

# PRODUCT SPECTRUM



## Quality, Management, Environment, Health & Safety Standards



CDSCO Certified



USFDA Listed



European CE



ISO 13485:  
NABCB/IAF



ISO 9001: IAF



7 Electric Safety  
Certifications



# ABOUT US

With over 25 years of expertise, MarkEn has been a trailblazer in healthcare and medical cold chain solutions, delivering innovative and high-performance refrigeration technologies. Our unwavering commitment to excellence is reflected in our proven track record and the prestigious certifications we've earned. Notably, India's sole company to have most of flagship product tested by WHO accredited labs, alongside several other distinguished accreditations.

Our core competencies span healthcare, medical cold chains, blood banks, and hospital solutions. Building on this legacy, we are now entering the commercial refrigeration industry with an expanded product portfolio. This includes advanced deep freezers, innovative Visi coolers, state-of-the-art cold rooms, refrigerated vans, and cutting-edge solar-powered cold rooms designed to meet the dynamic needs of our clients.

## OUR ESTEEMED CUSTOMERS

We take pride in serving a diverse range of clients, including:



**Government Sector:** The Central Government of India, all state governments, and union territories.



**Public Sector Units:** 52 leading government PSUs.



**Research Institutes:** Renowned organizations such as AIIMS, ICMR, DRDO, BARC, and IITs.



**Defence Forces:** The Indian Army, Navy, and Air Force.



**Private Healthcare:** Leading hospitals like Apollo Hospitals, Wockhardt, Fortis, Tata Memorial, and many others.

**Our achievements** stand as a testament to our commitment to quality and innovation. The WHO PQS certification for seven of our products underscores our leadership in the healthcare sector and our dedication to meeting global standards.

At MarkEn, we are driven to deliver reliable, efficient, and high-performance refrigeration solutions tailored to the evolving demands of the healthcare and commercial industries. Together, we aim to redefine excellence in refrigeration technology.



# PRODUCT CERTIFICATION

Quality, Management, Environment, Health & Safety Standards



**50 Products  
CDSCO Certified**



**USFDA Listed**



**8 products tested by a  
WHO-accredited laboratory**



**European CE**



**NABCB: ISO 13485**



**ISO 9001: IAF**



**ISO 14001: IAF**



**ISO 45001: IAF**



**7 Electric Safety  
Certifications**



**WHO GMP**



**BIFMA Certified,  
BIFMA Level 3**



**ASTM- Corrosion  
Free Products**



**ISO 2409**

**EN 13523-26,  
ISO 13849-1,  
IP 69, IP 65**

**& many other...**

# MEDICAL COLD CHAIN EQUIPMENT

Medical cold chain equipment is critical for maintaining the integrity of temperature-sensitive pharmaceuticals, vaccines, and biologics throughout storage and distribution. Utilizing advanced refrigeration systems, temperature monitoring devices, and data loggers, these solutions ensure strict compliance with regulatory standards, safeguarding product potency, stability, and quality during transit and storage under controlled temperature conditions.



## Walk-in Cooler

A versatile, globally certified cooling solution specifically designed for bulk storage of vaccines, food, and perishable goods, ensuring precise temperature management and compliance with stringent global standards.

### SPECIFICATIONS:

-  Compliant with WHO standards, ensuring global credibility and trustworthiness.
-  Temperature range control from +2°C to +8°C, operational from -10°C to +43°C ambient conditions.
-  Programmable Remote Temperature and Event Monitoring System.
-  Robust stainless-steel panels with eco-friendly Cyclopentane insulation.
-  Heavy-duty, self-closing doors with fail-safe mechanisms and anti-sweat heaters.
-  Advanced safety features, including audible and visual alarms with battery backup.

Tested by a WHO-accredited lab, fully compliant with WHO standards.



**CAPACITY: 8 CUM | 16.5 CUM | 20 CUM | 32 CUM | 40 CUM | AS PER REQUIREMENT**

## Walk-In Freezer

An internationally compliant freezer solution ensuring safe and reliable storage for vaccines and other critical supplies.

### SPECIFICATIONS:

-  Temperature range control of -10°C to -20°C with precise accuracy  $\pm 0.1^\circ\text{C}$ .
-  Temperature range control from +2°C to +8°C, operational from -10°C to +43°C ambient conditions.
-  Dual refrigeration units with automatic switchover system.
-  Programmable remote monitoring with IoT connectivity.
-  Comprehensive alarm system for power and temperature deviations.
-  Minimum 6-8 hours temperature stability during power failures.



**CAPACITY: 8 CUM | 16.5 CUM | 20 CUM | 32 CUM | 40 CUM | AS PER REQUIREMENT**

## Solar Walk-in Cooler and Freezer

A robust, solar-powered walk-in storage solution designed for bulk vaccine and perishable goods storage, providing unmatched flexibility and reliable temperature management.

### SPECIFICATIONS:

-  Customizable walk-in storage spaces for bulk vaccine and food storage.
-  Maintains temperatures between +2°C to +8°C or -10°C to -20°C.
-  Advanced insulation with eco-friendly, CFC-free polyurethane foam.
-  Programmable Remote Temperature and Event Monitoring System.
-  Equipped with dual refrigeration units ensuring uninterrupted cooling.
-  Compliant with global safety standards, including WHO Standard and USFDA listed.



**CAPACITY: 8 CUM | 16.5 CUM | 20 CUM | 32 CUM | 40 CUM | AS PER REQUIREMENT**

## Ice Lined Refrigerator (ILR)

An advanced refrigeration system designed specifically for vaccine preservation, ensuring optimal storage conditions even in inconsistent power scenarios.

### SPECIFICATIONS:

-  Precise temperature range control (+2°C to +8°C) with no risk of vaccine freezing.
-  24-hour temperature holdover with only 8-hour daily power requirement.
-  Built for tropical climates, featuring green-based refrigeration technology.
-  Remote monitoring with GPS-enabled temperature deviation alerts.
-  Automatic/manual defrost with stable temperature management.
-  Minimum 10-year lifespan, ensuring durability and reliability

**ILR Small and ILR Big—tested by a WHO-accredited lab, fully compliant with WHO standards.**



**VERTICAL : 80 | 125 | 157 | 250 | 314 | 425 | AS PER REQUIREMENT**

**HORIZONTAL : 125 | 157 | 250 | 314 | 425 | AS PER REQUIREMENT**

## ULT (-86°C) Deep Freezer

Designed for safe storage of sensitive biological samples, providing stable ultra-low temperatures even in extreme environmental conditions.

### SPECIFICATIONS:

-  Maintains precise temperature between -50°C to -86°C.
-  Advanced compression-cycled refrigeration with CFC-free refrigerants.
-  Robust door design with triple-point sealing for rapid temperature recovery.
-  Optional backup system for continuous operation during power outages.
-  Programmable control with touchscreen display and secure access.
-  Comprehensive safety features, including fire and pressure protection systems.



