



BALANCED SPRING ARMS "SPR" / MZ LIBREC

Critical Care Units

CZECH

HEALTHCARE
SOLUTIONS



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

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SORELEX is wound dressing designed to speed up the healing process, remove wound slough and decrease exudate production. It is suitable for the healing of secreting, sloughy, infected, chronic and acute wounds. It contains

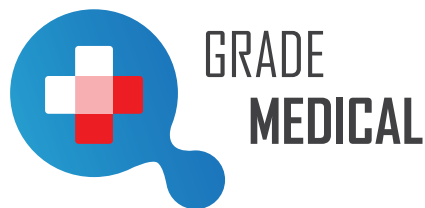


the antimicrobial component octendine and hyaluronic acid, which activates regeneration processes in the wound. Its complex effect provides a great environment for moist wound healing.

HYIODINE is an antimicrobial healing gel designed to speed up the healing of deep



wounds and remove infection. Due to the gel form and high safety, it is suitable especially for deep wounds after surgery, diabetic ulcers, fistulas, chronic wounds, acute complicated wounds, etc. Contains natural iodine which manages infection and impurities and hyaluronic acid, which activate natural regeneration processes in the wound. +



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As we have been involved in the research and development of nanotechnologies and antimicrobial sol-gels for a long time, we have used our existing know-how and development and production capacities to help as much as possible to combat the current coronavirus.

The results of our work is a newly developed StopBac fabric containing antimicrobial treatment.

We are able to offer two types of textile – StopBac and StopBac Nano.



The StopBac textile is a meltblown type fabric with the ability to capture 97 % of particles with a size between 0.1 – 1 micron. We modify this fabric by coating it with our patented StopBac sol-gel containing silver nanoparticles using spray atomization technology. The silver nanoparticles act antimicrobial, with the sol-gel having a tested antimicrobial activity of 99.99 % of all existing bacteria.

The modified StopBac fabric therefore not only achieves high filtration efficiency but by means of antimicrobial additives also preventively contributes to the protection against infectious diseases and overall to improvement of the hygienic environment.

Besides the first generation, we have developed also the second generation called StopBac Nano, which contains nano fibers from one side of the textile. StopBac Nano is composed from: nano fibers – meltblown – modification by sol with silver nanoparticles. It provides even better filtration capabilities.

We are also prepared to provide the final cutted filters from both of these textiles in sizes 10 x 15 cm or circle design with a diameter of 8 cm. ➦



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Pulse generators for the heart stimulation

- ➦ Biphase 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

Biphase 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. ➦



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LINET is a major European manufacturer of hospital and nursing beds. The company's portfolio includes solutions designed for intensive care, products for regular in-bed treatment and also special beds for old people's homes and long-term care facilities. The LINET range also includes a wide range of accessories such as anti-pressure ulcer mattresses, mobile equipment, healthcare furniture, etc.



Intensive care beds:

Eleganza 4 and Multicare

intensive care and therapy beds – ideal solution for the demanding special requirements of critically ill, patients on ventilators, helping to minimize the risks associated with caring for these high acuity patients.

Transport stretchers:

Sprint 100

more than a mere stretcher, it has a wide range of innovative features that allow for fast



LINET works intensively on developing such products in collaboration with healthcare professionals and respected experts in various scientific fields, enabling the firm to keep abreast of new trends in the area of medical care.

Universal and acute care beds:

Eleganza 1 and Eleganza 2

fully adjustable electric beds designed for standard hospital wards, long-term care units and acute care with great value for money, moving the quality of provided care to a higher level.





resuscitation and short-term hospitalization. Every aspect has been designed to meet the challenging conditions of emergency medicine, including immediate life-saving measures and patient comfort. ➤



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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.



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.



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. ➤





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Danis Stent

ELLA-CS developed and manufactures **worldwide unique** type of implant - the **Danis stent**, which stops acute or refractory bleeding from oesophageal varices. The stent can be implanted without X-rays, potentially even without endoscopy, and allows the patient to be released early from the ICU. The Danis Stent also allows the patient to drink and eat. It can stay inside the patient for up to 7 days.



Danis stent is available in two versions – the Basic pack, which is intended for generally equipped ICUs and emergency units, and the Danis Procedure Pack, which is a complete set of equipment necessary for saving the bleeding patient right at the place.



