WIEJAK med

RANGE OF PRODUCTS FOR MEDICAL SECTOR

TECHNICAL CATALOGUE

WIEJAK-MED PRODUCTS STANDARD FOR DEMANDING CUSTOMERS

CONTENTS:

This catalogue presents the portfolio of the equipment for medical facilities including wall and ceiling panels for operating theatres, specialist doors, medical furniture, hygienic appliances etc. It provides technical data, preparation and installation instructions.

ABOUT US

We are a family firm existing on the market since 1982. Wiejak-Med as one of Wiejak firm's departments determines a range of products intended for medical facilities. We are proud that our technology, knowledge and enthusiasm have enabled to create an assortment group of the highest quality standards appreciated by domestic and foreign customers. The assets such as company's operations based on ISO standards or inner quality control allow us to provide the highest quality of our products. Currently possessed knowledge, experience and machinery put us in position of one of the leaders in the production of panels for specialized medical facilities.

MODULAR SYSTEMS FOR OPERATING THEATRES

The system of wall and ceiling panels is designed for installation in operating theatres, operatories and other rooms requiring high hygienic and sanitary standards to be maintained.

The entire system is constructed based on precise measurements of the room, taking into consideration the corners, wall joints, door openings, arrangement of utility systems and other items, such as furniture, etc. The panels are installed on a substructure made of quality galvanised sections.

Main strengths of the system:

- Short installation time,
- Easy cleaning and disinfection of rooms,
- Easy installation of utilities and equipment underneath the panels,
- he wall can be quickly disassembled to retrofit or for maintenance of the utility systems,
- High mechanical strength,
- Optional rounding of walls – such points are much easier to keep clean,
- Installation flexibility: new blocks, upgrade of old blocks,
- Seamless integration with special touchless doors, pass throughs, recessed cabinets.

The panels are made of materials suited to the Customers' needs. We offer:

- AISI 304 acid-resistant steel (wet or dry-polished 4N grade, granulation 180-240),
- AISI 304 acid-resistant steel painted to the colour of choice (RAL),
- galvanised steel painted to any RAL colour,
- optional finishing with silver-ion paint for antibacterical surface protection.

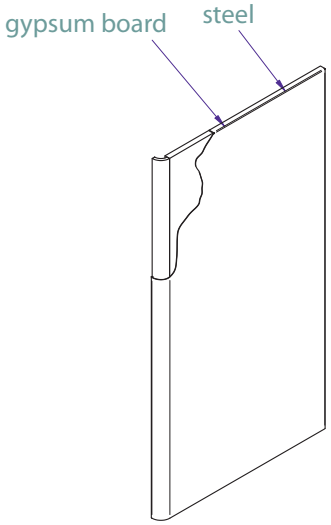


Fig. 1 Design of a single panel with rounding

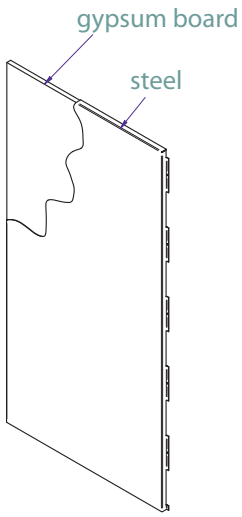


Fig. 2. Design of a single straight panel.

WALL AND CEILING SUBSTRUCTURE

The wall panels are mounted on quality galvanised steel channel sections. Our specially designed lower U-section is fixed to the floor with galvanised anchor bolts to form the base of a rounded floor covering corner at the wall-floor interface. Our C-sections for wall installation, which also made from galvanised steel, are mounted on flat hangers fixed to the wall with galvanised steel anchor bolts.

The ceiling panels are mounted to the clip-in system substructure dedicated to clean rooms. The system includes load-bearing girders mounted to the structural floor with stud bolts allowing height adjustment, circumferential channel bar of galvanised steel with a set of locking clips, cross unions to connect the load-bearing girders with guide girders and the guide girders into which the ceiling panels are pressed in.

WALL PANELS

WALL PANELS

The structure comprises 1 mm thick, specially profiled acid-resistant or galvanised plate, with the top and bottom of a panel bent backwards, and the panels sides are specially bent to the shape of the letter Z, with perforation for easier installation on or removal from the system substructure.

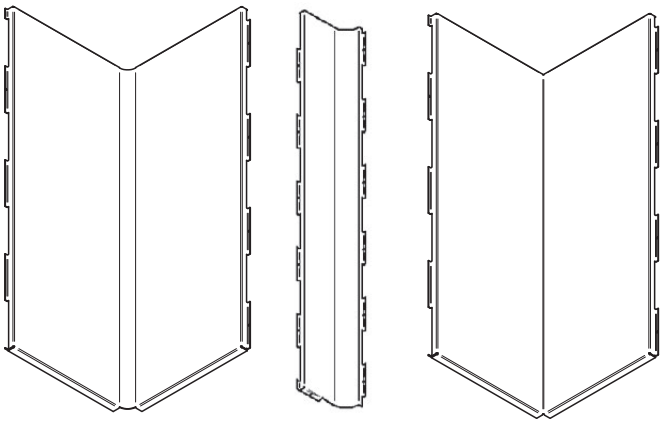


Fig. 3. Types of corner joints between panels – rounded (option) and straight (standard).

Straight corner joint is offered as a standard.

Panel filling – 12.5 mm thick gypsum board
Total panel thickness: 17 mm
Thickness off glass panel: 23 mm

The panels are joined with a 6 mm wide gap which is filled with special bactericidal silicone seal.

Where necessary, the panels have holes made to allow installation of electrical appliances, water and sewage
fittings etc.