**VERTICAL : 180 | 250 | 370 | 425 | 495 | 550 | 690 | 760 | 810 | 910 | AS PER REQUIREMENT**

**HORIZONTAL : 125 | 225 | 300 | 425 | 500 | 575 | AS PER REQUIREMENT**

## -40°C Deep Freezer

Engineered for the reliable storage of sensitive biological materials, this deep freezer ensures optimal preservation conditions in medical and research applications.

### SPECIFICATIONS:

-  Maintains precise temperature between -10°C to -40°C.
-  Robust door design with triple-point sealing for rapid temperature recovery.
-  Suitable for storage of stem cells, plasma, viruses, and biological samples.
-  Advanced electric safety standards compliant with IEC and ISO guidelines.
-  Robust insulation and corrosion-resistant stainless-steel interior.
-  Energy-efficient design ideal for life sciences, healthcare, and biotech sectors.



**VERTICAL : 180 | 250 | 370 | 425 | 495 | 550 | 690 | 760 | 810 | 910 | AS PER REQUIREMENT**

**HORIZONTAL : 125 | 225 | 300 | 425 | 500 | 575 | AS PER REQUIREMENT**

## Deep Freezer (-25°C)

High-performance deep freezer designed for critical storage needs in biological and pharmaceutical industries, ensuring consistent and reliable performance.

### SPECIFICATIONS:

-  Compliant with WHO standards, ensuring global credibility and trustworthiness.
-  Temperature control precision from -10°C to -25°C.
-  Robust design suitable for storing sensitive biological samples like plasma, stem cells, and viruses.
-  Advanced insulation technology to maintain stable internal conditions.
-  Energy-efficient and compliant with IEC electrical safety standards.
-  Comprehensive alarm and monitoring systems for safe and accurate storage.



**VERTICAL : 180 | 250 | 370 | 425 | 495 | 550 | 690 | 760 | 810 | 910 | AS PER REQUIREMENT**

**HORIZONTAL : 125 | 225 | 300 | 425 | 500 | 575 | AS PER REQUIREMENT**

## Refrigerated Van/Truck

Superior refrigerated transportation designed for pharmaceutical and food logistics. It ensures safe, efficient, and compliant delivery of temperature-sensitive products.

### SPECIFICATIONS:

-  **Precise Temperature Control:** Consistently maintains temperatures between +2°C and +8°C, ensuring the integrity of sensitive cargo.
-  **Advanced Monitoring:** Integrated real-time GPS tracking for accurate vehicle location. Continuous temperature monitoring with live data updates, and instant alerts
-  **Reliable Refrigeration System:** Diesel-powered refrigeration units with electric standby functionality, ensuring uninterrupted cooling.
-  **Robust Structural Integrity:** Exceptional insulation (100 mm side walls, 125 mm flooring) with reinforced aluminum and GRP sheets for durability.
-  **Regulatory Compliance and Safety:** Certified by NABL-accredited laboratories, fully adhering to CMVR-RTO and ARAI regulatory standards.



**CAPACITY: 8 CUM | 14 CUM | 20 CUM | 32 CUM | 40 CUM | AS PER REQUIREMENT**

## Insulated Vaccine Van

A reliable, insulated transport vehicle engineered specifically for immunization programs, designed to maintain vaccine integrity during transit.

### SPECIFICATIONS:

-  Reinforced body construction for superior durability.
-  Advanced 100mm PU foam insulation for enhanced thermal efficiency.
-  Ergonomic driver's cabin for comfort during transportation.
-  Robust, corrosion-resistant aluminum and stainless-steel construction.
-  Multiple access doors designed for efficient logistics.



CAPACITY: 2WD - DIESEL | 2WD - CNG | 4WD - DIESEL

## Active Cold Box

A portable, robust, and energy-efficient freezer solution, ideal for secure and reliable transportation and storage of temperature-sensitive items in various settings.

### SPECIFICATIONS:

-  Compact, user-friendly design for easy operation and mobility.
-  Smart temperature control with high-definition digital display (accuracy  $\pm 1^\circ\text{C}$ ).
-  Advanced refrigeration system ensures rapid cooling with DC 12V/24V compatibility.
-  Equipped with low battery and optional high/low temperature, door ajar alarms.
-  Wide temperature range adjustment from  $+20^\circ\text{C}$  to  $-20^\circ\text{C}$ .
-  Suitable for vaccine transport, food sampling, blood banks, and laboratory use.

Tested by a WHO-accredited lab, fully compliant with WHO standards.



CAPACITY: (LITERS) 1, 6, 16, 20, 30.5, 50, AS PER REQUIREMENT

## Passive Cold Box

Designed for efficient and secure transportation of vaccines over extended distances, this passive cold storage solution excels in maintaining stable temperatures without external power.

### SPECIFICATIONS:

-  Superior insulation technology for extended temperature retention.
-  Durable, robust, and portable design for challenging transportation conditions.
-  Suitable for prolonged storage and transit of temperature-sensitive materials.
-  Easy to handle with ergonomic features for user convenience.
-  Ideal for immunization activities and critical healthcare logistics.
-  Customized design available according to specific requirements.



**CAPACITY: (LITERS) 1.44, 2.7, 3.5, 5, 6, 10.5, 15, 20, 23.7, AS PER REQUIREMENT**

## Remote Temperature Monitoring Device

A sophisticated monitoring device designed to track and record temperature and environmental events remotely, ensuring vaccine safety and storage compliance.

### SPECIFICATIONS:

-  Precision monitoring with  $\pm 0.5^{\circ}\text{C}$  accuracy and  $\pm 0.1^{\circ}\text{C}$  resolution.
-  Real-time data logging accessible remotely via Wi-Fi/USB.
-  Programmable system with digital temperature indicators and controllers.
-  Equipped with audible and visual alarms for temperature deviations and power failures.
-  Compliant with WHO standards for secure vaccine storage.
-  Robust battery backup for uninterrupted monitoring and alarm functionality.

Tested by a WHO-accredited lab, fully compliant with WHO standards.



## Laboratory Refrigerator

A high-performance refrigerator with advanced digital control systems, tailored for laboratory environments requiring precise temperature management and secure access.

### SPECIFICATIONS:

-  Fully programmable microprocessor-based controller with intuitive keypad.
-  LED temperature display with high resolution (0.5°C increments).
-  Advanced security features with RFID login, password protection, and run logs.
-  Real-time data logging with USB and RS485 connectivity.
-  Battery backup for continuous operation during power outages.
-  Compliance with 21 CFR for secure data storage and monitoring.



## Deep Freezer (-25°C)

High-performance deep freezer designed for critical storage needs in biological and pharmaceutical industries, ensuring consistent and reliable performance.

### SPECIFICATIONS:

-  Compliant with WHO standards, ensuring global credibility and trustworthiness.
-  Temperature control precision from -10°C to -25°C.
-  Robust design suitable for storing sensitive biological samples like plasma, stem cells, and viruses.
-  Advanced insulation technology to maintain stable internal conditions.
-  Energy-efficient and compliant with IEC electrical safety standards.
-  Comprehensive alarm and monitoring systems for safe and accurate storage.

