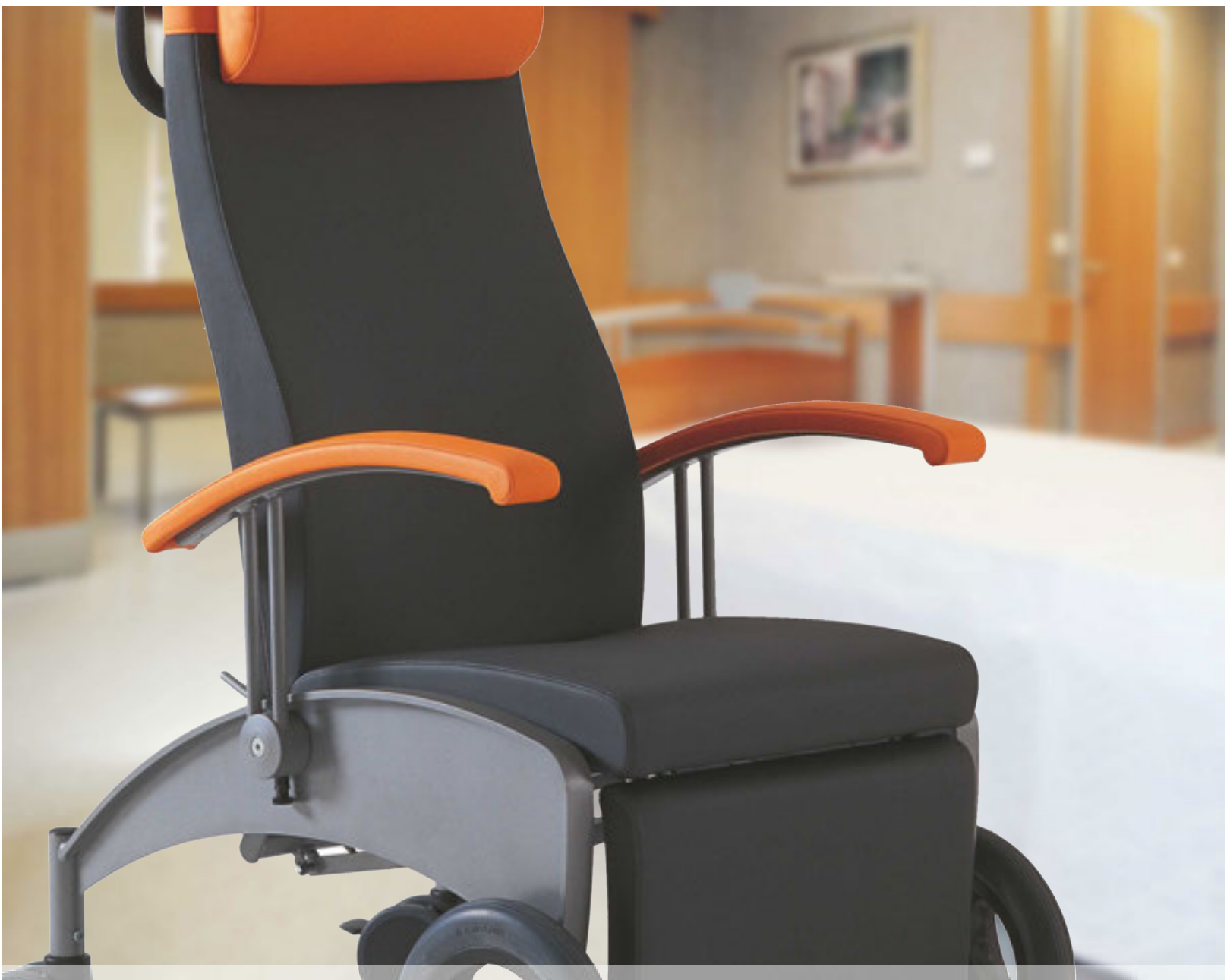
The new D<sup>care</sup>® amalia's excellent lighting efficiency and the perfect design of its form make it a winner. This unique care and reading light ensures optimum lighting conditions for reading and the best lighting for caring.