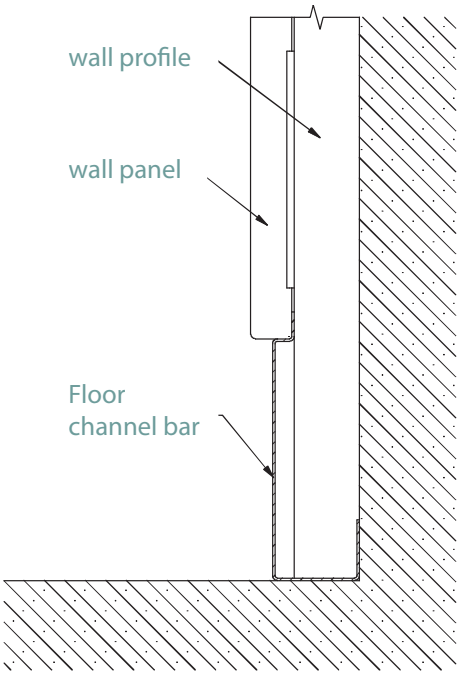
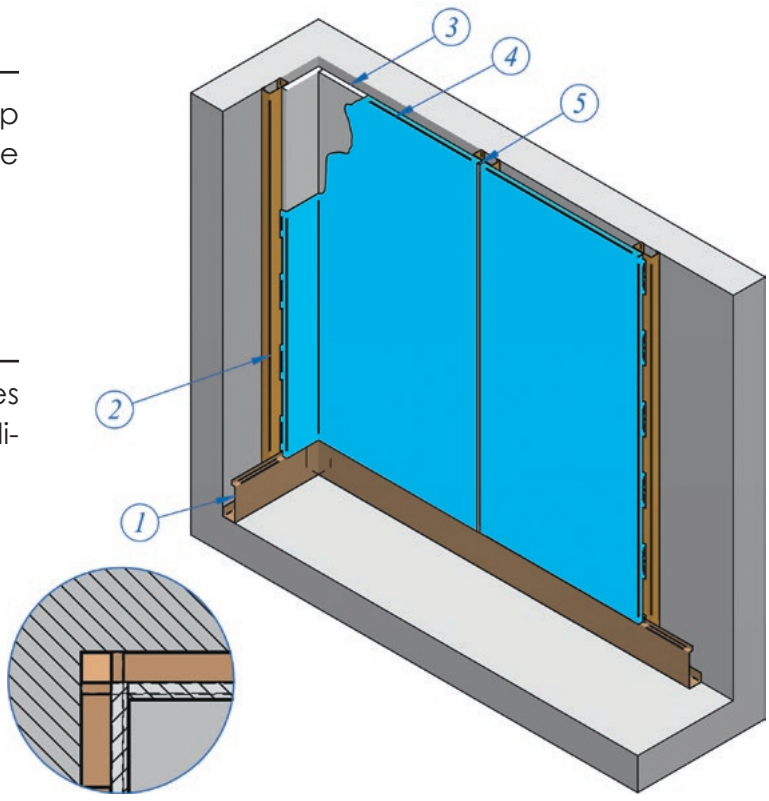


Fig. 4. Installation at the floor



Corner piece – top view

1 – U-profile, galvanised steel, fixed with galvanised steel anchor bolts

2 – C-profile, galvanised steel, fixed with galvanised steel anchor bolts

3 – panel filling: gypsum board, mineral wool or polypropylene

4 – panel surface: 1.4301 grade acid-resistant or galvanised steel

5 – seal – silicone profile

Fig. 5. Panel installation on the wall

Installation involves overlapping the perforated parts of the panels for easy screwing to the sections. A trapezoid shaped gap is formed with a width about 6 mm, which is filled with a special silicone seal with bactericidal properties.

Standard joining of wall and ceiling panels at a right angle, with the joint gap filled with anti-bacterical silicone. Corner panels are sound-proofed by special mat bonded inside the panels. The entire system forms a uniform surface which is easy to keep clean and disinfect and is very durable at the same time.

The structure allows easy installation of utilities behind the panels and easy removal for retrofitting or maintenance.

Optionally, convex, concave and rounded corner panels for the wall-ceiling connection can be made by single bending, thus avoiding joints in wall corners (the corner panels fit together with the wall and ceiling ones, the joint is filled with silicone seal) for improved hygiene of the room.

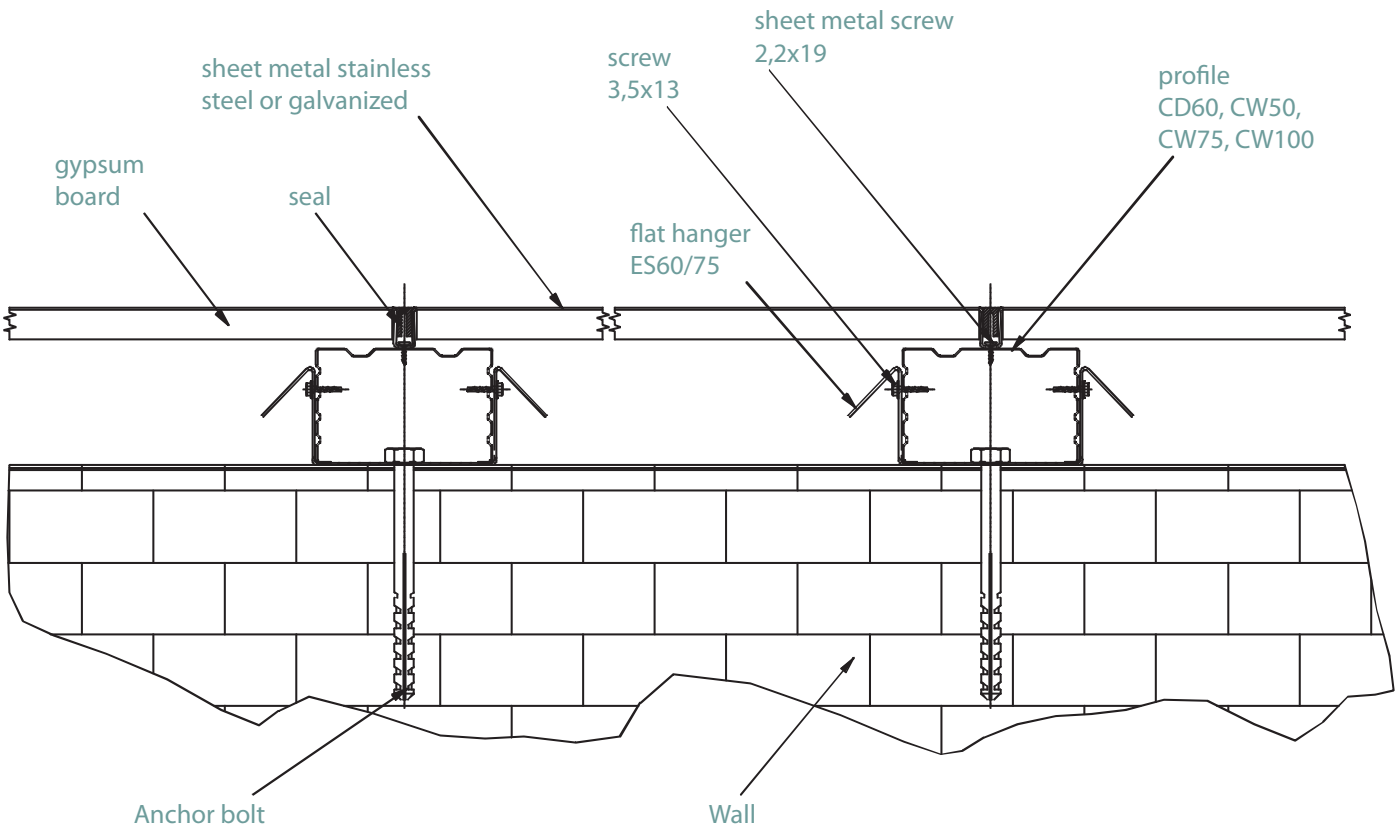


Fig. 6. Panel installation on the wall

Maximum dimensions of a single wall panel:
Width 1450 mm
Height 3950 mm

STAINLESS STEEL PANELS

Panels are made of AISI 304 acid-resistant steel grade (4N wet or dry grit, granulation 180-240). Optionally, the panels can be painted in any colour from the RAL palette.