DF Small and DF Big—tested by a WHO-accredited lab, fully compliant with WHO standards.



**VERTICAL : 180 | 250 | 370 | 425 | 495 | 550 | 690 | 760 | 810 | 910 | AS PER REQUIREMENT**

**HORIZONTAL : 125 | 225 | 300 | 425 | 500 | 575 | AS PER REQUIREMENT**

# BLOOD BANK EQUIPMENT

Blood bank equipment is essential for the safe collection, storage, and transfusion of blood and its components. Utilizing precision refrigeration units, blood warmers, centrifuges, and hematology analyzers, these systems ensure optimal preservation, accurate processing, and compliance with regulatory standards to maintain the safety, quality, and efficacy of blood products.



## Bench Top Tube Sealer

A compact, reliable, and robust sealing solution powered by advanced RF technology. Designed to deliver seamless and uniform seals every time, it's your perfect partner for efficient blood bank operations.

### SPECIFICATIONS:

-  **Visual LED indication for** - Ready to seal, Seal process, Power supply, Battery status (if provided), Cover open (optional)
-  **Reliable Performance:** Advanced RF dielectric technology ensures precise, leak-proof sealing, and unaffected by power fluctuations, due to switch-mode power supply.
-  **Universal Compatibility:** Handles tube diameters (1.0–6 mm) with wall thickness up to 6 mm from various manufacturers.
-  **Compact & Lightweight:** Space-efficient design ideal for tabletop or bench-top use.
-  **Advanced Environmental Resistance:** Effective sealing in extreme temperatures (-10°C to +40°C) and humidity (15%–90%).
-  Equipped with anti-spark and overheat protection technology to prevent damage to the system and tubing.



**DIMENSIONS: (WXDXH)MM: 152X275X145**

## Hand Gun Tube Sealer

A powerful, portable sealing solution designed to enhance efficiency and precision in blood banks and donation camps. Leveraging cutting-edge Radio Frequency (RF) dielectric technology.

### SPECIFICATIONS:

-  **Visual LED indication for** - Ready to seal, Seal process, Power supply, Battery status (if provided), Cover open (optional)
-  **Ultra-Fast Sealing:** Securely seals tubes up to 6 mm diameter within 3 seconds, boosting productivity with smart protection against overcharging.
-  **Reliable Performance:** Advanced RF dielectric technology ensures precise, leak-proof sealing, and unaffected by power fluctuations, due to switch-mode power supply.
-  **Portable & Lightweight:** Ergonomic handheld design for effortless, prolonged usage without fatigue.
-  **Advanced Environmental Resistance:** Effective sealing in extreme temperatures (-10°C to +40°C) and humidity (15%–90%).
-  Equipped with anti-spark and overheat protection technology, and integrated advanced thermal controls for consistently safe operation.



**DIMENSIONS: (WXDXH)MM: 152X275X145**

## Blood Collection Monitor

A precision-engineered device ensuring safe, efficient, and reliable collection. Ideal for both static and mobile blood donation scenarios, MarkEn combines innovative technology with robust safety standards.

### SPECIFICATIONS:

-  **Exceptional Precision:** Provides high accuracy with less than 1% deviation for reliable volume measurement.
-  **Extended Operation:** Powerful battery backup ensures uninterrupted performance for up to 10 hours.
-  **Enhanced Safety:** Audio-visual alarms for immediate detection of operational deviations.
-  **User-Friendly Interface:** Clear LCD display for real-time monitoring and easy operation.
-  **Clamping Mode:** Three-state clamp (Open–Lock–Closed) with automatic clamp capability and active clamp monitoring.
-  Equipment features LEDs and audible alarms indicating power, battery, blood flow, emergency clamping, and collection completion.



**DIMENSIONS: (WXDXH)MM: 152X275X175**

## Blood Bank Refrigerator

Engineered for flawless preservation of critical blood products, MarkEn delivers exceptional temperature precision, superior reliability, and energy efficiency. Advanced cooling technology and robust construction make it the preferred choice for blood banks globally.

### SPECIFICATIONS:

-  **Precision Cooling:** Consistently maintains internal temperatures (+2°C to +6°C) ensuring optimal storage conditions for blood products.
-  **Intelligent Monitoring:** Microprocessor-controlled cooling delivers superior temperature uniformity and quick recovery after door openings, featuring digital displays, alarms, and real-time data logging.
-  **Eco-Friendly Operation:** Utilizes energy-efficient, CFC-free refrigerants, coupled with automatic shut-off mechanisms for minimized energy use.
-  **Superior Durability:** Robust build with pure copper tubing for maximum thermal conductivity and minimum 10-year lifespan.
-  Blood Bank Refrigerators available from compact 1 L portable units to spacious 1000 L models, including customized sizes.
-  **Enhanced Door Sealing:** Triple-pane glass with a high-grade magnetic silicone gasket ensures an airtight seal, minimizing temperature fluctuations and enhancing energy efficiency.



**CAPACITY: (LITERS) 125 | 250 | 370 | 425 | 610 | 1200**

## Blast Freezer

Engineered to preserve plasma integrity and quality through precise temperature control and advanced freezing technology.

### SPECIFICATIONS:

-  **Rapid Freezing:** Freezes 450ml plasma bags in under 45 minutes.
-  **Superior Efficiency:** Thermal exchange principles maintain temperatures from -40°C to -80°C.
-  **Robust Control System:** Touchscreen HMI LCD display for precise monitoring and adjustments.
-  **Flexible Defrost Options:** Automatic or manual defrosting modes available.
-  **Secure Sealing:** Triple-point gasket provides airtight sealing and reduces ice accumulation.
-  **Long-term Durability:** Reliable operation for at least 10 years, with assured spare parts availability.



VERTICAL & HORIZONTAL : 24 | 48

## Refrigerated Centrifuge

Ensure optimal sample protection and reliable performance with MarkEn Refrigerated Centrifuge, ideal for temperature-sensitive applications in diverse laboratory settings.

### SPECIFICATIONS:

-  **Advanced Rotor Detection:** Prevents overspeeding and damage.
-  **Quiet Operation:** Minimal noise and vibration maintain sample integrity.
-  **User-Friendly Interface:** Microprocessor-controlled with intuitive software for easy operation.
-  **Safety Assurance:** Integrated imbalance sensor and emergency manual lid opening.
-  **Tropical Climate Ready:** Reliable performance in hot and humid conditions.
-  **Robust Construction:** Engineered for at least 10 years with guaranteed spare parts.



CAPACITY: (BAGS) 6 | 8 | 12 | 16

## Gel Card Centrifuge

Optimize gel card testing efficiency with the MarkEn Gel Card Centrifuge, specifically designed for precise and reliable performance in laboratories and clinical environments.

