



Add Value To **Your Theatre**

2024+

TABLE OF CONTENTS

Modular Systems	6
Project Solutions	7
System Structure	8
System Components	9
Wall Panels	9
Operating Room Control Panel	12
Ceiling System	13
Laminar Flow	14
LED Ceiling Light Fixtures	15
Door Systems	16
Built-in Components	17
Pass Through Window	17
Cabinet	17
Medical Gas and Electric Module	17
Isolated Power System	18



Medmark Technology at a Glance

Medmark Technology is located in Ankara, Türkiye and operates in the fields of Modular Operating Rooms and Medical Gas Systems.

Medmark Technology has carried the 15 years of experience gained in the field of operating rooms to the Modular Operating Room Manufacturing with a team consists of engineers, designers and sales and marketing people who do their job with passion.

Modular Systems

Operating rooms are one of the most important areas of hospitals. This importance is due not only to the patient and the operating theater team, but also to the fact that it is an important determinant of both workload and income.

The operating room is created by the combined effort of civil, mechanical, electrical and biomedical engineering, taking into account the needs and preferences of the surgical team and the safety of the team and the patient.

The advantages of modular operating rooms include functionality, cleanliness, comfort, safety, flexibility, durability and aesthetics. Ease of maintenance and refurbishment and the possibility of making rapid changes and upgrades to existing facilities are also significant advantages.



Project Solutions

Medmark Technology evaluates each project according to the unique features of the project and offers project-specific solutions in terms of technical and economic aspects.

In this way, we bring together the indispensable elements of functionality, cleanliness, comfort and aesthetics for the operating room.



Consulting

We provide consultancy for the modular operating rooms with our experience in the field. Medmark Technology knows the importance of efficient communication with the consultants, planners and the project owners. We carry out the project by interactively communicating with all parties throughout the process.

Design and Planning

Medmark Technology aims to improve the ergonomics of the space used, as well as the architectural and engineering design.



Project Management

Medmark Technology handles each Modular Operating Room project carefully and delivers each project on budget and on time. During the whole project life cycle, we inform the parties in each stage.

Production

All stages of production are carried out meticulously and in accordance with quality standards.



Installation

During the installation phase, a supervisor from our Project Team accompanies the installation team until the entire installation is completed.

System Structure



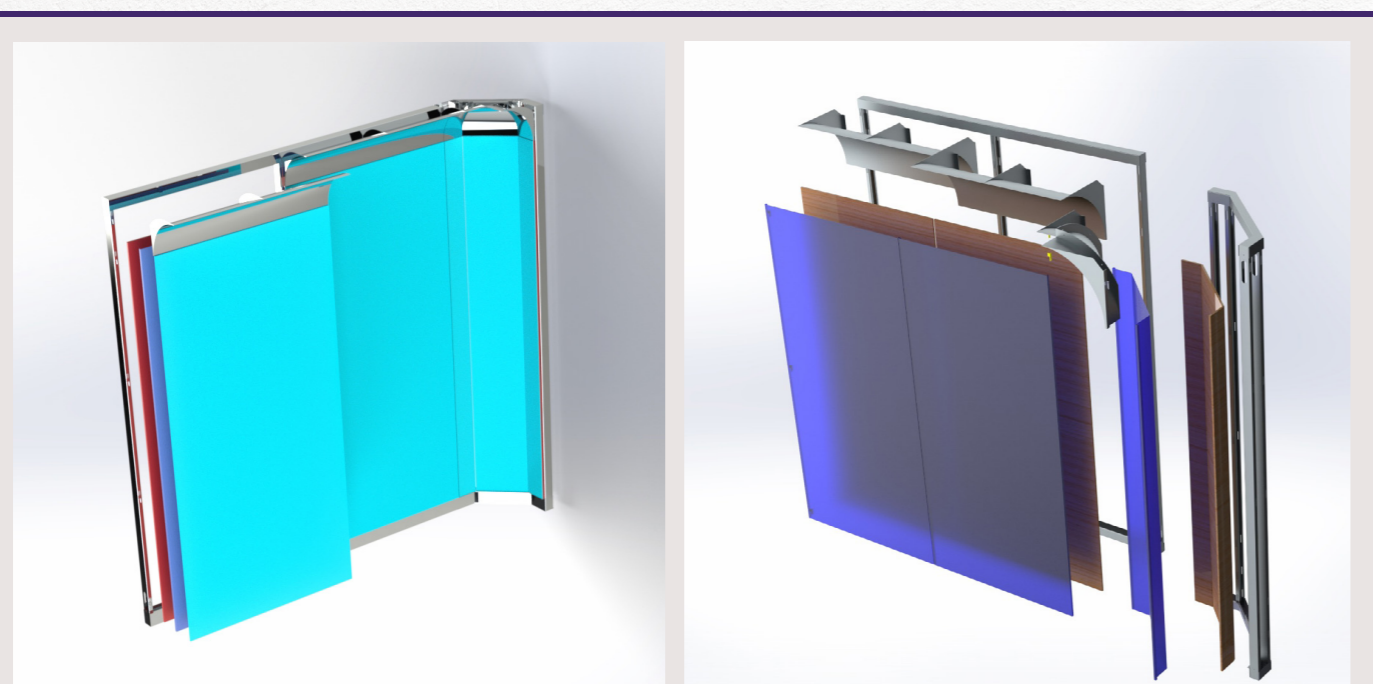
The system in Medmark Technology Modular Operating Rooms is a screw-less, hanging type system. This system minimizes the gap between the panels and provides significant convenience for installation and further maintenance, repair and replacement.