Three LEDs reaching an illumination of 1,000 lux / 0,5 m provide for an exceptionally high light intensity. The amber-coloured LED night light can also be operated by sensor.



Night lamp (LED)





# Transport Loungers

The Original – carryLine

## carryLine

This transport lounger is highly recommended for patient transportation.

- Mobile lounger
- Patient transport lounger
- Variation lounger
- Lounger for EEG and rest



Ward







# Modular Lounger Systems

multiLine

### multiLine

This modular lounge system not only permits cleaning in accordance with hospital hygiene standards, but is also easy and safe in operation. The mechanical parts are completely encapsulated in the covering elements.



Ward





# Relax Chairs

relax / recrea

### relax

The relax armchair cares for comfort. The combination of easy care surfaces and beech wood creates a pleasant room atmosphere. The relax chairs can be chosen as a standard model as well as a mobile model with castors.



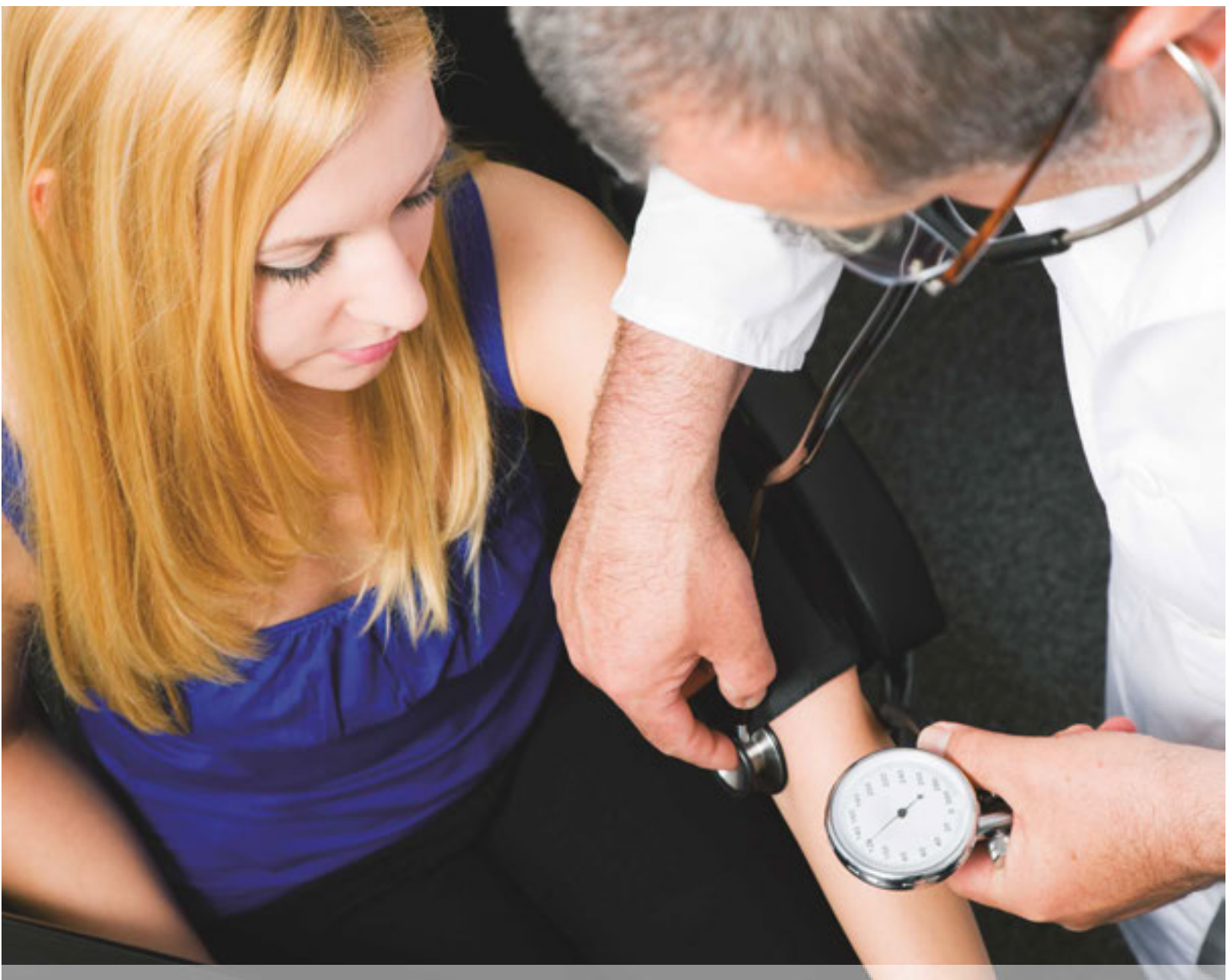
Ward

### recrea

The armchair is especially appropriate for day care because the inclination of the cushion serves as vitalization and relaxation.







# Combination and Variation Loungers

sita



## sita

- Mobile lounger
- Patient transport lounger
- Variation lounger
- Lounger for blood tests, ultrasonic or drip therapy



Standard model with additional arm rest



Mobile version with castors and push bar

Ward





# Functionally Trolleys

keo®