### SPECIFICATIONS:

-  **Microprocessor Precision:** Digital touchscreen for accurate RPM, RCF, and time settings.
-  **Capacity Flexibility:** Processes 8-12 gel cards simultaneously.
-  **Dynamic Safety Features:** Includes automatic lid-locking and safety alarms.
-  **Durable Motor:** Brushless DC motor ensures longevity, quiet operation, and reliability.
-  **Ergonomic & Lightweight:** Designed for ease of use, maintenance, and cleaning.
-  **Safety Alerts:** Audio-visual alarms for imbalance and cycle completion.



**CAPACITY: (BAGS) 6 | 12 | 18 | 24 | 48**

## Gel Card Incubator

Precision Control – Programmable temperature & time settings for optimal incubation.

### SPECIFICATIONS:

-  **Digital Display :** Effortless monitoring of temperature and time.
-  **Audiovisual Alarms :** Alerts ensure safety and accuracy.
-  **Versatile Applications :** Ideal for various immunohematology tests.
-  **Ergonomic Design :** User-friendly for seamless lab operations.
-  **Reliable Performance :** Engineered for continuous, high-demand use.



**DIMENSIONS: (WXDXH)MM: 152X275X145**

# Platelet Incubator Agitator

Ensure optimal platelet storage conditions with the MarkEn Platelet Incubator Agitator, designed for consistent, gentle agitation and precise temperature control, safeguarding platelet viability.

## SPECIFICATIONS:

-  **Gentle Agitation:** Flatbed agitator prevents platelet clumping.
-  **Uniform Temperature:** Forced-air circulation provides even temperature distribution.
-  **Efficient & Robust:** Heavy-duty bearings and motorized slides ensure continuous, trouble-free operation.
-  **Safety Alerts:** Audible alarms for power or agitation failure.
-  **Secure Storage:** Magnetic sealed door, lockable chamber, and superior insulation for maximum platelet integrity.
-  **Stable Storage:** Thermoelectric cooling and integrated voltage stabilization.



# Plasma Expressor

Efficiently separate plasma and platelets with the robust MarkEn Plasma Expressor, specifically designed for smooth, quick transfer and consistent performance.

## SPECIFICATIONS:

-  **Manual Operation:** Compatible with all standard blood bags.
-  **Durable Construction:** Non-corrosive SS304 material for easy maintenance.
-  **Transparent Plate:** Durable acrylic plate for clear visibility during separation.
-  **Uniform Pressure:** Spring-loaded panel ensures complete and smooth plasma extraction.
-  **Ergonomic & Reliable:** Ensures trouble-free, long-lasting operation.



DIMENSION (WDXH) IN MM : 675X485X585 (CRCA/GI)

## Cryo Bath / Water Bath

Intro: Meticulously engineered for exceptional temperature control, energy efficiency, and ease of use in laboratories and blood banks.

### SPECIFICATIONS:

-  **Precision Temperature:** Accurately maintains temperatures (+3°C to +50°C) with  $\pm 0.2^\circ\text{C}$  precision.
-  **Efficient Thawing:** Powerful circulation pump ensures uniform thawing within 2 hours.
-  **Contamination Control:** Specialized trays prevent contamination, ensuring secure plasma handling.
-  **Durable Design:** Robust stainless-steel construction with portable caster wheels for mobility.
-  **Advanced Safety Features:** Integrated dry-run protection
-  **Specialized Tray Design:** Individual compartments keep bag ports above water during thawing.



**CAPACITY: (BAGS) 6 | 12 | 18**

## Bio Safety Cabinet

Provides superior protection and contamination-free working conditions in high-risk biological environments, combining advanced filtration with ergonomic comfort.

### SPECIFICATIONS:

-  **Advanced Filtration:** High-performance ULPA filtration ensuring sterility (>99.999% efficiency).
-  **Energy Efficiency:** DC ECM blower reduces energy usage by up to 70%.
-  **Quiet Operation:** Operates quietly at 52 dBA for user comfort.
-  **Stable Airflow:** Sentinel™ Gold Microprocessor Controller ensures precise airflow control.
-  **Ergonomic Design:** Intuitive, user-friendly controls for enhanced productivity.
-  **Durable & Reliable:** Built for at least 10 years of reliable use, with assured spare parts availability.



**INTERNAL WORK AREA, (WXDXH) IN FEET : 2X2X2 | 3X2X2 | 4X2X2**

## Blood Bag Tube Stripper

Precision-engineered, lightweight aluminium device for efficient blood component processing with premium finish.

### SPECIFICATIONS:

-  **Clear Monitoring:** Transparent front panel allows precise visual tracking of blood component separation.
-  **Efficient Performance:** High-tension, spring-loaded compression ensures rapid, thorough plasma extraction.
-  **Ergonomic Comfort:** Designed with a comfortable handle for fatigue-free, prolonged use.
-  **Universal Tube Compatibility:** Adjustable rollers easily accommodate varying tube diameters for versatile application.
-  **Robust Durability:** Chrome-plated iron construction guarantees longevity and reliable daily operation.
-  Equipped with anti-spark and overheat protection technology to prevent damage to the system and tubing.



## Blood Donation Van

A revolutionary mobile solution blending donor comfort, operational efficiency, and safety. Precision-built to meet diverse blood collection needs, MarkEn ensures a seamless experience at any location.

### SPECIFICATIONS:

-  **Rapid Setup:** Operational within 15 minutes, featuring expandable spaces for donor convenience.
-  **Advanced Donor Stations:** Motorized, adjustable donor couches designed for maximum comfort and emergency safety features.
-  **Integrated Storage:** Temperature-controlled digital storage for secure blood preservation.
-  **Enhanced Mobility:** Built-in GPS tracking, CCTV security, and onboard entertainment systems for engaging donor experiences.
-  **Robust Design:** Engineered interiors ensure ergonomic efficiency and long-lasting durability.
-  **Support Equipment-** Blood Donor Couch, Blood Tube Sealer, blood Storage Refrigerator



MINI STANDARD | ADVANCE | CUSTOMIZABLE

## Blood Donor Couch With Remote

Designed to provide unmatched comfort and safety for blood donors while ensuring ease of operation for healthcare professionals.

### SPECIFICATIONS:

-  **Ergonomic & Adjustable:** Comfortable design with motorized head, leg, and height adjustments.
-  **Enhanced Safety:** Supports vasovagal recovery by adjusting head and leg positions.
-  **Durable & Strong:** All-metal frame with epoxy coating, supports over 200 kg.
-  **Convenient Features:** Swing-out armrests, holders for glass, towels, and blood collection.
-  **Mobile & Stable:** Lockable castor wheels for easy movement and secure positioning.
-  **Hygienic & Quiet:** Washable upholstery with noise-free, internally housed components.



## Blood Donation Camp Cot

Expertly crafted to blend comfort, portability, and durability. Specially designed for outdoor conditions, this cot ensures convenience for donors and efficiency for organizers.