Ella Extractor

ELLA-CS has also developed a unique **ELLA Extractor** - a patient- friendly tool for easy and safe removal of the implanted stent from the oesophagus and also for removal of the stents that migrated into stomach.



GIT stents portfolio

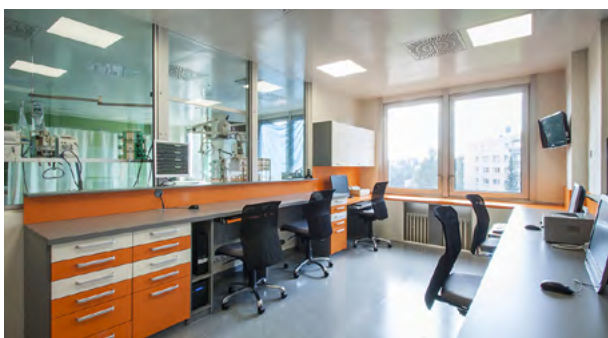
Currently, the company has a portfolio of **three globally unique products** – Danis stent, ELLA Extractor and biodegradable BD Stent for management of refractory benign esophageal stenosis. The BD stent dissolves completely within approximately 3 months and does



not need to be removed like metallic stents. ELLA-CS also produces stents for other GIT parts and indications – esophageal, biliary, pyloroduodenal and colonic. ➡



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EP Rožnov, a.s. offers full spectrum of services in operating theatres, ICUs, ARUs, laboratories, specialized workplaces and clinics 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 Intensive Care Units, 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. +



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Flidr medical s.r.o. is a recognized Czech manufacturer and supplier of reliable medical equipment. For intensive care units, it offers ceiling bridges and ceiling arms. All medical equipment supplied meets strict requirements and regulations for placing on the market.

Ceiling bridges (SM-P and SM-Z)

- + 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

Ceiling arms (SR)

- ✚ 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 ✚



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LASAK s.r.o. is a research-oriented medical technology company, established in 1991 in Prague, Czech Republic. The mission of the company is the development, production and sale of innovative healthcare products. Currently LASAK is the



leading Czech company in the field of dental implantology and bone tissue regeneration. Over 25 years, the research and development of bioactive materials for bone-tissue replacement has been carried out systematically at LASAK in co-operation with universities, research institutes and major clinics in the Czech Republic and abroad. Results of the research have then been used in the development of new products, which successfully entered the market. These products are now widely used in clinical practice, especially in the fields of dental implantology, maxillofacial surgery, orthopedics, neurosurgery, as well as in other fields. An important product line consists of resorbable

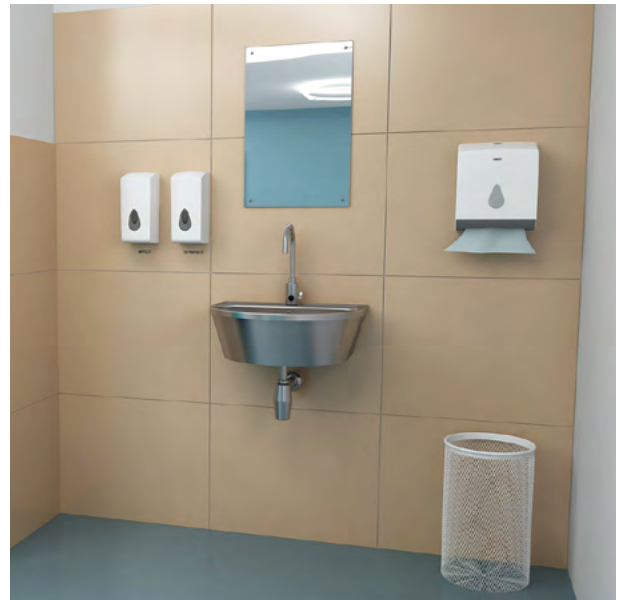


and nonresorbable materials for bone regeneration, under the brands PORESORB-TCP and OssaBase-HA. Significant progress has been achieved by the development of surface treated bioactive titanium, which exhibits unique properties enabling faster, safer and more predictable implant healing. This new biomaterial has been successfully used in the production of dental (BioniQ and IMPLADENT) and spinal (IMPLASPIN) titanium implants. ✚