GALVANISED STEEL PANELS

Panels are made of galvanised steel painted to any colour from RAL palette. It is possible to paint panels with anti-bacterial paint.

GLASS PANELS

Panels are made of high-quality tempered glass. They ensure aesthetic qualities - they are available in the colours of Colorimo's glass palette and can also present any graphics.

MIXED PANELS

Wiejak-Med offers 3 types of medical panels: stainless steel, zinc coated and glass panels. All types can be freely combined according to customer's needs.

CEILING PANELS

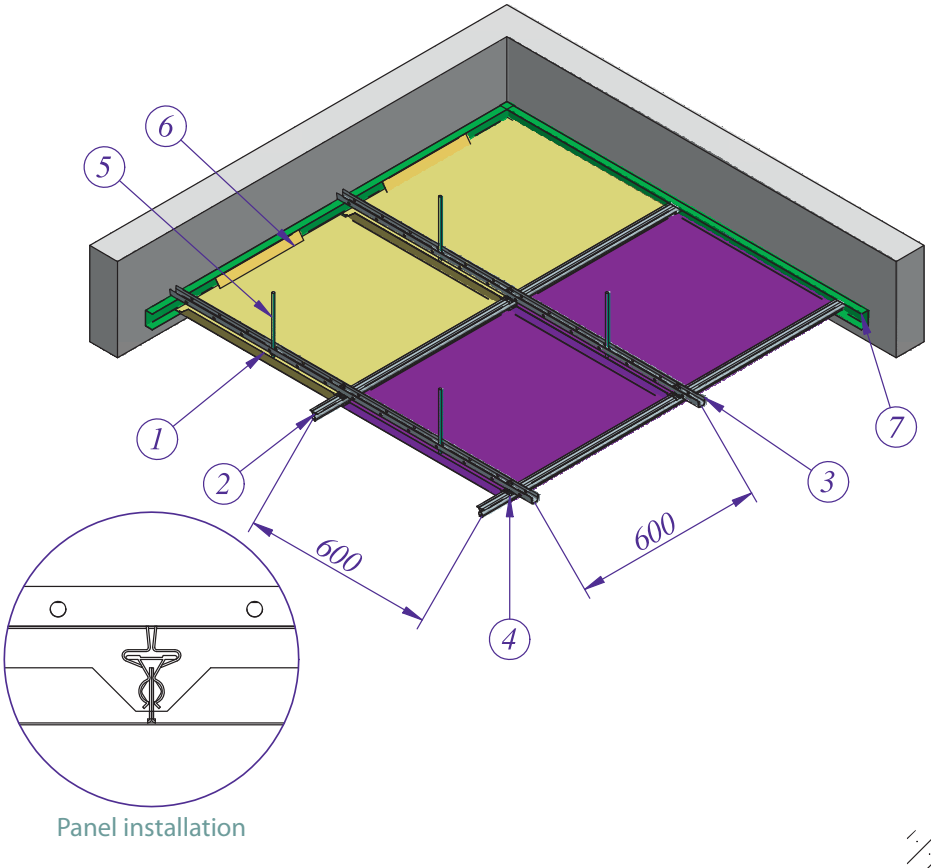
CEILING PANELS

Ceiling panels are manufactured in standard dimensions 600 x 600 mm.

Surfacing according to Customer's design:
- AISI 304 (1.4301) acid-resistant steel,
- galvanised steel, painted to white RAL 9010,
- galvanised steel painted to any RAL colour.

Sheet metal thickness on ceiling panels:
- 0,8 mm acid-resistant steel,
- 0,75 mm galvanised steel.

Easy clip-in installation system dedicated specifically for clean room environments allows removing of any single panels. Ceiling height can be adjusted. Joints between ceiling panels are sealed with special bactericidal silicone.



Panel installation

Standard ceiling panel size 600x600 mm

1 – Panel 600x600: stainless steel AISI 304 or galvanized

2 – guide girder

3 – load bearing girder

4 – union

5 – M8 stud bolt

6 – clips for mounting cut panels

7 – channel bar

Fig. 7. Panel installation on the ceiling

The entire ceiling system makes a uniform addition to the wall system installed, forming a tight and hygienic structure.

See the standard joining method of wall and ceiling panels below.