### SPECIFICATIONS:

-  **Lightweight & Portable:** Easy to transport and quick to deploy, ideal for mobile setups.
-  **Enhanced Donor Comfort:** Cushioned surfaces with adjustable height for optimal donor comfort.
-  **Functional Design:** Equipped with an integrated blood pressure monitoring stand.
-  **Durable Construction:** Rust-free, corrosion-resistant, with powder-coated finish for extended durability.
-  **Easy Mobility:** Comes with an optional trolley system for effortless transportation and storage.
-  **Configurable date/time settings and internal memory for up to 1000 donations.**



# Laminar Air Flow Cabinet

MarkEn Laminar Air Flow Cabinets are meticulously designed to provide an ultra-clean, contamination-free workspace essential for sterile laboratory applications. Built with cutting-edge airflow technology, these cabinets guarantee superior sterility, high efficiency, and long-term reliability. With advanced filtration, energy-saving features, and intuitive controls, they ensure a seamless user experience while adhering to the highest global safety and quality standards.

## SPECIFICATIONS:

- 

**Advanced Filtration for Maximum Sterility** Equipped with high-performance HEPA/ULPA filtration, the cabinet achieves an exceptional >99.999% efficiency, ensuring a clean and controlled environment.
- 

**Energy-Efficient Smart Blower Technology** The DC ECM blower system significantly reduces energy consumption by up to 70%, making it an eco-friendly and cost-effective solution.
- 

**Whisper-Quiet Operation for a Comfortable Work Environment** Designed for minimal noise, the system operates at just 52 dBA, ensuring a quiet and comfortable workspace for laboratory professionals.
- 

**Intelligent Control System for Precision Airflow Management** Featuring the Sentinel™ Gold Microprocessor Controller, the cabinet maintains stable airflow and optimizes performance with real-time monitoring and user-friendly controls.
- 

**Versatile Configurations to Suit Diverse Applications** Available in both horizontal and vertical flow designs, the cabinet adapts to various laboratory needs, ensuring flexibility and convenience.
- 

**Robust Construction with Premium Safety & Durability** Crafted with optional 360-degree acrylic or toughened glass panels, the cabinet offers enhanced visibility and protection, ensuring long-term durability and operational reliability.
- 

**Globally Certified for Uncompromising Quality & Safety** MarkEn Laminar Air Flow Cabinets meet the highest international safety and quality standards, including: • USFDA Approved • CDSCO Certified • ISO 13485 (NABCB), ISO 9001, ISO 45001, ISO 14001 • European CE Certified • IEC Compliance



**Vertical Cabinet**



**Horizontal Cabinet**

**INTERNAL WORK AREA, (WXDXH) IN FEET : 2X2X2 / 3X2X2 / 4X2X2**

# MEDICAL GAS PIPELINE

The Medical Gas Pipeline System (MGPS) is a specialized infrastructure that safely distributes medical gases such as oxygen, nitrous oxide, medical air, and vacuum to various points of use within healthcare facilities. The system is designed to meet stringent safety standards and regulatory requirements, ensuring a continuous, reliable supply of medical gases for patient care, surgeries, and diagnostics while maintaining system integrity through precise pressure control, monitoring, and alarm systems.



## ICU Bed Head Panel

### SPECIFICATIONS:

- **Material:** Aluminum Alloy / Stainless Steel / Powder-Coated Mild Steel for durability and hygiene.
- **Configurations:** Available in horizontal or vertical designs for space optimization.
- **Gas Outlets:** Integrated Oxygen (O<sub>2</sub>), Nitrous Oxide (N<sub>2</sub>O), Air, and Vacuum supply points.
- **Electrical Sockets:** Multiple 5A/15A power outlets with shock-proof design.
- **Lighting System:** LED reading light, night light, and examination light for patient comfort.
- **Monitoring & Connectivity:** Options for Nurse Call System, Communication Ports, and Data Outlets.
- **Shelves & Railings:** Provision for IV stands, infusion pumps, and other medical accessories.
- **Customization:** Available in various lengths (1200mm – 1800mm) based on ICU requirements.
- **Safety Features:** Fire-resistant, corrosion-proof, and easy-to-clean surface.
- **Power Supply:** 110V – 240V AC, 50/60Hz, adaptable for hospital standards.
- **Applications:** Ideal for ICUs, NICUs, CCUs, and critical care units.



## Vaccum Pump

### SPECIFICATIONS:

- **Pump Type:** Oil-Lubricated / Oil-Free / Rotary Vane / Diaphragm / Piston / Liquid Ring
- **Vacuum Capacity:** 10 LPM – 1000 LPM (Liters per Minute) based on application
- **Ultimate Vacuum Pressure:** 0.1 mbar – 760 mmHg adjustable for precise suction control
- **Motor Power:** 0.25 HP – 10 HP, depending on model and usage
- **Noise Level:** ≤ 60 dB for silent operation in medical and industrial settings
- **Filtration System:** Inbuilt bacterial filter and moisture trap for contamination control
- **Cooling System:** Air-cooled / Water-cooled for efficient performance
- **Control Panel:** Digital or analog pressure gauge with manual/automatic operation
- **Safety Features:** Overheat protection, non-return valve, and automatic shutdown
- **Power Supply:** 220V – 440V AC, 50/60Hz based on model requirements
- **Applications:** Used in hospitals, ICUs, surgical suction units, laboratories, and industrial applications



# Air Cooled Pump

## SPECIFICATIONS:

- **Cooling System:** Air-cooled mechanism for heat dissipation without external cooling
- **Vacuum Capacity:** 10 LPM – 1000 LPM (Liters per Minute) based on application
- **Ultimate Vacuum Pressure:** 0.1 mbar – 760 mmHg, depending on model
- **Motor Power:** 0.25 HP – 10 HP for various operational requirements
- **Noise Level:**  $\leq 60$  dB for quiet operation in medical and industrial environments
- **Construction Material:** Cast iron / Stainless steel / Aluminum alloy for durability
- **Filtration System:** Inbuilt dust and moisture filters for contamination-free operation
- **Control System:** Manual or automatic operation with digital/analog pressure gauge
- **Safety Features:** Thermal overload protection, non-return valve, and automatic shutdown
- **Power Supply:** 220V – 440V AC, 50/60Hz depending on model specifications
- **Applications:** Used in hospitals (suction systems), laboratories, food processing, and industrial vacuum systems



# BPC Flow Meter

## SPECIFICATIONS:

- **Flow Range:** 0 – 15 LPM (Liters Per Minute) adjustable for oxygen therapy
- **Material:** Anodized aluminum / Brass / Polycarbonate body for durability
- **Flow Control:** Back pressure compensated design ensures accurate flow even with fluctuating pressure
- **Oxygen Inlet Pressure:** 50 – 60 psi standard for medical gas systems
- **Accuracy:**  $\pm 5\%$  of full scale for precise oxygen delivery
- **Humidifier Bottle:** Autoclavable polycarbonate bottle with safety pressure release
- **Tube Graduations:** Laser-marked flow scale for clear visibility
- **Connector Type:** Direct mount, BSP, DIN, or DISS compatible inlet options
- **Safety Features:** Shatter-proof tube, anti-static body, and overflow protection
- **Application:** Used in hospitals, ICU, emergency care, and home oxygen therapy