Substructure

Medmark Modular Operating Rooms consist of a substructure that forms the skeleton, system accessories that will provide wall connections with this infrastructure, wall panels, supporting back panels and built-in components to be used in wall panels.

The substructure is manufactured from galvanized steel. System accessories are extruded aluminum and galvanized steel.

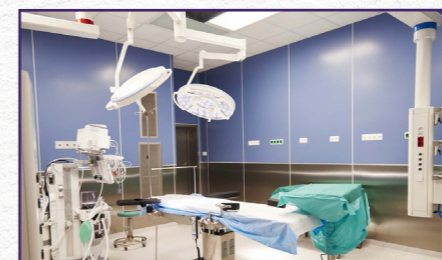
Medmark Wall Modules are designed to provide optimum performance by reducing the number of wall panel joints.



The structure of the walls allows easy installation of components such as medical gas systems, electrical equipment, HVAC, heat and ventilation.

Built-in elements such as cabinets, operating room control panels, medical gas and electrical modules can also be easily placed on the walls.

Stainless Steel



Stainless Steel



Galvanized Steel



Tempered Glass

Stainless Steel is preferred in all areas of hospitals where maximum cleaning is required, especially in operating rooms, intensive care rooms and patient rooms.

The use of stainless steel wall and ceiling panels, especially for the operating room environment, is a modern method that provides great advantages in terms of hygiene.

Medmark Technology Stainless Steel Wall Panels are antibacterial powder coated panels which meet the requirements of hygiene in the Operating Rooms, with the standard ISO22196.

Medmark Techology offers 0.8mm, 1mm and 1.2 mm thickness panels. The panels can be manufactured according to the height of the operating rooms.

The panels are supplied with pre-cut holes for the housing and installation of any equipment provided. Coupling system to the main frame with hooks, without screws.

Built-in elements such as medical gas outlets, cabinets, control panels can easily be placed on the stainless steel panels.

THE BENEFITS :

- Has a non-porous surface provides a strong protection against bacteria and viruses.
- Hygienic, easy to clean surface
- Rust Proof
- High Corrosion Resistance
- Non Magnetic
- High heat resistance
- Keeps its shape



Galvanized Steel



Stainless Steel



Galvanized Steel



Tempered Glass

Medmark Technology galvanized wall panels are antibacterial powder coated panels which meet the requirements of hygiene in the Operating Rooms.

Medmark Technology offers 0.8mm, 1mm and 1.2 mm thickness panels. The panels can be manufactured according to the height of the operating rooms.

The panels are supplied with pre-cut holes for the housing and installation of any equipment provided. Coupling system to the main frame with hooks, without screws.

Built-in elements such as medical gas outlets, cabinets, control panels can easily be placed on the stainless steel panels.

THE BENEFITS :

- Has a non-porous surface provides a strong protection against bacteria and viruses
- Easily be removed for service, maintenance and future changes
- Highly resistant to stains, scratches, moisture and heat
- Hygienic, very easy to clean surface
- Durable



Tempered Glass



Stainless Steel



Galvanized Steel



Tempered Glass

Modular Glass wall panels have been widely used in operating rooms. The properties of glass are effective in the frequent preference of glass material.

Medmark Technology Modular wall panels are made of 8mm Tempered Glass, which makes the glass stronger, resistant to external impacts and not easily damaged. While creating resistance against external impacts, it also performs the same task against heat.

Besides the ease of cleaning it provides with its smooth surface, the glass material is resistant to disinfection, acid and corrosion.

Modular Glass panels can be backlit using high-performance LEDs, creating friendly and attractive environments for both hospital staff and patients. Glass panels can be single color coated or design printed. The colors printed on the back are resistant to cleaning materials and acids. Modular Wall Panels offer a wide range of colours, patterns and lighting options.

Aesthetics and functionality are combined in glass material. Medmark Modular Glass panels are flexible, easy to install and long-lasting. The maintenance costs of modular glass panels are low.