Optional:
rounded wall-ceiling joint

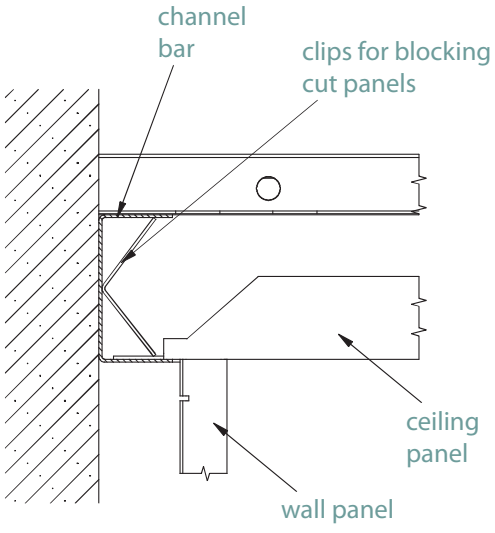
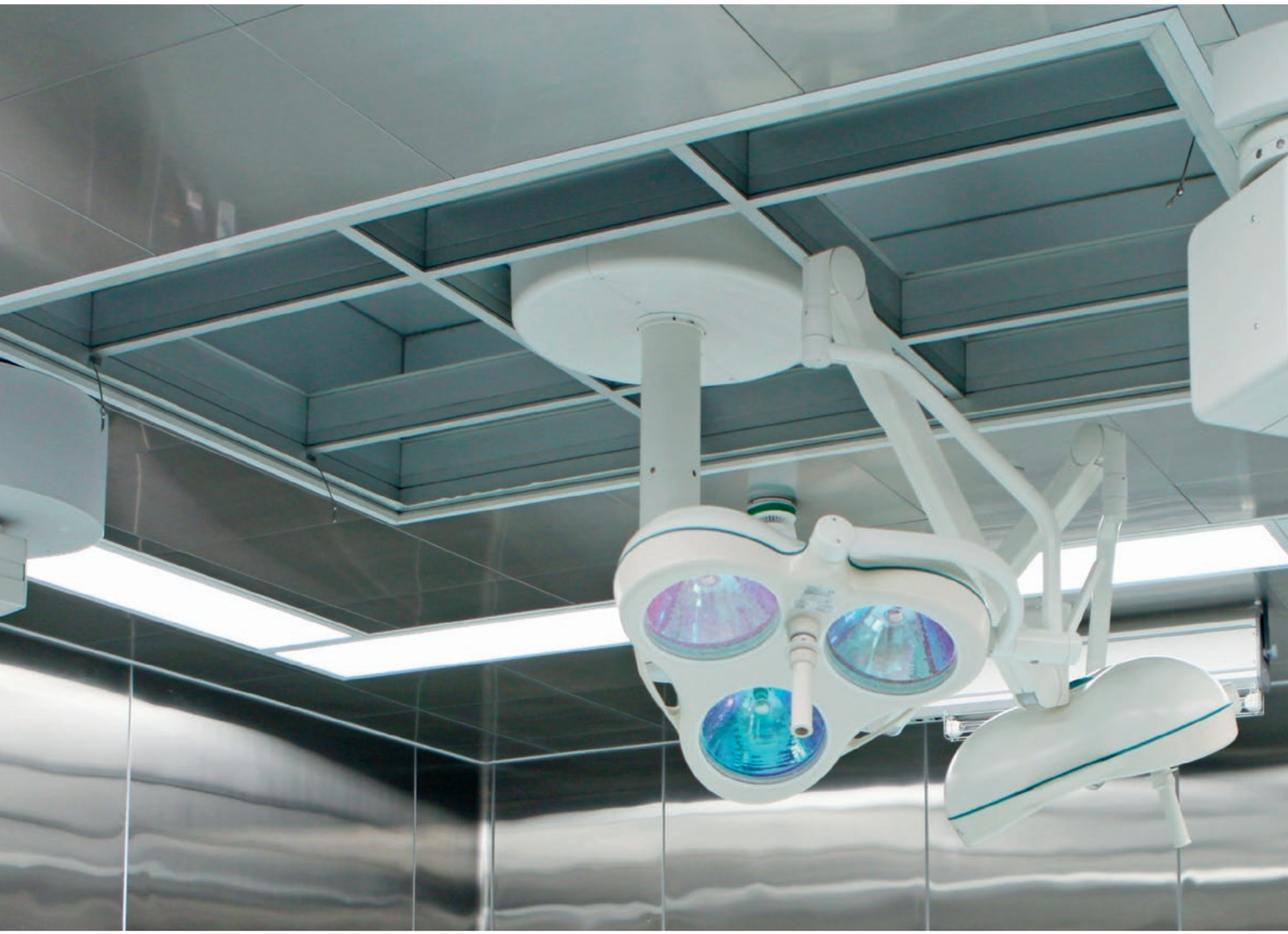


Fig. 8. Panel installation at the ceiling-wall interface



LAMINAR CEILING

WMSL laminar ceiling is a technically advanced solution consisting in a ceiling installation of ventilators with a large surface area, providing the entire room or its part (the so-called protected space) with a high purity and appropriate physical parameters, with a low degree of turbulence and elimination of pollutants emitted in the room.

HEPA absolute filters used in WMSL laminar ceiling ensure filtration of supplied air at the level of 99.95% (H13 class filters) or even 99.995% (H14 class filters).

MATERIALS AND DESIGN

Depending on the configuration, the WMSL laminar ceiling is made of stainless steel (grade 1.4301) or galvanised steel painted with a paint with antibacterial properties. The steel construction in the form of a welded pressure box ensures solidity and air tightness, facilitates assembly and guarantees resistance to corrosion and disinfectants.

In the central point of the ceiling structure there is a separate channel for mounting the lamp stand above the operating field.

The WMSL laminar ceiling is made of tightly connected modules with standard dimensions of 650x650 mm. However, after prior consultation with the manufacturer, it is possible to build the ceiling of modules of different dimensions corresponding to the requirements of the design.

HEPA absolute filters are embedded in sockets built into the modules, which are additionally equipped with handles that press the filters to ensure tightness. Easy disassembly of perforated module covers makes the absolute filters replacement, if any, a simple and quick task in execution.

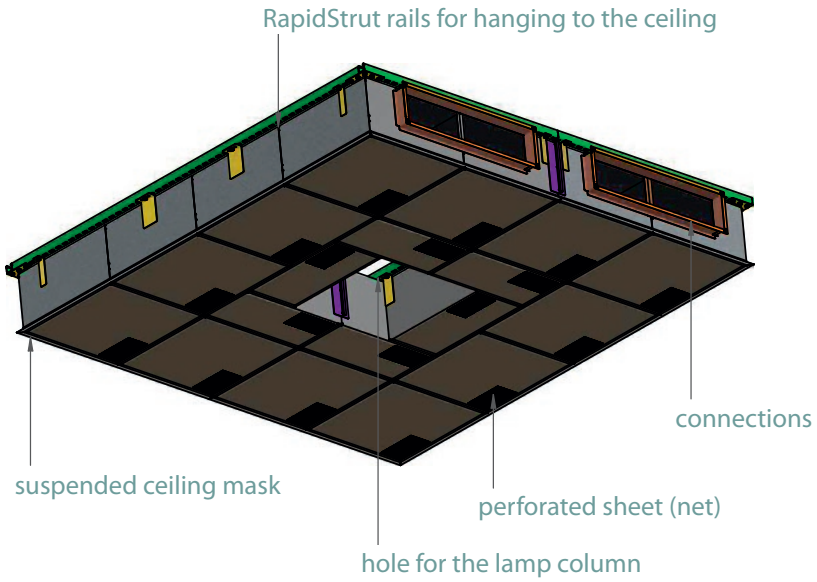
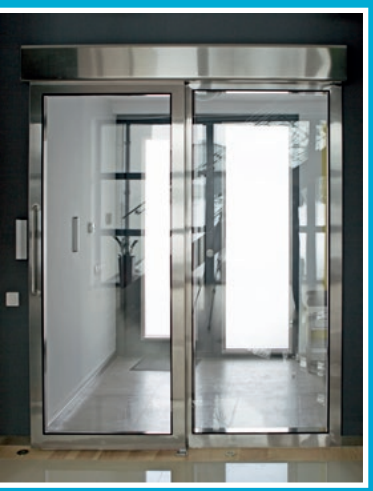


Fig. 9. Construction of laminar ceiling

DIMENSIONS AND CONFIGURATION

The surface of the laminar ceiling is determined by the area of the protected space, including the operating table and its immediate environment in which the operating team works. Since operating theatres are often used to perform various types of treatments, it is recommended that the minimum ceiling area be 3x3 m. Construction of laminar ceiling allows for any modification of modules, thus, the ceiling dimensions, arrangement of individual modules and the location of the lamp above the operating field can be freely modified at the customer's request.