# Bed Head Panel

## SPECIFICATIONS:

- **Material:** Aluminum Alloy / Stainless Steel / Powder-Coated Mild Steel for durability and easy cleaning.
- **Design:** Horizontal or Vertical configurations based on space and installation requirements.
- **Gas Outlets:** Integrated Oxygen (O<sub>2</sub>), Nitrous Oxide (N<sub>2</sub>O), Air, and Vacuum supply points.
- **Electrical Sockets:** Multiple 5A/15A medical-grade power outlets for medical equipment.
- **Lighting System:** LED reading light, night light, and examination light for patient comfort.
- **Monitoring & Connectivity:** Optional Nurse Call System, Communication Ports, and Data Outlets for hospital integration.
- **Shelves & Railings:** Space for IV poles, infusion pumps, and medical accessories.
- **Safety Features:** Fire-resistant, corrosion-proof, and antibacterial coating for hygiene maintenance.
- **Power Supply:** 110V – 240V AC, 50/60Hz, adaptable for hospital standards.
- **Applications:** Suitable for ICUs, NICUs, CCUs, and general hospital wards



# MODULAR OPERATION THEATRE

MODULAR Occupational Therapy is a flexible, client-centered approach that tailors therapeutic interventions to meet individual needs. By using modular techniques, therapists design personalized treatment plans that address specific goals, promoting independence, functional abilities, and overall well-being, enhancing daily living skills for people with various physical, cognitive, and emotional challenges.





**MarkEn - O.T Flooring**

## O.T Door

### SPECIFICATIONS:

- **Door Type:** Sliding / Swing / Hermetically Sealed / Automatic / Manual
- **Material:** Stainless Steel (SS 304/316) / Powder-Coated GI / HPL (High-Pressure Laminate) / Aluminum Alloy
- **Panel Thickness:** 40mm – 50mm with soundproof and insulated core
- **Sealing System:** Hermetic sealing with rubber gaskets to prevent contamination
- **Operation Mode:** Manual, Semi-Automatic, or Fully Automatic (Sensor-Based / Touch Panel Control)
- **Glass Vision Panel:** Tempered/laminated shatterproof glass window for visibility
- **Surface Finish:** Antibacterial, Fire-Resistant, Scratch-Proof Coating for infection control
- **Frame & Hardware:** Heavy-duty stainless steel frame, concealed hinges, and smooth operation track
- **Size Options:** Standard (900mm – 1500mm width) or Customizable
- **Safety Features:** Interlocking system, anti-bacterial coating, emergency release mechanism
- **Power Supply:** 220V – 240V AC, 50/60Hz (for automatic models)
- **Applications:** Used in Hospitals, ICUs, Modular OTs, Laboratories, Cleanrooms, and Isolation Wards



# O.T Pendant

## SPECIFICATIONS:

- **Type:** Single Arm / Double Arm / Motorized / Fixed / Retractable Pendant
- **Material:** High-grade stainless steel (SS 304/SS 316) / Aluminum Alloy for durability and corrosion resistance
- **Load Capacity:** 50 – 250 kg to support multiple medical devices
- **Rotation Angle:** 330° – 360° for full accessibility and positioning flexibility
- **Gas Outlets:** Integrated Oxygen (O<sub>2</sub>), Nitrous Oxide (N<sub>2</sub>O), Air, Vacuum, CO<sub>2</sub>, and AGSS outlets
- **Electrical Sockets:** 5A/15A medical-grade power sockets with surge protection
- **Monitor & Equipment Mounting:** Adjustable trays and shelves for monitors, infusion pumps, ventilators, and other medical devices
- **Lighting System:** Integrated LED task lighting for enhanced visibility
- **Cable Management:** Internal concealed wiring and tubing for a clutter-free workspace
- **Control Panel:** Touchscreen or manual control system for height and arm adjustments (motorized models)
- **Safety Features:** Brake system for stability, antibacterial coating, and emergency stop mechanism
- **Power Supply:** 110V – 240V AC, 50/60Hz based on hospital standards
- **Applications:** Used in Operation Theaters, ICUs, Emergency Rooms, and Modular OTs



# Control Panel

## SPECIFICATIONS:

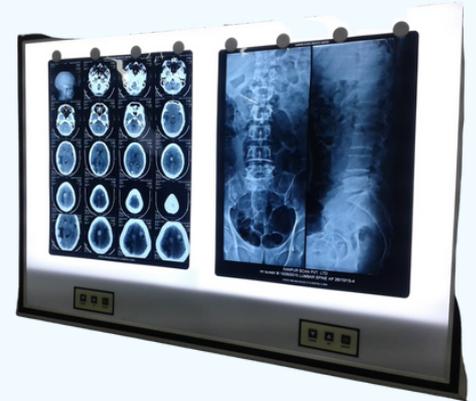
- **Panel Type:** Membrane, Touchscreen, Modular, Digital, or PLC-Based
- **Material:** Stainless Steel (SS 304/316), Powder-Coated GI, or HPL (High-Pressure Laminate)
- **Display:** 7" – 21" LED/LCD touchscreen or digital display
- **Functions:** Temperature & Humidity Control, OT Lighting, Gas Alarm System, HEPA Filter Monitoring
- **Additional Features:** Timer & Clock Display, Intercom System, X-Ray Viewer, PACS Connectivity (Optional)
- **Power Supply:** 110V – 240V AC, 50/60Hz, with surge protection
- **Safety Features:** Fire-resistant, antimicrobial coating, emergency power backup
- **Mounting Options:** Flush-mounted or surface-mounted for seamless integration



## LED X-Ray Viewer

### SPECIFICATIONS:

- **Panel Type:** Single, Double, Triple, or Quadruple Film Viewer
- **Light Source:** High-intensity LED backlight for uniform illumination
- **Brightness Level:**  $\geq 4000$  - 10,000 Lux for clear X-ray visualization
- **Dimming Control:** Adjustable brightness with step or continuous dimming
- **Film Clamping:** Automatic film sensor or manual clip holder for secure placement
- **Viewing Area:** 14"x17" (Single), 28"x17" (Double), 42"x17" (Triple), 56"x17" (Quadruple)
- **Frame Material:** Aluminum alloy / Stainless steel / ABS plastic
- **Thickness:** Ultra-slim design (20-35mm thickness) for wall or desk mounting
- **Power Supply:** 110V – 240V AC, 50/60Hz with low energy consumption
- **Installation:** Wall-mounted, desktop, or recessed mounting
- **Applications:** Radiology departments, hospitals, clinics, and diagnostic centers