**Dressing and treatment trolley**



**Anaesthetic trolley**



**ISO module trolley**

### keo®

Mobile, flexible and fully fashion designed – the ergonomic keo® functional trolleys for ISO modules offer a lot of practical solutions. Nearly all types of functional trolleys can be created with the keo® system for various clinical demands e.g. ward trolleys, treatment trolleys, anaesthesia trolleys, ISO module trolleys, supply trolleys, emergency trolleys etc.

The keo® ISO module trolleys are suitable for all conventional ISO module systems.



**ISO module dressing and treatment trolley**



**ISO module trolley with modules**

**basic trolley**



**Variocar®**

Matured, best quality and workmanship. Elegant design, extension possible at any time. Variocar® fulfils virtually all standards and wishes. The chromium plated, patented frames and the high quality materials of shelves and drawers. In combination with a huge range of accessories make the Variocar® line unmistakable.

- Very sturdy, chromium plated square tubular steel frame
- Individuality by colour accents
- Infinite variations

# Modular Trolley Systems

Multipurpose trolleys / Variocar®



### 08/16® line

The 08/16® line with sturdy white varnished square tubular steel frame.

- Ergonomically designed handles
- Individuality by colour accents
- Endless variations

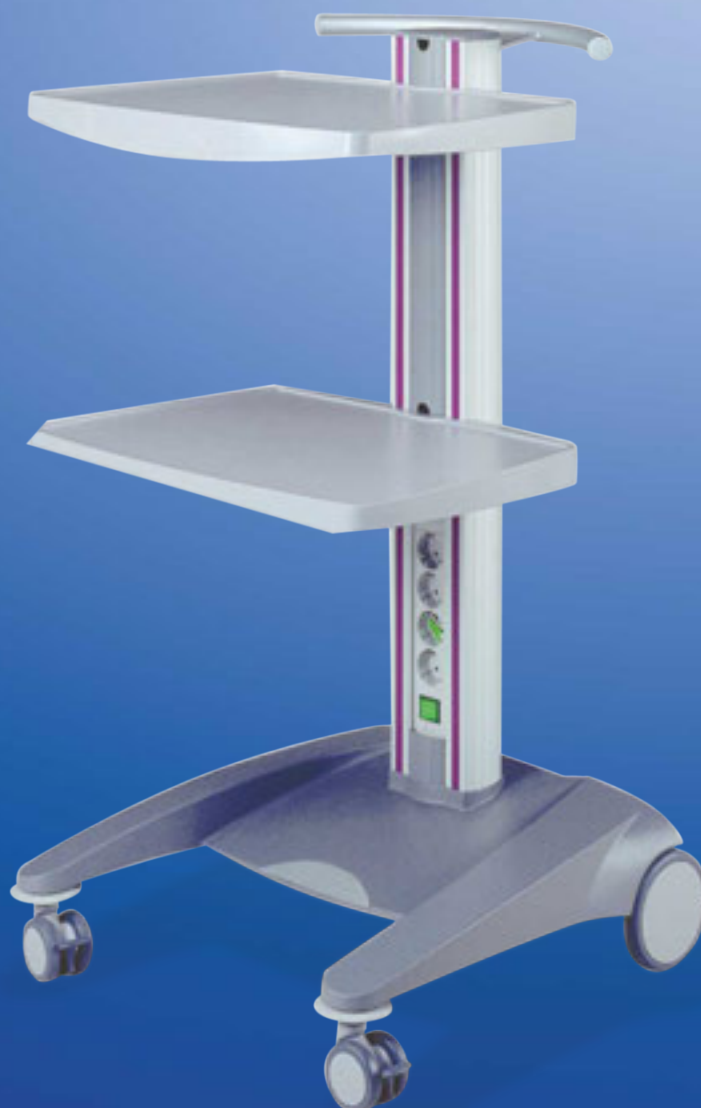
The trolleys are available in four different widths and five heights.