MEDICAL DOORS



Acid-resistant steel is a material we have been experienced with for 15 years. Specialised door is the basis activity of Wiejak company. We produced the first door for our own purpose, for our own butcher's plant already in the 90's. Since then, our shop released thousands of doors manufactured on individual orders.

Throughout the years we have modernised the machine park and introduced unique technical solutions, failure-free operation for many years. Under the trademark of WIEJAK-MED we have created a range of products for health care facilities and pharmaceutical companies. Our medical door had been appreciated by many Polish and foreign clients.

DOOR AND FRAME STRUCTURE

We are prepared to meet any production requirements, our doors may be made in many variants, adequately to the needs of the given client or architect's recommendation.

- Door without rebate.
- Door with internal reinforcement at the bottom of the door leafs.
- Door with lead insert, reinforced adequately to the insert thickness.
- Surface-mounted acid-resistant frames (frontal or side assembly).
- Flush-mounted acid-resistant frames (frontal or side assembly).
- Optionally, through type door frames for any wall thickness, manufactured separately for each door niche.

MATERIALS

For the manufacture of our door we use only the best material grades. As opposed to other products on the market, in our acid-resistant doors there are no elements made of aluminium or galvanised steel. ATTENTION! In all doors (acid-resistant or coated steel), even the reinforcements inside the door leafs are made of stainless steel 304! Each single bolt, washer or rivet are also made of high-grade materials.

INSULATION

We possess 3 specially designed moulds with a special system of filling the door leafs.
The moulds are constructed on special joints. At the filling of the door leafs, the foam freely flows down the inclined plane and it does not form any empty spaces inside the leaf while foaming. The filling density is ca. 50 kg/m^3. Upon client's request, the bottom of the door leaf may be reinforced at the bottom by means of fitting of a special hard insert inside the door leaf.

DOOR TYPES

We offer comprehensive solutions suited to the needs of most healthcare institutions:

- Hinged medical doors
- Sliding medical doors
- Hermetic medical doors
- X-RAY doors
- Medical office doors

HINGED MEDICAL DOORS

EXECUTION:
- acid-resistant steel 304 AISI brushed or smooth
- zinc-coated steel, lacquered with any color from RAL palette

DOOR WING:
- the surface of door wing equal to the surface of door frame
- stainless steel hinges and bottom lowering gasket
- thickness of door wing 42 mm
- doors thermally and acoustically isolated with high-pressured polyurethane foam which additionally strengthens the construction of door wing
- doors standardly without threshold
- dimensions according to client's needs

DESTINATION:
- doors intended for clean rooms, laboratories, operations rooms etc.

ADDITIONAL OPTIONS:
- PHARMA window, round (diameter 50 cm) or rectangular (250x500 mm, 400x600 mm) – double safety glass with surface fitted on both sides to the surface of the door wing
- door closers
- electrolock
- stainless steel bottom cover (for painted doors)
- fully covering frame

OPTIONAL AUTOMATICS:

Medical hinged doors can be retrofitted with automation by WIEJAK-MED or other manufacturer (e. g. GEZE), depending on the client's preferences. The drives are very silent and durable and ensure very hygienic and comfortable work in special areas.

ACTIVATORS:
- elbow activator – standard
- distance sensors – option
- knee switches – option

ADDITIONAL OPTIONS:
- optical battery (option for self-closing doors)
- automatic closing after time
- locking system
- locking system connected with light
- locking system of group of doors
- information lamp „operation"
- key-lock or access control system

HINGED MEDICAL DOORS

SLIDING MEDICAL DOORS

EXECUTION:
- acid-resistant steel 304 AISI brushed or smooth
- zinc-coated steel, lacquered with any color from RAL palette

DOOR WING:
- 37 mm door wing with fully closed construction
- aluminium slide-way system with stainless cover or tightening stainless system (construction causes falling and tightening of the door wing)
- door acoustically and thermally isolated with highly pressured polyurethane foam (50 kg / 1 qm) additionally strengthening construction of the door wing
- door without threshold
- any dimensions, according to clients' needs

DOOR FRAME:
- angle frame ensures the best installation
- aesthetic white silicone gasket places in a frame hole

DESTINATION:
- doors intended for clean rooms, laboratories, operations rooms etc.

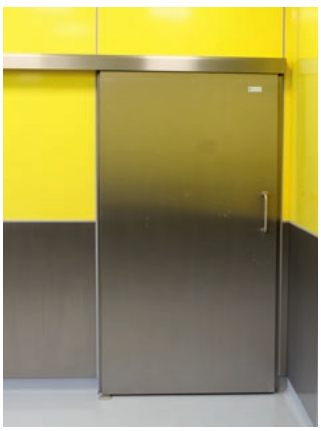
ADDITIONAL OPTIONS:
- PHARMA window, round (diameter 50 cm) or rectangular (250x500 mm, 400x600 mm) – double safety glass with surface fitted on both sides to the surface of the door wing
- tightening slide-way system
- stainless steel bottom cover (for painted doors)
- fully covering frame

OPTIONAL AUTOMATICS:
Medical sliding doors can be retrofitted with automation by WIEJAK-MED or other manufacturer (e. g. GEZE), depending on the client's preferences. The drive can be installed on external or internal side of the room. The drives are very silent and durable and ensure very hygienic and comfortable work in special areas.