## Scrub Station 3 Cabin

### SPECIFICATIONS:

- **Material:** Stainless Steel (SS 304/SS 316) for durability and corrosion resistance
- **Number of Stations:** Three (3) cabins for simultaneous use by multiple surgeons
- **Tap Type:** Sensor-based, knee-operated, or foot-operated taps for hands-free operation
- **Water Control:** Thermostatic mixing valve for precise temperature control
- **Sink Design:** Deep sink with splash-proof design to minimize water spillage  
Soap & Disinfection Dispenser: Automatic / Manual dispensers for hygiene maintenance
- **Backsplash Panel:** Integrated or detachable to prevent contamination
- **Lighting:** LED overhead lighting or UV sterilization (optional)
- **Drain System:** Sloped basin with anti-clog drainage system
- **Mounting Type:** Wall-mounted or floor-standing as per hospital requirements
- **Power Supply:** 220V-240V AC, 50/60Hz (for sensor taps and UV lighting)
- **Applications:** Operation Theaters, ICUs, Surgical Suites, and Sterile Areas



## Scrub Station

### SPECIFICATIONS:

- **Material:** Stainless Steel (SS 304/SS 316) for durability, corrosion resistance, and easy cleaning
- **Number of Stations:** Two (2) cabins for simultaneous use by two surgeons
- **Tap Type:** Sensor-based, knee-operated, or foot-operated taps for hands-free operation
- **Water Control:** Thermostatic mixing valve for precise temperature adjustment
- **Sink Design:** Deep sink with splash-proof design to minimize water spillage
- **Soap & Disinfection Dispenser:** Automatic or manual dispensers for hygiene maintenance
- **Backsplash Panel:** Integrated or detachable to prevent contamination
- **Lighting:** LED overhead lighting or UV sterilization (optional)
- **Drain System:** Sloped basin with anti-clog drainage system
- **Mounting Type:** Wall-mounted or floor-standing as per hospital requirements
- **Power Supply:** 220V-240V AC, 50/60Hz (for sensor taps and UV lighting)
- Applications: Operation Theaters, ICUs, Surgical Suites, and Sterile Areas



## Pass Box

### SPECIFICATIONS:

- **Type:** Static / Dynamic Pass Box for sterile material transfer
- **Material:** Stainless Steel (SS 304/SS 316) with powder-coated finish for hygiene and durability
- **Door Mechanism:** Electromagnetic Interlocking Doors to prevent cross-contamination
- **Filtration System (for Dynamic Pass Box):** HEPA Filter ( $\geq 99.97\%$  efficiency at 0.3 microns) with pre-filter
- **Airflow System:** Laminar airflow with UV sterilization (optional for dynamic models)
- **Internal Surface Finish:** Smooth, seamless corners for easy cleaning
- **Viewing Window:** Toughened glass panel for clear visibility
- **UV Light:** Germicidal UV-C light for sterilization with auto shut-off when doors are open
- **Control Panel:** Digital/LED indicators for door status, UV light, and airflow monitoring
- **Size Variants:** Standard sizes available (Customizable as per requirement)
- **Safety Features:** Interlocking alarm, emergency override system, and antimicrobial coating
- **Power Supply:** 220V-240V AC, 50/60Hz with low power consumption
- **Applications:** Used in Operation Theaters, ICUs, Cleanrooms, Pharma, and Laboratories



## O.T Table C-Arm Compatible Hydraulic

### SPECIFICATIONS:

- **Overall Dimensions:** 1900mm – 2100mm (L) x 500mm – 550mm (W) x 750mm – 1000mm (H)
- High-quality stainless steel (SS 304 grade) frame
- Radio-translucent tabletop for C-Arm imaging
- Heavy-duty hydraulic system with anti-corrosion treatment
- Five-section tabletop: Head, Back, Seat, Leg, and Kidney
- Adjustable & detachable headrest
- Trendelenburg & Reverse Trendelenburg: Up to 30° – 40°
- Lateral Tilt (Left & Right): Up to 20° – 25°
- Detachable, foldable, adjustable leg section
- **Kidney Elevator:** 120mm – 150mm lift (optional)
- Foot pump-operated hydraulic height adjustment
- Smooth positioning with precise control
- Concealed Pump system.
- Sliding tabletop for better imaging access
- Minimal metal obstruction for X-ray clarity
- Heavy-duty base with anti-slip design
- Smooth castors with brakes for mobility & stability
- Floor locking system for secure positioning
- Supports up to 250 – 300 kg
- Orthopedic attachments for traction (optional)
- Neurosurgical & gynecological accessories (optional)
- Leg & arm support for specialized surgeries (optional)



## O.T Table Electric cum Manual

### SPECIFICATIONS:

- **Overall Dimensions:** 1900mm – 2100mm (L) x 500mm – 550mm (W) x 750mm – 1000mm (H)
- High-quality stainless steel (SS 304 grade) frame
- Radio-translucent tabletop for C-Arm compatibility
- Electric and manual control for height, tilt, and position adjustments
- Five-section tabletop: Head, Back, Seat, Leg, and Kidney
- Adjustable & detachable headrest Trendelenburg & Reverse Trendelenburg: Up to 30° – 40°
- Lateral Tilt (Left & Right): Up to 20° – 25°
- Detachable, foldable, adjustable leg section
- Kidney Elevator: 120mm – 150mm lift (optional)
- Electric motorized height adjustment with manual override
- Wired remote control for smooth positioning
- Battery backup for emergency operation (optional)
- Sliding tabletop for better C-Arm access
- Heavy-duty base with anti-slip design
- Smooth castors with brakes for mobility & stability
- Central locking system for secure positioning
- **Load capacity:** Up to 250 – 300 kg
- Orthopedic, neurosurgical, and gynecological attachments (optional)
- Leg & arm supports for specialized procedures (optional)



## O.T Table Attachment

### SPECIFICATIONS:

- **Orthopedic Attachment:** SS 304 grade Traction system for lower limb surgeries
- **Neurosurgical Attachment:** Headrest with adjustable clamps for cranial procedures
- **Gynecological & Urological Attachment:** Lithotomy leg supports and stirrups
- **Arm Board:** Adjustable and padded support for patient's arms
- **Shoulder Support:** Adjustable pads for shoulder surgeries
- **Leg Holder:** Adjustable positioning for lower limb stability
- **Knee Crutch Support:** Cushioning support for knee positioning
- **Anaesthetic Screen Frame:** Stainless steel frame for draping
- **Body Strap & Side Support:** Secure patient positioning during surgery
- **Carbon Fiber Extension:** Extended tabletop for imaging and C-Arm access
- **Footrests & Handrests:** Adjustable supports for various surgical needs
- **Kidney Elevator:** Adjustable lifting mechanism for kidney and abdominal surgeries
- **Headrest Extension:** Adjustable head support for ENT and neurosurgical procedures
- **Lateral Support:** Padded side supports for patient stability during lateral positioning



