



Operating Theatres

The Czech Republic = one of the best **healthcare systems** in the European Union

Czech companies are able to supply various kinds of **investment units**:

- + Hospitals
- + Modular Hospitals
- + Laboratories
- + Emergency Healthcare in Crisis Situations
 - Field Hospitals
 - Mobile Emergency Units
- + Public Health Protection Authority
- + Isolation Departments/Wards

CZECH HEALTHCARE SOLUTIONS
by
Association of Manufacturers
and Suppliers of Medical Devices

General Contact:
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CZECH
HEALTHCARE
SOLUTIONS



BLOCK[®]

Clean Room Solutions

konvicny@blockcrs.cz
www.blockcrs.com

Turnkey implementations of operating theatres

We deliver operating theatres on a turnkey basis. We provide complex services and realizations in full: Tailor-made design solutions, Financing, Processing of design documentation at all stages of the project, Supplies and implementations in full, complete equipment with medical technology, Validation of cleanrooms, Putting into service and training of the staff, Warranty and post-warranty service.

For the built-in operating theatres, we develop and manufacture our own system. The system is based on horizontal panel segmentation in three lines and allows the removal of the middle



and bottom lines and a simple integration of technology, cabinets and other elements whenever the need arises. The system offers broad combinations and varieties of colours and materials. **+**



eshop@clinitex.cz
www.clinitex.cz

CLINITEX s.r.o. (Ltd company) is a Czech producer and distributor of medical clothes and clothing suitable for the health care environment, surgical gowns and bedlinen with close up at renting the textile to the industrial laundries market and the end consumption.

CLINITEX clothing range is a result of long-time experience, constant progression and precise testing of used materials and its components including the cut performance and also the ability of the clothing to withstand demanding maintenance processes. To create a fair, strategic and mutually favourable relationship with all partners, we approach their demands as our own with the responsibility, high-quality focus, distinguished experience and close cooperation.

The company has been certified with ISO 9001 Quality management systems – Requirements and ISO 13485 (Medical devices – Quality management systems – requirements for regulatory purposes).

Main commodities of CLINITEX production are:

- + Medical clothes and textile
- + Reusable surgical gowns
- + Clothes and drapes for clean air rooms used as medical devices for patients, hospital staff and equipment according to EN 13795+A1
- + Functional clothes with high visibility for paramedics according to EN ISO 20471
- + Incontinence pads and absorbent aids
- + Rental linen and textile for commercial laundries and the rental system
- + Patient clothing
- + Bedlinen and textile for the health care system and the hotel environment. +



m e d i c a l

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F medical s.r.o. is Czech dealer of X-ray devices and complex IT solutions including PACS. FOMA provides complete customer support from project creation to implementation and servicing of supplied technologies.



We can design a solution exactly to the customer needs. Our customers include both large faculty hospitals and small private offices including veterinary surgeries.

Our portfolio is large, we cooperate with several of the world's top suppliers.

- + Digital X-ray systems
- + Direct digitalization of existing X-ray devices
- + PACS solutions and diagnostic stations
- + Reliable service available 24/7
- + Professional approach involving hundreds of installations
- + Collaboration with leading global suppliers +



business@mediatrade.cz
www.mediatriade.cz

Pulse generators for the heart stimulation

- + Biphasic stimulation impulse
- + Continuously adjustable width of the stimulation impulse
- + More convenient and save for the heart muscle
- + QRS detection
- + Any polarity of battery for inserting

EPG 10B BIPHASIC

Biphasic single chamber external pacemaker that preserves the required pulse of the patient thanks to biphasic stimulation intended for use in cardiology and cardiac surgery.



EPG 10MO MONOPHASIC

Monophasic single chamber external pacemaker that preserves the required pulse of the patient thanks to monophasic stimulation intended for use in cardiology and cardiac surgery.



EPG 10M MULTIFOCAL

Multifocal single chamber external pacemaker that preserves the required pulse of the patient thanks to biphasic stimulation intended for use in cardiology. Multifocal pacemaker is used for oesophageal pacing ➦



Basic surgery

Surgical instruments have a wide range of use in the surgeries and in operating theatres.

Radial plates volar distal

Plates are intended for osteosynthesis of intra-articular and extra-articular fractures of the distal radius on the volar side. The aim of osteosynthesis is the reconstruction of the articular surface, stable fixation of fragments, and restoration of radial length and angle. ➦



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Company MEDIN specialized in R&D and production of traumatological implants. Implants are designed for osteosynthesis. The product range base comprises of the nails, plates, bone screws and small implants. An important part of the range are patented products the C-NAIL calcaneal nail, OMEGA pelvic plate and rib plates.



mz Liberec, a.s.