Ward

**basic trolley**







# Modular Trolley Systems

fuego



**Computer trolley**



**Endoscopy cart**



**Ergometry cart**

### fuego

In the medical sector, these equipment carts are ideally suited for the mobile and flexible accommodation of smaller equipment, such as computer carts, desks with convenient electrical height adjustment, ergometry carts, occasional carts, etc.

You can choose the following colours of decorative strips: grey, blue, red-violet, yellow and turquoise.

All the fuego models are available with the dynamic "fuego-cuatro" chassis.



**Cart with drawer**



**ECG trolley**

### fuego-cuatro chassis

- Dynamic
- Smaller turning circle thanks to steerable rear castors
- Ideal for applications with small working radius
- Four steerable castors
- Diameter of front castors 75 mm, rear castors 100 mm
- Total loading capacity: 60 kg





**Basic cart  
with two drawers**



**Basic cart**

### **toro**

The new strong and distinctive equipment cart system features a beautiful design, stability and functionality and can be retrofitted with additional components. Toro is the modular equipment cart system for the storage of compact medical or electronic devices.

- It is practical for everyday purposes, is built to last and meets the strict hygiene requirements of clinics and doctors' surgeries.
- Shelf and drawer are available in two widths 45 cm or 63 cm.

- Variable equipment cart system for the storage of compact medical or electronic devices.
- With its high-grade metal shelves, rounded decorative corners and high-grade aluminium profile, the toro equipment cart system comes ready-to-use in clinics.

# Modular Trolley Systems

## Equipment cart system



**Emergency cart**



**Endoscopy cart**

Ward

### **swingo®**

The elegant and very strong aluminum carrier profile with four fastening points takes plates and accessories to its exact position. The integrated cable duct keeps cables optimally. The modular system with practice-approved components offers an open-end range of individual equipment options.



**Equipment cart**



## Anti-Decubitus-Systems



### HICO-DECUBIMAT Mod. 370

- Two-chamber big cell system incl. CPR valve and static head section
- Application in prophylactics and therapy up to stage II technology
- Monitoring by control lamp
- Patient weight adjustable from 40 - 160 kg
- Easy handling and cleaning
- Silent

### Hico-DECUBIMAT Mod. 375, 380, 390

- Two-chamber large cell system with CPR valve and statichead section
- Maximum comfort thanks to air penetrating and non-slip covering
- Optimal reduction of contact pressure for patients from 40 - 160 kg
- Transport function and static soft support
- Prevention and treatment up to stage II / III
- Easy to use and very quiet with low vibration levels



Ward



### HICO-DECUBIMAT Mod. 365

- Air-flow-system for patient ventilation through small holes (laser perforation)
- Less transpiration and improved micro climate on the skin
- Optimum pressure control using minimal air chambers
- Continuous pressure regulation
- Robust and durable unit
- A recognised resource in the home care



## Hypo- / Hyperthermia-Systems

## HICO-AQUATHERM Mod. 660

- Maximum heat transfer by water
- Connections for two warming mats

## HICO-VARIO THERM Mod. 550

- Optimum heat transfer or discharge by water
- Temperature range 15 - 39 °C

## HICO-HYPOTHERM Mod. 680

- Optimum heat discharge by water
- Temperature range 15 - 35 °C

### Equivalent Features

- Compact and robust construction
- Simple handling
- Low noise
- Precise temperature control
- New safety system



## HICO-VARIO THERM Mod. 555

- Temperature range from 5 °C to 40 °C
- Defibrillation protected device
- Non-tilt, robust chassis (optional)
- Optimum heat transfer and dissipation by water
- Compatible with all HICO-water mats
- Exact temperature regulation
- Innovative safety concept
- Compact, robust construction
- Low noise level



## Medical Trolleys





## EMERGYKAR

### Emergency trolley

The EMERGYKAR series has been developed based on our experience in the field.