THE BENEFITS :

- Smooth Surface
- Easy to clean
- Attractive environment
- Resistant to disinfection, acid and corrosion



Operating Room Control Panel



Operating Room Control Panel allows the operating room team to view the operating room environment conditions through a single panel and to control some operating room equipment.

All electrical controls required in the operating room can be done manually performed by the touch screen with IP65 protection standard.

The panel includes :

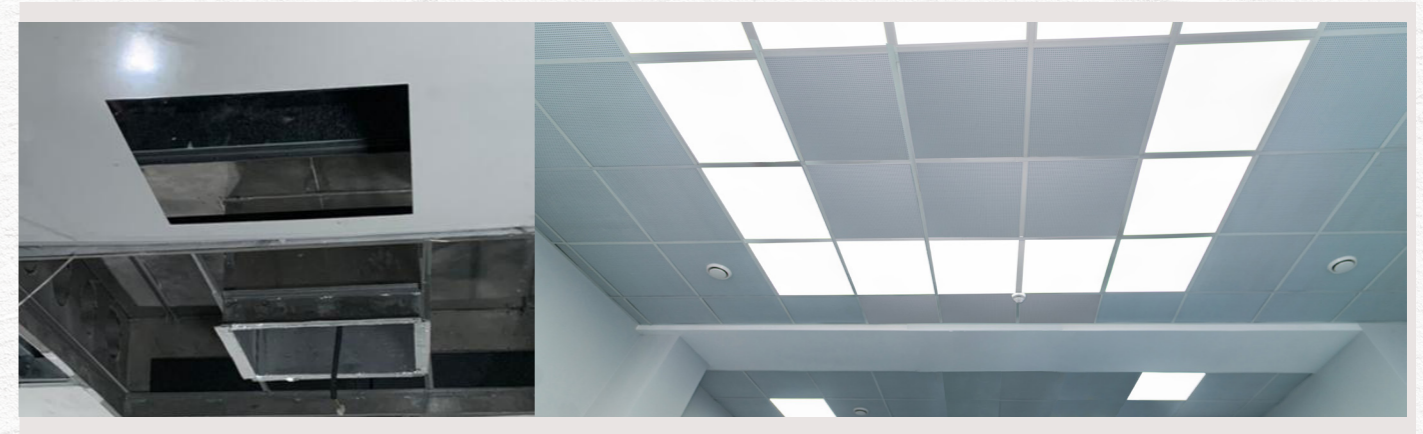
- General Lighting
- OR Light
- UV Light
- X-Ray Viewer
- Clock
- Stopwatch
- Phone
- Intercom
- PACS Integration
- Video Call
- Radio
- AC
- Temperature, Humidity, Pressure Difference
- Hepa Filter Pollution Level
- Medical Gas Alarms



Operating Room Control Panel Layout consists of :

Lamp Buttons, Operation Lamp Button, UV Lamp Button, X-Ray Viewer Button, Busy Lamp Button, Alarm Button, Phone Page Button, Air Conditioning Page Button, Information Page Button, Settings Page Button, Logout Button, Date&Time, Chronometer, Temperature Status Panel, Humidity Status Panel

Ceiling Systems



Medmark Technology offers hygienic and safe solutions for the ceilings. The panels are made of powder-coated galvanized Steel.

The design of the ceiling panels allows easy installation for the ceiling elements such as pendants, air supply, general and surgical lightening.

Ceiling Panels can be easily removed in case of need for maintenance and service. Any maintenance and service applications can be carried out quickly, smoothly and occupying the operating room in a minimum time.

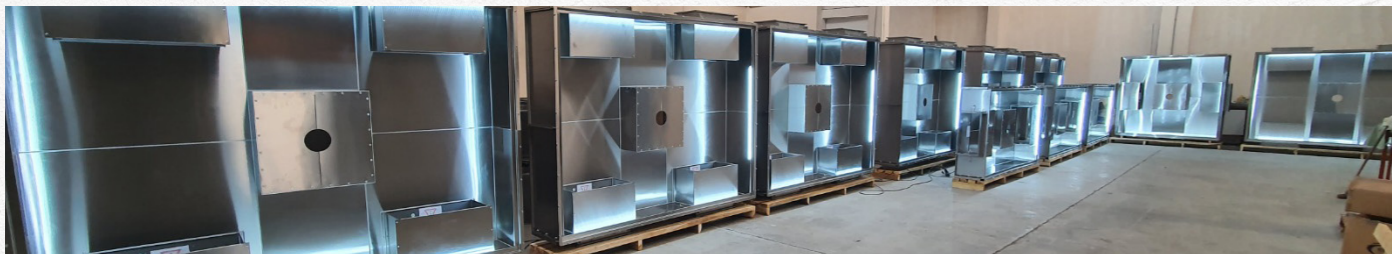


Laminar Flow



Medmark Technology Laminar Flow Units are manufactured from stainless steel sheet in different sizes and sections according to the project needs.