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Ceiling pendants "OK07"

Unmistakable design, variability and modularity; supply of medical gases, electric current and

weak current from ceiling to workplace of medical specialists; for operating rooms, ARD and ICU equipment.

Balanced spring arms "SPR"

Holders of surgical luminaire, cameras, monitors, X-ray apparatus safety screens, and many others specialized devices; made from the extruded aluminium ensuring higher endurance to the aggressive disinfectants used in the health service.



Medical beams "ZMP"

Mounted on wall or ceiling; Supply medical gas and electricity to the optimal distance to patient's bed in specialized medical workplace (ARD, ICU); Can be equipped with other outlets and a large range of accessories. ➡



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PD clean s.r.o. is a specialist in implementation of clean rooms for health service and for pharmacy, particularly in the form of complete turn-key



deliveries. We implement job orders, including all stages of designing, deliveries of structures for the clean rooms, technologies, installations, starting-up, warranty service, validations in accordance with GMP regulations, and possible permanent servicing of the plants delivered by us. ➡



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www.smt-praha.com/

SMT Company offers for more than 20 years own and innovative solutions for Electrosurgery and Cryosurgery for different hospital use.

Electrosurgical Units in variety of models are suitable for dedicated Operating Theatres as well as for smaller Operating Rooms in Modular or Field Hospitals.

Cryosurgical Devices "Cryosprays" are designed for cost effective, painless, and quick treatment

in Dermatology, Dermatosurgery, Ophthalmology, Proctology, and other medical branches.

SMT products are widely known for outstanding quality, excellent (heavy-duty) performance, user friendly solution, and modern innovative design.

SMT ESU M – Multifunctional Electrosurgical Unit – extremely wide range of applications

This model line covers all current surgeon demands and follows (exceed) current trends such us:



- + Easy control by 8" color touchscreen, footpedals, and cut & coag handswitch
- + Advanced electrosurgery functions including saline, cut & coag modes, vessel sealer modes, and RF cut & coag
- + PRT technology – power adoption on different tissue types
- + Efficient spray modes with crest factor up to 10 – argon unit upgradable
- + 100 programmable user settings
- + Compatibility with wide range of instruments

SMT ESU B – Bi-function Electrosurgical Unit – enhanced safety and performance

This model line designed for Operating Theatres offers an excellent ratio – functionality & cost effectiveness:



- + Easy control by 5,2" TFT touchscreen
- + Variety of function in Monopolar and Bipolar modes
- + PRT technology – power adoption on different tissue types
- + 30 programmable user settings
- + Compatibility with wide range of instruments



medical@tse.cz
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Radiant Infant Warmer Natally

Safe and comfortable environment for newborn children in delivery rooms and during subsequent intensive care.



Key features

- + Preheating mode, manual mode and body temperature mode
- + Two-side rotating of the emitter by 90°
- + Electrical bed tilting
- + Positionable 9" colour LCD monitor
- + Vital signs monitoring by Masimo Rainbow SET
- + Integrated weighing scale
- + Height-adjustable chassis with two-side control
- + Phototherapeutic module
- + Wide selection of accessories

Transport incubator TI-401 BABY ACTIVE

The solid structure of the Baby Active incubator is designed to resist the strains of transportation and to absorb impacts. Safety belts and a special anti-stress mattress guarantee the child's safety and comfort.



Key features

- + It maintains stable climatic conditions (air temperature, oxygen concentration) during the transport of the newborn
- + Double transparent cover
- + Optical and acoustic signalling of key parameters via alarm system

- + Power from the internal energy source of the incubator (for at least 4 hours), possibility to be powered from a car battery or from standard mains
- + Automatic charging of internal batteries when connected to a network
- + Possibility of fitting with additional devices such as vital signs monitor, ventilator etc.
- + Undercarriages for transportation by ambulance or for transport within hospital facilities



sanela@sanela.cz
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Our company, as a leading producer of sanitary electronics in the Czech Republic, offers a wide range of no-touch sanitary ware and stainless-steel





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products to hospitals. You can choose from a variety of products designed for medical facilities including touch-free washbasin tap, contactless disinfection dispenser or stainless-steel washing trough tailored to meet our customers' needs. ➡



EP Rožnov, a.s. offers full spectrum of services in operating theatres from consulting and design to managing and delivery of turnkey solutions.

We provide professional consultations, studies and processing of complete design documentation by 3D software with BIM integration. We implement the installation of operating theatres, incl. HVAC and energy operation.



We perform qualification measurements of cleanrooms, inspections and revisions of technological equipment of buildings, we process operating regulations for cleanrooms and we train staff.