ACTIVATORS:
- elbow activator – standard
- distance sensors – option
- knee switches – option

ADDITIONAL OPTIONS:
- optical battery (option for self-closing doors)
- automatic closing after time
- locking system
- locking system connected with light
- locking system of group of doors
- information lamp „operation"

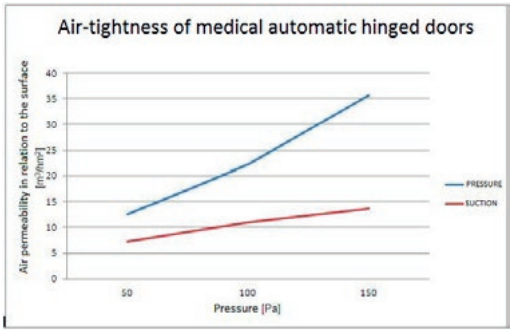
SLIDING MEDICAL DOORS

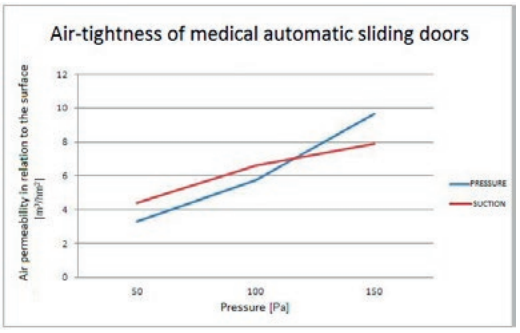


HERMETIC MEDICAL DOORS

Medical hermetic doors are dedicated for laboratories, operating rooms, clean rooms or for the pharmaceutical industry. They prevent the exchange of internal and external air.

Hinged hermetic doors are equipped with a special gasket system that caulking the door leaf after closing. The hermeticity of the sliding door is the result of the sealing system that lowers the door leaf after its closing.





Hermetic doors meet the high requirements for increased air-tightness, documented in report No. LK00-2474/11/Z00 NK from the research conducted in the Laboratory of Structures and Building Elements of the Building Research Institute in Warsaw. Below are graphs showing the results of these tests.

MEDICAL DOORS WITH X-RAY PROTECTION

EXECUTION:
- acid-resistant steel 304 AISI brushed or smooth
- zinc-coated steel, lacquered with any color from RAL palette

CHARACTERISTICS:
- hinged or sliding door, automatic or hand operated
- door wing and door frame with a lead insertion
- dimensions according to settlements of costumers
- thickness of insertion determined by parameters of radiation emitter e.g.: 0,5 mm, 1 mm, 2 mm, etc.

DESTINATION:
- doors intended for rooms where radiological protection is required i.e.: X-RAY rooms, magnetic resonance, computer tomography, etc.

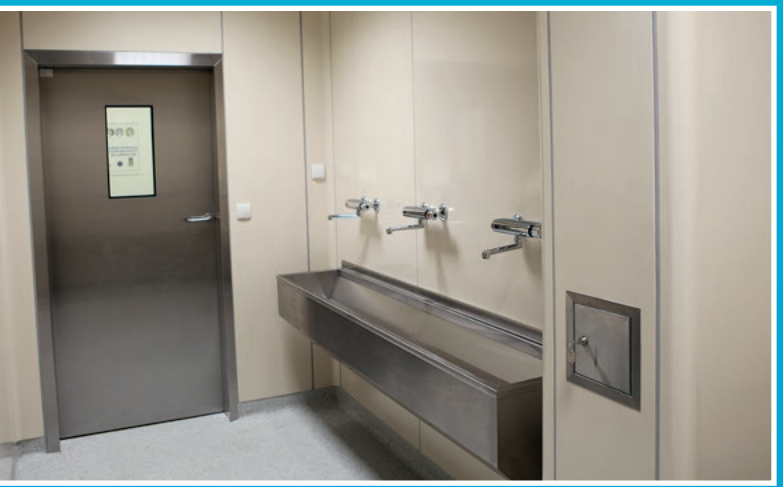
ADDITIONAL OPTIONS:
- leaded glass window (thickness defined in relation to the thickness of lead insertion)

MEDICAL OFFICE DOORS

Medical office doors are designed in cooperation with clients and architects, based on their individual needs and requirements. We take into account such parameters as:

- dimensions, form and manufacturing methods of door frames,
- types of materials,
- size and type of pharma glazing – aligned with the door panel, easy to keep clean and without dust-collecting edges,
- hinge finishing (sand blasted, brushed),
- optional bottom seal,
- lock type,
- shape of the handle.

SURGICAL WASHES AND SCRUB SINKS



SURGICAL SCRUB SINKS

Surgical sinks and scrub units manufactured by our company are made completely of AISI 304 polished acid-resistant stainless steel (also known as PN 0H18N9, 1.4301). This steel grade guarantees an attractive design, long and trouble-free use and facilitates cleaning.

Those products are used primarily in areas for doctor and patient preparation and in all applications requiring highest hygienic standards to be maintained. All edges are safe.
As a standard, we offer sinks and scrub units with one, two or three wash places, as suspended and standalone structures.

STANDARD LENGTHS OF SURGICAL SINKS AND SCRUB UNITS:

- 800 mm,
- 1600 mm,
- 2300 mm

Sink trap, mounting strip and expansion bolts are included.

The scrub units and sinks can be operated in three ways (optionally):

1. with a photocell installed in the back panel or the front wall
2. knee-operated tap
3. elbow-operated medical tap with extended leve

OTHER ACCESSORIES CAN BE PROVIDED:

- Elbow-operated dispenser for soap or disinfectant
- Hand-operated dispenser for soap or disinfectant
- Automatic dispenser for soap or disinfectant
- Paper dispenser
- Surgical brush dispenser
- surgical scrub brushes for washing hands
- Mirror

WINDOWS

We offer fixed and sash view windows. The products are made to dimensions according to the customer's specification.

The window pane is installed in a frame made of acid-resistant steel, polished or painted to the colour of choice.

In addition to standard safety glass, we can optionally propose installation of special lead glass.

The frame structure, in this case, is protected with lead to help protect against penetration of radiation. Thickness of the lead inlay and of the corresponding glass is specified by the design of fixed shrouds, prepared by a special design office, and depends on the power output of the device that generates the radiation.

The windows can be equipped with window sills or sills integrated with worktops.

APPLICATIONS OF X-RAY PROTECTIVE WINDOWS:

- View windows and insulating glazing for X-ray rooms
- Screens for medical diagnostics
- Protective glass in laboratories

The maximum size of a single X-ray window is limited to the maximum available size of lead glass. By joining glass panes with vertical or horizontal muntin bars, the windows can be dimensioned according to the project needs.

PASS-BOXES

The pass-boxes serve to ensure the full protection control of the product or personnel that move between the zones with the different cleanliness classes. This ensures the fulfilment of strict GMP and GLP requirements on the maintenance of the high-quality product or tests. The pass-boxes are used mainly in situations where there is a risk of the uncontrolled ingress of contamination to the rooms of the higher cleanliness class. These products are the perfect solution improving the ergonomics recommended mainly in the operating theatre where the personnel can pass materials and tools from the clean zone without having to leave it.