## MEDIKAR

### Medication trolley

The MEDIKAR is designed to offer a wide range of accessories and more storage space.







## Medical Bed and Stretcher

**Arredi**  
KARISIMEDICA

### Twin Bed

The twin electrically height adjustable bed offers a series of important features and optional accessories to meet all requirements for an universal hospital bed. The range of configurability harmonises with any hospital setting.



Ward





## Medical Bed and Stretcher

## Stretcher

### Hydraulic height adjustable stretcher

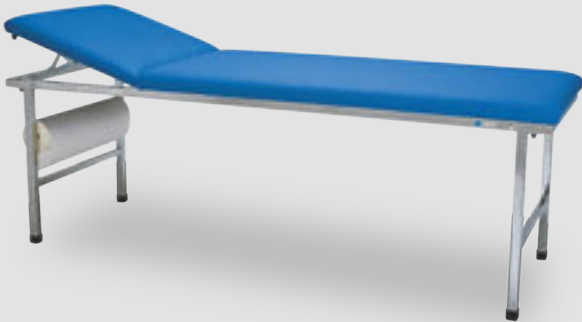
Emergency movements are operated with a single touch at multiple locations on the stretcher. Easy and intuitive position controls and efficient technical reliability in use when patient safety must come first.





## Nursing Home Products




**Model-No. 22-01**

The top part can be adjusted upwards using two metal safety raster locks, the bottom part is fixed. The base of the square tube is not movable.


**Model-No. 2118-00/H**

As standard: Extra upholstery for recovery and patient transport tables. The table is equipped with a hydraulic pump for foot operated height adjustment. Pedals for this can be found on each side.


**Model-No. 90-00 + special equipment**

Tilt table with a fixed height and electromotive tilt function for the lying surface. The table is movable on castors, each fixable. Special side rails along the lying surface on each side allow the application of special tilt table equipment.


**Model-No. 2815-00 + special equipment**

The table is equipped with an electromotive height adjustment device. The lying surface consists of three sections. The top part can be adjusted upwards and downwards using a gas spring. The bottom part can be adjusted upwards using a gas spring. The middle part is fixed.


**Model-No. 20-00**

The top part of this examination table can be adjusted upwards up to 75° using a gas spring.


**Model-No. 2695-00**

The table is equipped with an electromotive height-adjustment device. The lying surface consists of three sections. The top and bottom parts can be adjusted upwards and downwards using a gas spring. The height of the middle part of the table is electronically adjustable, upwards and downwards.

Special: The middle part has a cut-out for echocardiography examinations and upholstery to close.



## Refrigerators and Freezers

### Blood bank refrigerator BL-100

The blood bank fridge BL-100 can be installed in the usual way and also using an under-counter-type installation. Door-coupling fittings or decorative frames are available at an extra cost. When the device is being installed as a stand-alone unit we can supply a matching tabletop if desired.



### Blood bank refrigerator BL-300

This blood bank fridge has a door handle which features a mechanism for easy opening. If the refrigerator is used in hygienically-demanding areas, melt water trays for manual emptying are available for all blood bank refrigerators.

Ward

### Blood plasma freezer FROSTER-BL-178

All KIRSCH blood plasma freezers are fitted with an automatic rapid defrosting system. The defrosting process is thermically monitored and temporarily limited. This prevents freezing of the interior and the temperature of the appliance's contents is kept constant in accordance with applicable regulations.