Based on the complexity of services provided and our many years of experience, we have developed own multifunctional system of EP MEDICAL operating theatres with a variable solution according to your individual requirements.



EP MEDICAL operating theatres are characterized by

- + Easy integration of internal equipment
- + Accessories for even higher comfort of the personnel's work
- + Easy access to equipment in the operating theatre
- + Simple assembly
- + Easy cleaning and disinfection of surfaces
- + Modern design

Flidr medical

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Flidr medical s.r.o. is a recognized Czech manufacturer and supplier of reliable medical equipment. For operating theatres, it offers ceiling

bridges and ceiling arms and can provide high-quality surgical lights via subcontractors. All medical equipment supplied meets strict requirements and regulations for placing on the market.

SM-P and SM-Z ceiling bridges

- + They allow medical gases and electrical media to be brought into the doctor's workspace
- + Light, sufficiently rigid and not applying excessive load to the ceiling structure
- + Optimal ratio of performance and cost
- + The lifting variant can increase operator comfort by setting the supply part to the optimal working position
- + Colours and selection of accessories according to customer requirements



SR ceiling arms

- + They allow medical gas and electrical media to be brought into the doctor's workspace
- + Produced either without an arm, with one arm or with two arms, with the option of adding a modular or width supply head



- + They can be rotatable, swinging or combination thereof – adjustable on site
- + Colours and selection of accessories according to customer requirements +

Gatema

know wow

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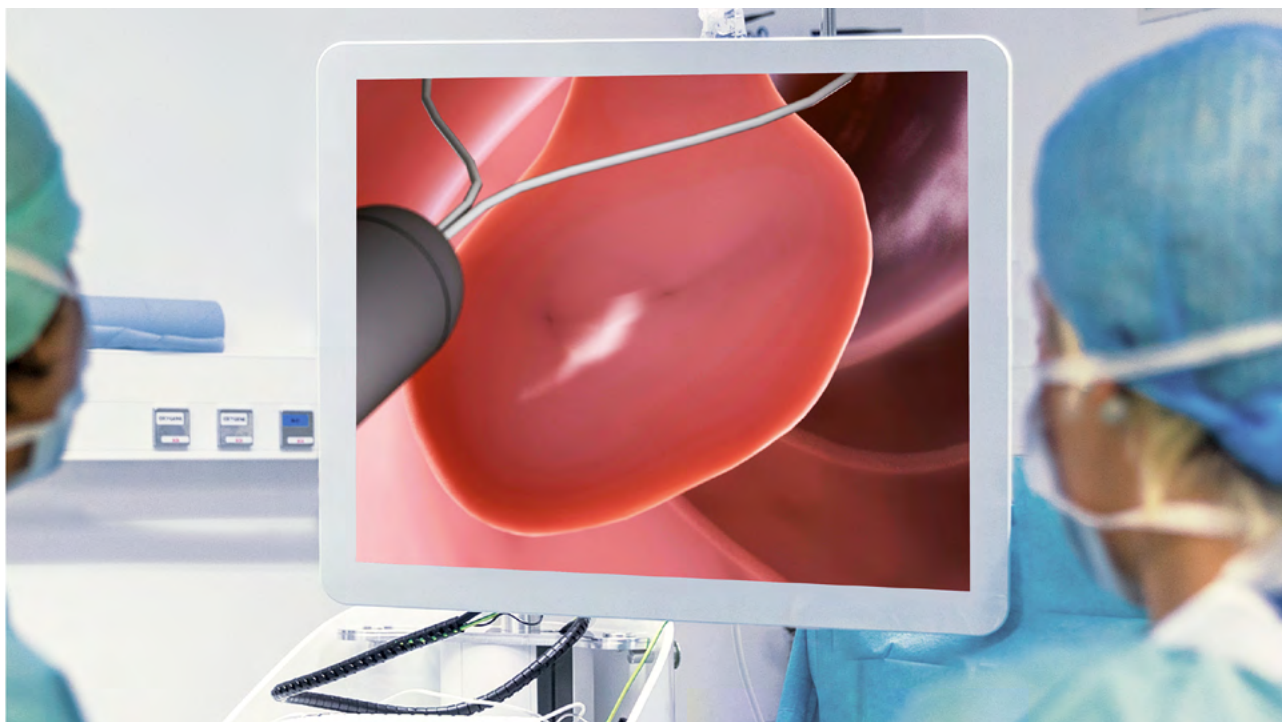
www.gatema.com/audiovisual-system

Apollon

Produced by Gatema Medical, Apollon is a complex audiovisual system for surgical visualization and videomanagement, integrating a wide range of medical equipment and peripheral systems in operating rooms. Its main functionalities are capturing, recording, archiving, routing, live streaming, parametrization, and further processing of multimedia data from surgical interventions. Easy connectivity to any type of video source such as endoscopic camera, surgical robot, surgical light, IP camera, microscope or C-arm, together with easy adaptability to hospital networks and capabilities of patient workflow, brings a lot of benefits to public hospitals and private clinics. High quality 4K resolution, real-time transmission and mobile availability of video provides hospitals with new dimensions of teaching medical students or remote consulting of doctors and enables analysis of difficult surgical interventions. Gatema company is certified in accordance with ISO 13485 and Apollon system is medically approved for use in healthcare environments.

