ICU - Intensive Care Unit
Specialised Solutions and Quality Systems
INTENSIVE CARE UNIT

Innovation in Life’s Medical Technology
ICU - Intensive Care Units by ACENDIS

The intensive care unit is a special department of a hospital or health care facility. It caters to patients with the most severe and life-threatening diseases and injuries such as trauma, organ failure or sepsis.

Therefore an intensive care unit has to provide constant and close monitoring as well as support from specialist equipment and medication in order to maintain normal body functions of its patients.

The goal of ACENDIS is to guarantee the best environment and conditions for the treatment and further care of our customer’s patients by providing the best equipment and latest technologies. By doing this, we ensure a safe treatment process and satisfied staff and patients.
Bedhead Units
**Medilight**

The Medilight bedhead 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 bedhead unit is suitable for use with hospital beds which require access to a number of electrical, telecommunications and medical gas outlets.
modulux pure

Lighting and Supply Unit
The modulux pure is a medical supply unit, which despite its compact design displays a high degree of equipping potential for high voltage, data and communication technology installation components as well as tapping points for medical gases. Modulux pure can come in a length of up to six metres as a single or two-bed unit.

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

The ideal medical supply unit, specially designed for the recovery room and intensive care ward.
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
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
ICU Beds
**eleganza 3XC**

The progressive features of the eleganza 3XC bed are designed to meet the high demands of intensive care. This modern bed, with its column construction, offers an integrated programme to assist caregivers in saving the lives of critical patients.

**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.

**Selected Features**

- Integrated scales
- Mobi-lift® support handles
- Ergoframe® mattress platform
- Central nurse control
- Columns
- 5th castor
- Bed extension
- X-ray cassette holder
Intensive Care Ventilators
Superior technology for precise breathing
Invasive and non-invasive ventilation - Elisa provides the clinical practice orientated combination of both invasive and non-invasive ventilation in a single device. You can choose between spontaneous or controlled non-intensive ventilation strategies. The modern intensive care ventilator measures the expiration volume precisely and includes a reliable leakage compensation.

**Benefits of Elisa**

- Dynamic BiLevel to avoid volutrauma
- Wide range of respiration forms from newborn to adult / from IPPV to BiLevel
- Innovative pre-oxygenation function to reduce oxygenation determined dysatelectasis
- Comprehensive security and hygiene concept
- 12" TFT touchscreen with a swivel-mounted and removable colour display
- Automatic patient detection (APD)
- Reduced patient stress by intelligent alarm management
- Automated adaptation of inspiration pressure according to the type of ventilation
Patient and Intensive Care Monitoring
ACENDIS APM-500
Anaesthesia and ICU patient monitor

ACENDIS patient monitors are able to capture all monitoring information through post-operative care. Their functional and intuitive design helps to easily check all patient data. The APM-500 Series convinces with high mobility and touchscreen functionality.

- Special design for acute care
- 2 standard module slots for easy upgrades
- 10.4" high resolution LCD display
- Touchscreen
- Lithium battery
- 3/5 lead ECG, NIBP, SpO2, Temp

ACENDIS APM-500 PRO
Anaesthesia and ICU patient monitor

- Special design for acute care
- 2 standard module slots for easy upgrade
- 12.1" high resolution LCD display
- Touchscreen
- Lithium battery
- 3/5 lead ECG, NIBP, SpO2, Temp
Infusion Pumps
ARGUS 717/718 V
Flexible and safe in every way

ARGUS 717V/718V volumetric infusion pump is suitable for administering large volumes of medication in general care and intensive care as well as neonatology and pediatrics. The latest technology and ultimate flexibility are the main features of this product. The supplementary medication database ARGUSmedDB supports the user in efficient and safe handling.

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

Modell A717V:
for use with the infusion sets of all leading manufacturers

Modell A718V:
for use only with the patented CODAN Anti-Free-Flow System
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
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).
APPLIX® Smart
Enteral feeding pump for continuous application

The APPLIX® Smart is intended exclusively for enteral feeding. It can be used with both home patients and hospital patients and is a very simple pump to operate. The APPLIX® Smart has a continuous feeding administration programme and several functions for patient safety.

APPLIX® Vision
Enteral feeding pump for continuous application

The APPLIX® Vision is intended exclusively for enteral feeding. It can be used with both home patients and hospital patients. It is an easy-to-use feeding pump with the application programs: continuous, volume/time, bolus. The alarm functions ensure optimum reliability.
Patient and Intensive Care Monitoring
ACENDIS APM-30 mobile
Handheld SpO² / EtCO₂ patient monitor

APM-30 mobile is a newly developed handheld patient monitor for continuous EtCO₂ and SpO₂ monitoring. It can be applied to both intubated and normal spontaneously breathing patients during all clinical situations.