### **Laboratory freezer FROSTER-LABEX-320**

This laboratory freezer features re-circulating air cooling, a rapid defrosting system and a quick-freeze function. The unit also features an explosion-proof interior according to guideline 94/9/EC (ATEX 95). Four plastic-coated shelves on mountings are fitted as standard. The shelves can rest on a telescopic runner if desired. Besides this standard option, wire baskets on runners are also available.

### **Laboratory refrigerator LABEX-335**

The laboratory fridge LABEX-335 features two plastic drawers and four plastic-coated shelves as standard. All shelves and inserts are vertically adjustable and the device has an explosion-proof interior. If desired, the laboratory refrigerator can also be fitted with castors.



# Refrigerators and Freezers

### Pharmaceutical refrigerator MED-100

The pharmaceutical fridge MED-100 is mainly installed in furniture. The compressor is dynamically ventilated. Air supply and discharge is done via a ventilating grille at the front. This permits effortless installation (also as an under-counter type). When the device is intended to be used as a stand-alone unit we can supply a work surface.



Ward

### Pharmaceutical refrigerator MED-288

The pharmaceutical fridge features five vertically-adjustable drawers made of plastic as standard equipment. The drawers rest on telescopic runners and have a locking element. Each drawer has two adjustable length dividers and nine adjustable cross dividers.







# Examination Couches

### MUL2800 III

#### Height adjustable bariatric examination table

The examination couch MUL2800 III is characterised by a compact and practice-oriented design and construction. Variable applications realisable through user friendly handling. A high level of convenience is ensured due to comfortable upholstery. Powered adjustments are carried out by an easy operated footswitch. Wide range of accessories offer a wide spectrum of possible application.



### MUL1200 II

#### Examination, treatment and massage couch

By using and manufacturing stable steel pipes in the production process of the examination couch frames, they fully withstand the daily use in doctor's surgeries and hospitals, ensuring a long service life.

The frames are coated with a high-grade, extremely shock and scratch-proof resistant powder-coating, or a chromium-plating respectively.



# Wheelchair

### 3.600 Chrom

- Adjustment possibilities to the body measurements
- User weight up to 120 kg
- Easy foldability through the crossbrace guide tubes
- Many accessories available: Breathable fabric covers, footplates with slip safety and segment exceeding, application, drum brake, optional anti.tip castors and many more



Product-pictures on this page copyright by Meyra-Ortopedia



## Medical Scales





### **seca 703**

#### **Wireless column scale**

Extremely robust, precise and stable. With a capacity of 300 kg, a large but low platform and an integrated BMI function. Integrate a mechanical measuring rod or receive data wireless from a separate digital stadiometer. It includes time-saving functions Pre-TARE, HOLD, Auto-HOLD and mother/child-function.



### **seca 376**

#### **Electronic baby scale with a shell-shaped tray and a raised LCD**

Ergonomic, convenient and time-saving. The adjustable damping function combined with the Auto-HOLD function ensures fast and precise work. With a capacity of up to 20 kg. Includes the BMIF (Breast-Milk-Intake-Function). Weigh and measure in one step. Wireless data transmission to the seca 360° wireless network.

### **seca 728**

#### **Electronic baby scale with digital display**

Thanks to the especially fine two-gram graduation, this scale registers even the smallest change in weight. With the aid of the Auto-HOLD function, the result is displayed even after the baby has been taken off the scale. The included measuring rod converts the scales into a complete weighing and measuring system.





### **eleganza 3XC**

The design and function of the eleganza 3XC bed are customised to meet the high demands of intensive care. This modern bed with column construction offers an integrated programme which helps hospital staff to save the lives of critical patients.

# Hospital Beds



### eleganza smart klinik

The eleganza smart klinik hospital bed gives you confidence and safety. Harmonious matching materials and colours ensure a uniform appearance. The divided side guards support the mobility of the patient and close without a gap. The risk of a fall is thus actively counteracted. Even with a folded down side section, the height of the element that remains raised is sufficient to protect the hip area, and thus the patient's centre of gravity.

### multicare

Multicare is a highly modern ICU bed of supreme quality, which not only meets these demands, but exceeds them by systematically taking the strain off the nursing staff. Furthermore, it can even actively contribute to the recovery process and offers unparalleled functionality: Lateralisation on the intensive care unit is a function that not only reduces strain in everyday nursing, but also speeds up the patient's recovery.