Key benefits

- + Connectivity to any type of video signal
- + Modularity - simple configurations with easy upgrades



- + Simplicity - easy installation, operation and maintenance, intuitive GUI
- + Cost effectiveness - unique price/performance ratio
- + Flexibility for customized solutions
- + Adaptability to hospital networks
- + „Real-time“ transmission of video
- + Easy live streaming to mobile devices
- + Distant consulting of difficult interventions
- + Educational instruments for medical students
- + Analysis and debriefing performances +



export@cheiron.eu
www.cheiron.eu

Victoria

High performance solution designed particularly for operating rooms and liposuction.



- + Extremely silent run
- + 6 year warranty on the vacuum pump
- + Low maintenance requirements
- + Maintenance-free German vacuum pump
- + Designed for continuous run
- + Reliable and vibration-free run
- + Vacuum pump is cooled by extra fan

další fotky přes Úschovnu – já jejich soubory neotevřu, ale mají je označené buď Victoria nebo Dynamic.

Dynamic II

Compact modern device for effective suction, especially suitable for use in ordinations, sanatoriums and for home care (household care).



The piston pump guarantees high suction capacity (20l / min) and requires no maintenance. With the vacuum regulator, you operate the vacuum size in the range of 0 - 80 kPa. This value is monitored on the vacuum manometer.

The suction pump is with a 0.5; 1 or 2L polycarbonate collection container (bottle) equipped with a mechanism that prevents over-suction and with a suction filter MSF that prevents contamination of the area.

- + Innovative design
- + High suction performance
- + Small and light
- + Easy handling
- + Acceptable price +

OKCEL®

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The company Synthesia, a.s. is the original manufacturer of biodegradable, bioresorbable and biocompatible oxidized cellulose based haemostats marketed under OKCEL® trademark.



These professional haemostats are produced from extra-long staple cotton of the finest quality and are designed to control internal bleeding during a wide range of surgical procedures, including minimally invasive procedures.



Key OKCEL® products parameters

- + control of internal capillary, venous and minor arteriolar bleeding
- + haemostasis within 1.5 minutes
- + fast biodegradability (absorbed within 14 days)
- + 100% natural material
- + no allergic reactions
- + antimicrobial effect
- + superior post-surgical wound healing
- + easy (re)positioning on the tissue with no memory effect
- + easy handling
- + sophisticatedly designed packaging for easy opening with excellent protection against microbial penetration
- + wide portfolio range

EGO ZLÍN

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In 2020, the company developed a unique product to increase the safety of the neonatal patient during transport in the incubator. This vacuum

fixation device enables safe and comfortable fixation of the child, ensures immediate access to the child's torso and can also be used for transfer outside the incubator. The product has been certified according to valid European requirements.



Key features

- + Safe transport of the new-born
- + Absorbing shock and vibration of the ambulance



- + Thermal comfort of the new-born
- + Possibility of immediate access to the child's head, chest, limbs
- + Monitoring during transport and medication
- + Quick and easy activation
- + The possibility of X-raying the child

What we offer

- + Quality product with complete business service
- + Possibility to adapt the bag attachment for a specific type of the incubator and its testing in our development centre



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The company ProSpon is focused on the development, production and distribution of medical devices. It is holder of certificates IQNET, CQS, ISO 13 485 and, of course, CE certification for implant production of classes IIb and III. ProSpon is a Czech company, which was founded in 1992 and since then it is focused on the development, production and sale of medical



anterior cross-ligament, spinal fixators and others. The company specializes in 3D printed custom-made implants, mainly for oncology patients. Replacements for both large and small joints such as Vektor knee implant, hip implants, screws and plates for maxillofacial surgeries are also major. Furthermore, the company's strategy is to develop, manufacture and distribute high quality but affordable medical devices. The company has developed vast majority of the products that are currently produced. The research projects that ProSpon has completed are very well applied on determined target markets. R&D is also a priority part of the corporate strategy. **+**



devices and replacements for orthopaedics, traumatology and oncology. In addition, the company also manufactures external fixators, tools and implants for the reconstruction of the