- 3.5” high luminance color LCD touchscreen
- record of patient data in 7,200 hours
- VSDI (Vital Sign Data Integration) technology integrated
- dustproof, waterproof, shockproof

ACENDIS APM-300 "Louis I"
Vital signs patient monitor

- Flexible combination of different parameters to satisfy different clinical environment
- Anti-shock and anti-drop design to meet the requirements of outdoor practices
- Large internal data storage and optional SD card slot
- Optional NIBP, SpO₂ ensures accurate measurement
- Support skin/oral/infrared temperature measurement
- LAN/WLAN/3G telephone data transmission, patient monitoring is no longer limited by location
Neonatal and Intensive Care Monitoring
ACENDIS APM-3000
Patient monitor

The flexible and intuitive ACENDIS APM-3000 is suitable for adult, pediatric and neonate patients. This patient monitor shows all relevant physical parameters, such as ECG, NIBP, SpO₂, RESP and TEMP.

The patient monitor can display a maximum of 8 waveforms and show all parameter information monitored on the same screen.

- 7" high resolution color TFT display, 5-channel waveform display
- Standard parameters: ECG, RESP, SpO₂, NIBP, 2-TEMP, PR
- Arrhythmia analysis and ST segment analysis
- Up to 12,000 groups parameter data & 72-hour ECG waveform storage and recall
- 1000-hour graphic and tabular trends for all parameters
- 7-channel ECG waveforms display simultaneously
- Protection against interference from defibrillators, electrosurgical knifes
- Adult / Pediatric / Neonatal measurement modes
- Visual and audible alarms; networking capability
- Built-in rechargeable battery
Phototherapy and Incubator
ACENDIS APL -4 / 6 ‘Aurora’
Phototherapy lamp

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

• 4 blue light compact fluorescent lamps (CFLs) for the treatment of hyperbilirubinemia
• 2 white light CFLs giving a pleasant mixed light for observation

Bistos BT-400
Phototherapy lamp

The ultimate solution for Neonatal Jaundice treatment. BT-400 has blue LED lamp so that it is much more curable and effective than ultraviolet light lamp phototherapy such as fluorescent or halogen one.

• 20,000 hours operating time
• less side-effect of heat
• display for treatment and total using time
• Light weight and compact size
• Flexible neck for easy use

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 hospital breast pumps

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.

ARDO Calypso-to-go
The gentle breast pump for complete mobility

- In stimulation mode or in expression mode, vacuum and cycles can be individually adjusted at any time
- Complete protection from contamination and pathogenic agents, thanks to “VacuuSeal” technology
- OptiFlow actively massages the breast
Pediatric Intensive Care Ventilators
Innovative technology for our little patients
Leoni 2
Neonate and child intensive ventilator

- Compact and light weight unit
- Ventilation of premature infants, neonates and children up to 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 plus
Suitable for long-term ventilation

- Diaphragm based HFO
- Volume cycled ventilation
- PSV ventilation
- VT trigger adjustment
- 12” colour display
- Removable touchscreen
Pediatric Intensive Care Ventilators
Innovative technology for our little patient
NeoJet™ – nCPAP-system
For premature infants and babies

The NeoJet System expands the application range of Heinen + 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 – nCPAP Driver
Generator for supportive respiration

Therapeutic enrichment of the respiratory gas mixture with oxygen for neonates and premature babies. Sindi is a generator for supportive respiration with a constant positive airway pressure.

- Display of
  - 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
- Reset for alarms - mute 2 minutes or quit
- Disconnection alarm for nCPAP (if pressure is to low)
- Integrated service software
- Battery operating for about 6 hrs. with charging control
**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 – resuscitation 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.

**Features**

- Effective heat transfer due to panel heater
- Precision electronic adjustment of set temperature
- Display of current temperature
- Infinite electronic height adjustment
- Gentle electric bed tilting at the press of a button
- Front and side panels are prepared to turn down
- Gel mattress

**Features**

- Swiveling, fast-response radiant heater with integrated examination lamp
- Conductive heat by a heated gel mattress
- Quiet, electric height adjustment (up to 30 cm)
- Gentle electric bed tilting by button pressing
- Fold-down side panels available in various heights
- Skin temperature control and display
- Trays which allows attaching of control panels and ventilator
Heat Therapy Lamp
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.

• Generated invisible infrared radiation (the 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
• Integrated Ceramic lamp, scale-free filament with integrated halogen examination lamp (glare-free)
• Thermal convection – caused by considerable differences between skin and ambient temperature
• Controlled dosage of radiation intensity
• Available with a mobile stand, different wall- or ceiling mountings
ACENDIS SHOWROOM
ACENDIS SHOWROOM
Hanover, Germany

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

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.