### eleganza 3

With the eleganza 3, wissner-bosserhoff combines proven qualities with innovative solutions. Patients and users benefit in particular from the concept of active patient mobilization and the Ergoframe® bedding surface system for bedsore prevention.

### stretcher sprint

The stretcher sprint guarantees speedy transport of the patient, easy handling and makes the first important examinations possible. The construction of the columns, extremely stabile and mechanically adjustable in height, guarantees easy and quick cleaning which, together with the uniformly smooth upper surfaces, makes an important contribution towards infection control.





### **estetica nova S10**

The estetica nova combines living comfort with individual nursing convenience, even at intensive care levels and unites several practical functions. The functional nursing home bed is movable at any position and is equipped with easy-to-operate brakes and an innovative side-guard concept. Estetica nova fits harmoniously into a homely ambience.

# Nursing Home Products

## stylo C2

The bedside cabinet stylo C2 has two spacious drawers and handles which make moving the table very easy.



## stylo C2 + server S3

Practical combination: The Server S3 with height adjustable over-bed table parked behind the stylo C2. In this way both products can be used independently.



## stylo C3

With a height adjustable over-bed table the stylo C3 offers the patient individual comfort. The over-bed table can be extended without the nursing staff having to set the tray down.



## stylo C3K

The bedside cabinet stylo C2K with its integrated 41 l cooler leaves nothing to be desired.



Ward



## server S3T

The patient benefits from the server S3T's second additional shelf which is fixed and not separately adjustable.



## server S3

The server S3 with height adjustable, tilting over-bed table. The server can be stored in a space-saving manner when not in use.





# Rail System Programme



**Flowmeter**



**Humidifiers**



**Flowmeter / bronchial  
suction jar**



**Secretion suction jar**



**O<sub>2</sub> compressed air blender**



**Gas connection hoses**



**Compressed air injector**



**Vacuum regulator valve**



**Gas distributor**

A complete rail system programme for all areas of application. Reliable function and handling, optimised operation and use, versatile and flexible application for moisturising, aspiration, O<sub>2</sub> therapy, O<sub>2</sub> oxygen regulator, device carrier etc.



# Emergency Carts



## Lifeline™

Lifeline's redesigned, integrated features are specifically designed for code response.

- Lightweight polymer construction
- Quick, safe transport to code
- Multi-person access
- Highly organised



## Flexline™

**Flexible options - designed around you**

Flexline's integrated features are designed to conform to today's application needs and tomorrow's.

- Lightweight polymer construction
- Enhanced security features
- Spacious work surface
- Configurations to fit your budget



# Emergency Respiratory Care



## CAREvent® ALS

Handheld resuscitator with demand valve



## CAREvent® CA

For toxic atmospheres



## CAREvent® EMT

Automatic and manual ventilation only



This handheld resuscitator is a pneumatically powered, time / volume cycled resuscitator with the added features of a naturally actuated, automatic ventilation override button. No electrical supply or batteries are required to operate the device.

## SMART BAG® MO

Bag valve mask ventilation

SMART BAG® MO has been designed to allow the provision of consistent ventilation while almost completely eliminating the risks associated with conventional BVM ventilation.



Emergency



# Emergency Respiratory Care



### CAREvent® ALS+ CPAP

The CAREvent® ALS+ CPAP automatic transport ventilator provides trained individuals with safe and effective means of providing controlled ventilation during respiratory and cardiac arrest. Packaged in lightweight, portable, and extremely durable control-module-style cases, this simple-to-use ventilator is designed for the demands of emergency, rescue, resuscitation and critical patient transport. The unit is self-contained and only requires attachment to a regulated oxygen supply and the attachment of a transport ventilator circuit for immediate use. No batteries or electrical supply are required.

### CAREvent® MRI

The CAREvent® MRI Automatic transport ventilator is lightweight, portable, durable and simple to use. It is completely pneumatic (no batteries required) and delivers breath by breath consistency in delivered tidal volume, frequency, inspiratory / expiratory times and flow rates. The range of pneumatic alarms provided warn the operator of incorrect operation or gas supply problems. The CAREvent® MRI contains no ferrous metals and is suitable for use in a 3 tesla MRI environment.