- Manufacturing options from 304 or 316 quality stainless steel sheet
- Design in accordance with DIN 1946/4 standard
- Low energy consumption LED lighting
- Connection probes for measuring differential pressure
- A laminator that distributes the air linearly and equally at every point
- H13 / H14 HEPA filters with MDF or Galvanized casing (99.95% / 99.995% efficiency in MMPS)
- LAF unit options, all with surface filters
- Filter housings suitable for both gel-filled and EPDM-sealed HEPA filters
- Grooved slots for filter tightness testing
- Guaranteed to pass HVAC Validation tests



LED Ceiling Lights Fixtures



Technical Specifications:

- 595*595*30mm
- 48W
- CCI : 90-100 LM/W
- CRI : RA80
- 6063 Aluminium Frame
- IP65
- 4000K

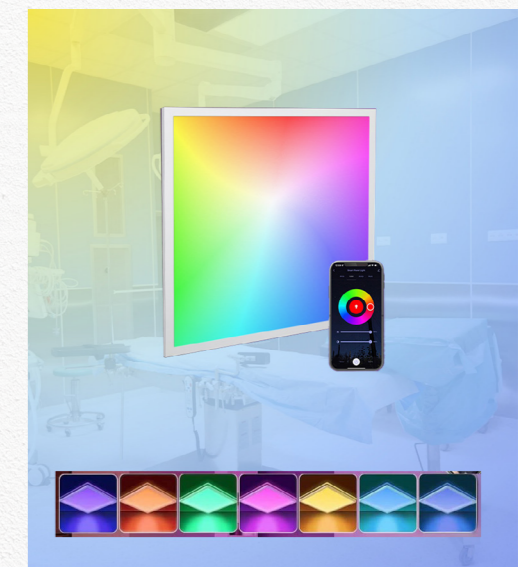


Medmark Technology offers solutions that take into account the brightness, shadow management, volume and temperature balance required for a successful operating room lighting.

The LED panels have a unique feature that provides air negative ion purification.

Benefits :

- Air Negative Ion Purification
- Fresh Air Indoors
- Effective removal of formaldehyde, reducing PM2.5
- Preventing the breeding of bacteria and viruses
- Single color optional
- No harm to the body, not a UV Sterilization Lamp
- More stable in connection
- WiFi/ Bluetooth Control, Optional
- Mobile App/ Remote Control
- Control in Groups
- Timing Function
- Multi-Scene Choices
- 3 Years Warranty



Door Systems



Medmark Technology offers aesthetic and perfectly designed manual and automatic sliding and swing doors for operating rooms where sealing and hygiene are important.

Specifications:

- High level of air, bacterial and chemical isolation
- Safe and Ergonomic, touch-less entry
- 304 quality matt stainless plate and compact laminate (8mm)
- Sliding or swing, single or double leaf, with or without viewing window
- Wall frame for different wall thicknesses
- With the electronic/digital control panel, opening, closing and waiting times can be adjusted according to demand and need
- The wing surfaces are flat and the corners are screw-less and rounded, making cleaning easier
- With lead-lined option



Built-in Components



Pass Through Windows

For more details



Made of 304 grade stainless steel with glass doors.

Stainless Steel body allows for easy cleaning and corrosion resistance.

For Hybrid Operating Rooms, the Pass Through windows can be offered with Lead Glass.



Cabinets

For more details

Customized designs.

Made of stainless steel.

Integration to modular operating room structure.

Convenience in usage.

Maximum space savings.



Medical Gas and Electric Module

For more details



Customized designs.

Made of stainless steel.

Medical Gas Outlets.

Multipole/ Schuko Outlets.

Isolated Power Systems (IPS)



Isolated power systems minimize the dangers caused by electric shock and power outages by providing isolated power to electrical systems in the operating rooms.

IPS is a grounding-free electrical solution essential for the safety of the operating room personnel and for the patients.

The following rooms are of special concern

- Operating Rooms
- Intensive Care Units
- Neonatal Intensive Care Units
- Recovery Rooms
- OR Preparation Rooms
- Heart Catheterization Rooms
- Angiographic Examination Rooms

Benefits:

- Ensuring power continuity, no power interruption caused by the isolation fault
- Improved safety by preventing the hazards of electrical shock
- Preventing damage to the devices by decreasing the fault current to non-critical levels
- Providing protection against faulty current that may cause fire
- Reducing operating and maintenance costs





Address:

Yeni Bağlıca mah. Kepir
(Kızılelma) caddesi, No: 40/4
Etimesgut Ankara / Türkiye

Phone:

+90 312 394 05 16
+90 531 630 56 75
+90 530 375 56 75

e-mail:

info@medmarktech.com
export@medmarktech.com