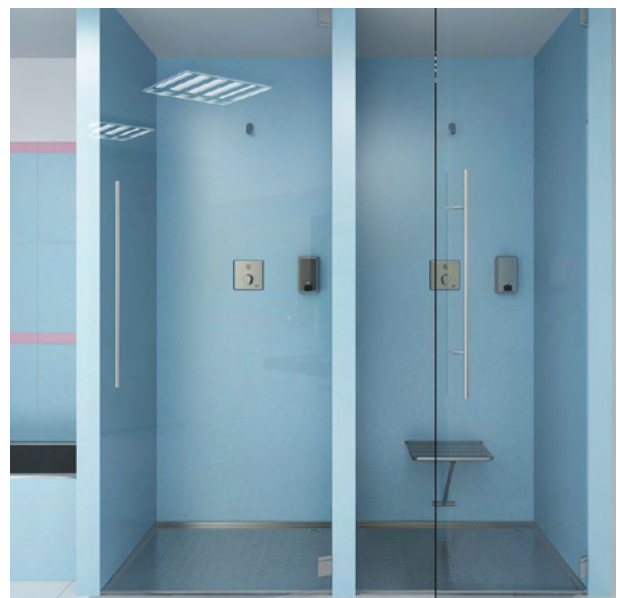
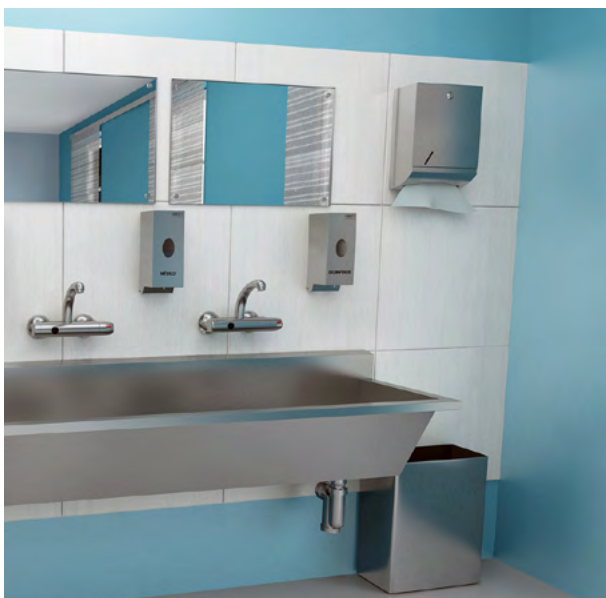


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Our company, as a leading producer of sanitary electronics in Czech Republic, offers wide range of automatic sanitary equipment to the hospitals and stainless-steel products as well.



- + Shower control with thermostatic mixer
- + Automatic soap and disinfection
- + Shower head
- + Stainless steel folding chair
- + Stainless steel shower trays
- + Automatic washbasin taps
- + Automatic toilet flushing units
- + Automatic wall-mounted thermostatic mixer
- + Waste bins
- + Mirrors
- + Stainless steel toilets and urinals
- + Stainless steel toilet accessories
- + Supply bin for paper towel and toilet paper
- + Stainless steel washbasins and wash troughs +





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www.zat.cz/en/medical-devices.htm

Ozosmart

Ozosmart is an active multifunctional therapeutic medical device intended for application of ozone in the clinic and outpatient practice of health care facilities and it represents **the latest response to the requirements of modern ozone therapy**. The device supports all currently used applications of ozone. **Ozone therapy is successfully applied for treatment of covid-19.**



Ozosmart provides a wide range of ozone therapy spectrum

- + Major autohemotherapy
- + Minor autohemotherapy
- + Sampling for IM (Intra Muscular application)
- + Sampling for R/V Ins. (Rectal /Vaginal Insufflation)
- + Vacuum function
- + Ozonisation of liquids

Ozone benefits

- + Antioxidant
- + Improves circulation
- + Pain reliever
- + Anti-inflammatory effects
- + Germicide (bacteria, viruses, fungi)
- + Immune system stimulant
- + Improves tissue oxygenation

Mobile and ergonomically and dimensionally compact solution.

Touch display (intuitive control for users).

Several possibilities for setup regarding response to clients' individual requirements.

Smart feedback on measurement of ozone concentration in space around.

Sophisticated control of nozzle flow. ↴