Emergency





# Emergency Monitoring

### ARGUS PRO LifeCare

One of the most powerful intensive care patient monitors goes mobile – with defibrillator and transcutaneous pacemaker.



### ARGUS PRO LifeCare 2

Defibrillator, pacemaker, patient monitor and 12-channel ECG in a compact design.



Emergency





# Pathology

## Mortuary refrigeration units

**Mortuary refrigeration units with single and all over doors, for charging with racks and broadside charging**

Mortuary refrigeration units from stable, self-supporting elements in sandwich structure, from 80 mm strong CFC free foamed polyurethane rigid foam. Surface inside and outside from steel sheet (standard white) powder-coated. The mortuary refrigeration units are dimensioned on an interior temperature of 3 °C / 5 °C.

- Stainless steel surface
- Top / bottom lock
- Transport rollers
- Deep freezers -18 °C
- Various dimensions
- Backup cooling system





# Catering Systems

Food regeneration and service



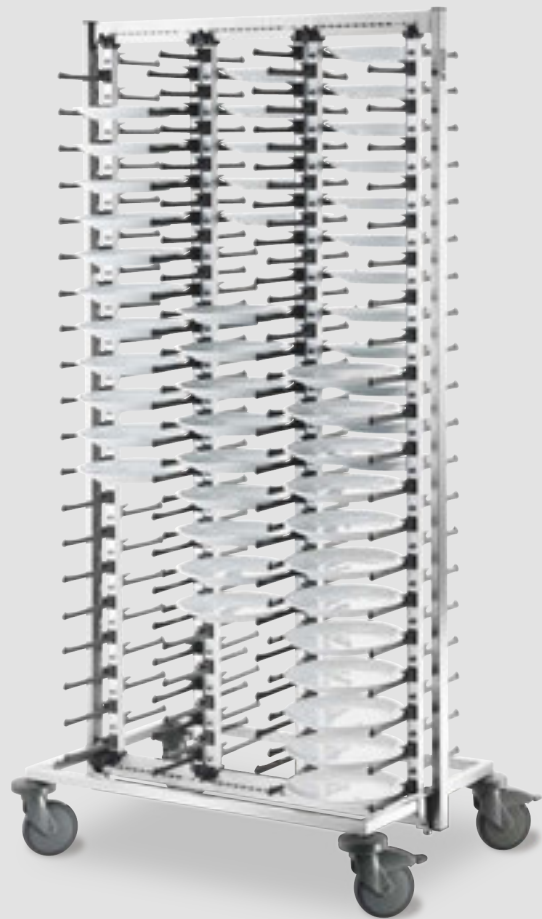
## RECALDO AVENTO

Hot-air regeneration on euronorm trays



## BLANCO SERVISTAR

The innovative plate-stacking system provides space for gastronomic creativity, effective work and a relaxed path from the chef to the guest.



Catering

## Food distribution – serving your meals in style

Food distribution is always a matter of proper timing, hygienic transport and the appropriate heat retention system. BLANCO offers an entire range of products for a smoothly coordinated, economical food distribution system. Everything from a high-tech induction trolley to transport trolleys and food-serving trolleys and a variety of heat-retaining sets of kitchenware.



# Catering Systems

Food serving



### BLANCO BASIC LINE

Modern food servery with built-in economy



### BLANCO MIKADO

Perfect for in-line use, perfect for free-flow applications



### BLANCO MANHATTAN

Compact and flexible food serving with a system



### BLANCOTHERM

Synthetic food transport containers



# MEDIA



HEINEN+LÖWENSTEIN - BREMEN

## Interior Design and New Media

Design with words and images, marketing, interior design and fair appearances are the important fields of activity of ACENDIS MEDIA in Hannover.

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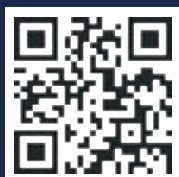
Fair Stands . Interior Design . POS .  
Store Construction . Displays . maxxi Matte





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