The pass-box consists of 2 small pass windows installed in the partition walls between the rooms with the different cleanliness classes or different pressures. This ensures the safe and quick transfer of the materials, tools or samples, minimising the risk of contamination and limiting the time of their transport (the personnel moving between the zones with the different cleanliness classes have not to change clothing).

The pass box prevents the air penetration between the rooms due to the synchronised door opening sequence system on both sides of the wall and the electronic interlock preventing the opening of both sides at the same time.

MEDICAL CABINETS

Our medical cabinets are constructed with brushed acid-resistant steel. They are made with double walls to guarantee attractive design and high hygiene standard.

We have a series of standard furniture and cabinets available, but our production focuses mostly on making tailor-made furniture, suited to an individual laboratory, operating theatre or operatory.

An advantage of our medical cabinets is that they can be integrated with our panelling system. With such design all parts of an operating theatre are well matched together for easier disinfection and improved hygiene.

LIGHT FITTINGS "HELIOS"

HELIOS is a specialized luminaire designed for use in clean rooms providing soft, shade and diffused light.

Standard luminaires are made of white powder coated steel sheet, PMMA diffusing milk glass or microprismatics diffuser, equipped with an integrated sequential power supply with LED source and DALI control system (also as standard). As an option, we can equip it with an antibacterial coating. Installation of the luminaire is designed for cleanroom ceilings with the CLIP-IN latching system.

LUMINAIRES ARE AVAILABLE IN FOUR DIMENSIONS:

- standard 600x600 mm and 1200x600 mm,
- slim 120x600 mm and 120x1200 mm (NEW – luminaires can be used as perimeter lighting in the halls where it is required to shade an operating field).

LUMINAIRE PARAMETERS AS STANDARD:

- power supply voltage: 220 – 240 VAC
- protection class: I
- IP protection degree: IP65
- operating temperature: 0 – +35 oC
- environmental humidity: 20% – 80%
- a service life of LED: 100 000 h
- colour rendering index (CRI): Ra ≥ 90
- colour temperature: 4000 K

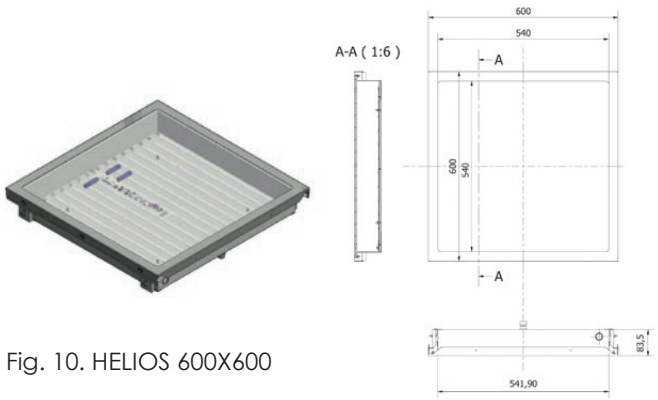


Fig. 10. HELIOS 600X600

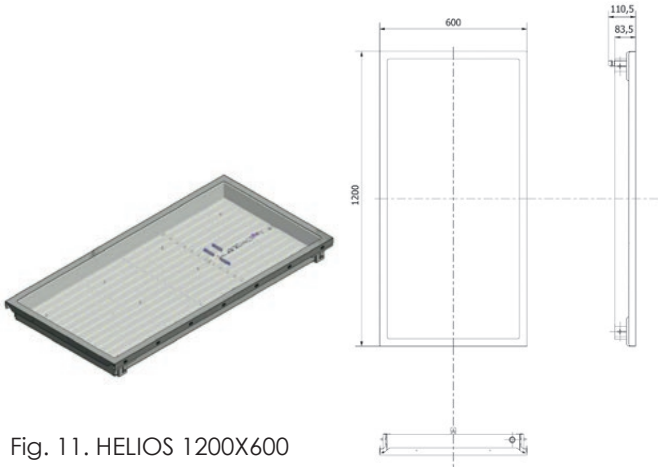


Fig. 11. HELIOS 1200X600

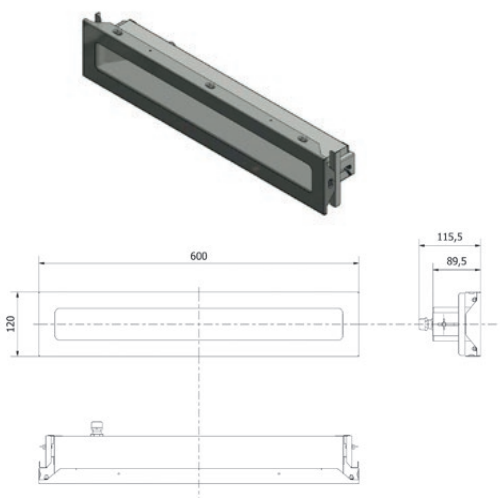


Fig. 12. HELIOS S 600

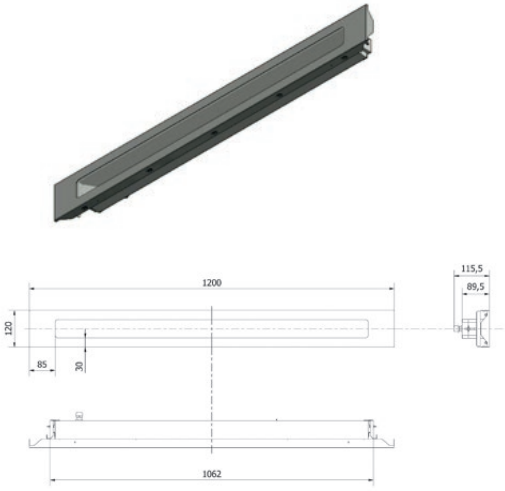


Fig. 13. HELIOS S 1200

AVAILABLE MODELS:

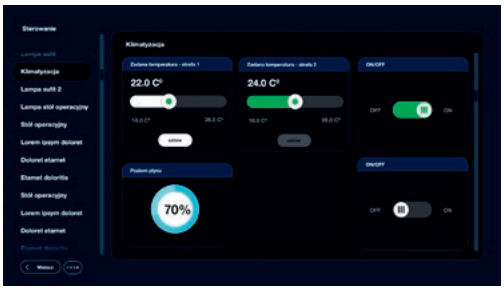
NAME	LAMPSHADE TYPE
STANDARD	
HELIOS 600x600 mm 45W 4600 lm/940 IP65 DALI	Diffusion
HELIOS 600x600 mm 45W 4600 lm/940 IP65 DALI	Microprismatic
HELIOS 600x600 mm 45W 4600 lm/940 IP65 DALI + anti-bacterial coating	Diffusion
HELIOS 600x600 mm 45W 4600 lm/940 IP65 DALI + anti-bacterial coating	Microprismatic
HELIOS 600x600 mm 70W 6750 lm/940 IP65 DALI	Diffusion
HELIOS 600x600 mm 70W 6750 lm/940 IP65 DALI	Microprismatic
HELIOS 600x600 mm 70W 6750 lm/940 IP65 DALI + anti-bacterial coating	Diffusion
HELIOS 600x600 mm 70W 6750 lm/940 IP65 DALI + anti-bacterial coating	Microprismatic
HELIOS 600x600 mm 80W 7550 lm/940 IP65 DALI	Diffusion
HELIOS 600x600 mm 80W 7550 lm/940 IP65 DALI	Microprismatic
HELIOS 600x600 mm 80W 7550 lm/940 IP65 DALI + anti-bacterial coating	Diffusion
HELIOS 600x600 mm 80W 7550 lm/940 IP65 DALI + anti-bacterial coating	Microprismatic
HELIOS 1200x600 mm 90W 9000 lm/940 IP65 DALI	Diffusion
HELIOS 1200x600 mm 90W 9000 lm/940 IP65 DALI	Microprismatic
HELIOS 1200x600 mm 90W 9000 lm/940 IP65 DALI + anti-bacterial coating	Diffusion
HELIOS 1200x600 mm 90W 9000 lm/940 IP65 DALI + anti-bacterial coating	Microprismatic
HELIOS 1200x600 mm 130W 12400 lm/940 IP65 DALI	Diffusion
HELIOS 1200x600 mm 130W 12400 lm/940 IP65 DALI	Microprismatic
HELIOS 1200x600 mm 130W 12400 lm/940 IP65 DALI + anti-bacterial coating	Diffusion
HELIOS 1200x600 mm 130W 12400 lm/940 IP65 DALI + anti-bacterial coating	Microprismatic
SLIM	
HELIOS S 600 mm 15W 1500 lm/940 IP65 DALI	Diffusion
HELIOS S 600 mm 15W 1500 lm/940 IP65 DALI	Microprismatic
HELIOS S 600 mm 15W 1500 lm/940 IP65 DALI + anti-bacterial coating	Diffusion
HELIOS S 600 mm 15W 1500 lm/940 IP65 DALI + anti-bacterial coating	Microprismatic
HELIOS S 600 mm 25W 2500 lm/940 IP65 DALI	Diffusion
HELIOS S 600 mm 25W 2500 lm/940 IP65 DALI	Microprismatic
HELIOS S 600 mm 25W 2500 lm/940 IP65 DALI + anti-bacterial coating	Diffusion
HELIOS S 600 mm 25W 2500 lm/940 IP65 DALI + anti-bacterial coating	Microprismatic
HELIOS S 1200 mm 30W 3000 lm/940 IP65 DALI	Diffusion
HELIOS S 1200 mm 30W 3000 lm/940 IP65 DALI	Microprismatic
HELIOS S 1200 mm 30W 3000 lm/940 IP65 DALI + anti-bacterial coating	Diffusion
HELIOS S 1200 mm 30W 3000 lm/940 IP65 DALI + anti-bacterial coating	Microprismatic
HELIOS S 1200 mm 50W 5000 lm/940 IP65 DALI	Diffusion
HELIOS S 1200 mm 50W 5000 lm/940 IP65 DALI	Microprismatic
HELIOS S 1200 mm 50W 5000 lm/940 IP65 DALI + anti-bacterial coating	Diffusion
HELIOS S 1200 mm 50W 5000 lm/940 IP65 DALI + anti-bacterial coating	Microprismatic

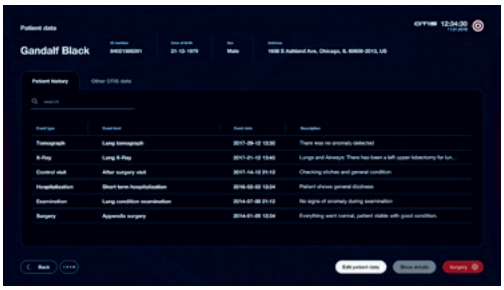
OPERATING THEATRE INTEGRATED SYSTEM (OTIS)

Modern operating theatres are not only fitted with cutting-edge diagnostic and therapeutic devices (operating tables, robots, CT scanners, angiography devices, X-ray devices etc.) but they are also fully automated in terms of the key functions of the room, such as air conditioning, ventilation or lighting. Due to the distribution of equipment and limited space of the room, operation of individual devices from different control panels would be highly ineffective and difficult. Now, these activities can be streamlined with the use of an Operating Theatre Integrated System (OTIS).

SELECTED FUNCTIONALITIES OF OTIS:

- digitalisation and storage of images and video sequences on a local hard disc or the hospital's PACS server,
- export of selected files to PACS, USB or other memory carriers,
- control of devices in surgical columns,
- electrical system management,
- operating table positioning,
- general lighting control,
- control of air conditioning and air flow through laminar ceilings,
- monitoring of medical gas systems,
- control of the operation of viewing stations (X-ray film viewers),
- management of decontamination systems,
- control of the operation of cameras distributed in the operating theatre, including those incorporated in operating lamps,
- management of the operation of multimedia devices,
- procedure recording control,
- access to all tests and examinations of the patient,
- access to detailed information about the patient.





AMONG THE NUMEROUS ADVANTAGES OF OTIS ARE:

- improvement of working conditions and performance of medical staff,
- increased patient safety,
- minimised risk of improper conduct during surgical procedures,
- standardisation of devices used for surgeries,
- ergonomic, user-friendly menu,
- intuitive navigation with headwords in the selected language,
- archiving of images and video files with patients' data,
- consultation and exchange of experience during the procedure with specialists anywhere in the world,
- video conferences,
- data transmission to lecture rooms and physicians' rooms.

SHOWROOM

To enable our clients to get acquainted with WIEJAK-MED products without having to visit the medical facilities on which they are installed, we have built a showroom whose main part is FULLSCALE OPERATING ROOM WITH THE DOCTORS' PREPARATION ROOM! Our customers can witness themselves the workmanship quality of the modular installation system which is composed of:

- glass wall panels, galvanized steel panels and combined panels (stainless and galvanized steel),
- ceiling panels with specialized Helios lighting fixtures,
- automatic medical hinge and sliding doors with touchless and elbow activators,
- built-in medical wardrobe,
- inspection and pass-through window,
- pass-box,
- surgical sink,
- Famed SU-03 operating table.

NOTES

Project co-financed by the European Union from European Regional Development Fund

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