## O.T Light Double Dome Ease

### SPECIFICATIONS:

- **Type:** Double Dome Surgical Light (4+4)
- **Illumination Intensity:** 140,000 – 160,000 Lux (adjustable)
- **Light Source:** LED / Halogen (as per requirement)
- **Color Temperature:** 4000K – 5000K for natural daylight effect
- **Color Rendering Index (CRI):**  $\geq 90$  for accurate tissue differentiation
- **Number of LED Bulbs:** Multiple high-efficiency LEDs for uniform lighting
- **Dome Size:** 500mm – 700mm diameter per dome
- **Focus Adjustment:** Manual or motorized focusing system
- **Light Intensity Control:** Dimmable via control panel or remote
- **Shadow Reduction:** Multi-reflector design for minimal shadow effect
- **Heat Emission:** Low heat output to maintain a cool surgical environment
- **Rotation & Positioning:** 360° rotation with flexible arm movement
- **Control Panel:** Digital / Touchscreen for easy adjustments
- **Battery Backup:** Optional for uninterrupted operation during power failure
- **Mounting Options:** Ceiling-mounted / Wall-mounted / Mobile stand
- **Sterilizable Handle:** Removable and autoclavable for hygiene maintenance
- **Power Supply:** 110V/220V AC, 50/60Hz



## O.T Light Double Dome Prime

### SPECIFICATIONS:

- **Type:** Round Shape Surgical Light
- **Illumination Intensity:** 140,000 – 160,000 Lux (adjustable)
- **Light Source:** LED / Halogen (as per requirement)
- **Color Temperature:** 4000K – 5000K for daylight clarity
- **Color Rendering Index (CRI):**  $\geq 90$  for accurate tissue differentiation
- **Dome Diameter:** 500mm – 700mm (varies by model)
- **Number of LED Bulbs:** Multiple high-intensity LEDs for even illumination
- **Focus Adjustment:** Manual or motorized for precision
- **Light Intensity Control:** Dimmable via control panel or remote
- **Shadow Reduction:** Multi-lens design to minimize shadows
- **Heat Emission:** Low heat output for a cool operating environment
- **Rotation & Positioning:** 360° rotation with flexible movement
- **Control Panel:** Digital / Touchscreen for easy operation
- **Battery Backup:** Optional for uninterrupted functionality during power failure
- **Mounting Options:** Ceiling-mounted / Wall-mounted / Mobile stand
- **Sterilizable Handle:** Removable and autoclavable for hygiene
- **Power Supply:** 110V/220V AC, 50/60Hz



## Examination Light

### SPECIFICATIONS:

- **Type:** LED / Halogen Examination Light
- **Illumination Intensity:** 30,000 – 70,000 Lux (adjustable)
- **Light Source:** High-efficiency LED / Halogen bulb
- **Color Temperature:** 4000K – 5000K for natural daylight effect
- **Color Rendering Index (CRI):**  $\geq 90$  for accurate tissue visualization
- **Focus Adjustment:** Manual focusing for precise illumination
- **Light Intensity Control:** Dimmable via control panel or knob
- **Shadow Reduction:** Multi-lens design for minimal shadows
- **Heat Emission:** Low heat output for patient comfort
- **Rotation & Positioning:** 360° rotation with flexible movement
- **Mounting Options:** Floor stand / Wall-mounted / Ceiling-mounted
- **Arm Type:** Flexible gooseneck or spring-balanced arm for easy positioning
- **Sterilizable Handle:** Removable and autoclavable for hygiene
- **Power Supply:** 110V/220V AC, 50/60Hz
- **Battery Backup:** Optional for uninterrupted operation during power failure



## O.T Light Single Dome Ease

### SPECIFICATIONS:

- **Type:** Single Dome Surgical Light (4)
- **Illumination Intensity:** 140,000 – 160,000 Lux (adjustable)
- **Light Source:** LED / Halogen (as per requirement)
- **Color Temperature:** 4000K – 5000K for natural daylight effect
- **Color Rendering Index (CRI):**  $\geq 90$  for accurate tissue differentiation
- **Number of LED Bulbs:** Multiple high-efficiency LEDs for uniform lighting
- **Dome Size:** 500mm – 700mm diameter per dome
- **Focus Adjustment:** Manual or motorized focusing system
- **Light Intensity Control:** Dimmable via control panel or remote
- **Shadow Reduction:** Multi-reflector design for minimal shadow effect
- **Heat Emission:** Low heat output to maintain a cool surgical environment
- **Rotation & Positioning:** 360° rotation with flexible arm movement
- **Control Panel:** Digital / Touchscreen for easy adjustments
- **Battery Backup:** Optional for uninterrupted operation during power failure
- **Mounting Options:** Ceiling-mounted / Wall-mounted / Mobile stand
- **Sterilizable Handle:** Removable and autoclavable for hygiene maintenance
- **Power Supply:** 110V/220V AC, 50/60Hz



## O.T Light Single Dome

### SPECIFICATIONS:

- **Type:** Round Shape Surgical Light
- **Illumination Intensity:** 140,000 – 160,000 Lux (adjustable)
- **Light Source:** LED / Halogen (as per requirement)
- **Color Temperature:** 4000K – 5000K for daylight clarity
- **Color Rendering Index (CRI):**  $\geq 90$  for accurate tissue differentiation
- **Dome Diameter:** 500mm – 700mm (varies by model)
- **Number of LED Bulbs:** Multiple high-intensity LEDs for even illumination
- **Focus Adjustment:** Manual or motorized for precision
- **Light Intensity Control:** Dimmable via control panel or remote
- **Shadow Reduction:** Multi-lens design to minimize shadows
- **Heat Emission:** Low heat output for a cool operating environment
- **Rotation & Positioning:** 360° rotation with flexible movement
- **Control Panel:** Digital / Touchscreen for easy operation
- **Battery Backup:** Optional for uninterrupted functionality during power failure
- **Mounting Options:** Ceiling-mounted / Wall-mounted / Mobile stand
- **Sterilizable Handle:** Removable and autoclavable for hygiene
- **Power Supply:** 110V/220V AC, 50/60Hz



# MEDICAL EQUIPMENT

Medical equipment refers to devices and instruments used in healthcare settings to diagnose, monitor, treat, and manage various medical conditions. These tools range from simple instruments like thermometers to complex machines such as ventilators, improving patient care, ensuring accurate diagnostics, and facilitating effective treatments across diverse medical disciplines.



## Anesthesia Machine

### SPECIFICATIONS:

- Supports Oxygen (O<sub>2</sub>), Nitrous Oxide (N<sub>2</sub>O), and Air
- Dual tube flowmeters for precise gas control
- High-flow oxygen flush system (35-75 L/min) for emergencies
- Dual mount vaporizers for Isoflurane, Sevoflurane, Desflurane, or Halothane
- Ventilator with volume-controlled, pressure-controlled, and manual modes
- Compact circle absorber with adjustable APL valve
- Integrated LCD display for tidal volume, respiratory rate, and airway pressure
- Oxygen and gas concentration monitoring with audible and visual alarms
- Backup battery providing 30–90 minutes of operation during power failure
- Integrated suction unit for fluid management
- Active and passive gas scavenging system for pollution control
- Heavy-duty castors with brakes for stability and mobility
- Compact design with storage drawers for accessories
- Power supply of 110V/220V AC, 50/60Hz



## Anesthesia Boyl's Machine

### SPECIFICATIONS:

- Anesthesia Machine (Major, Powder Coated) - Specifications
- Supports Oxygen (O<sub>2</sub>), Nitrous Oxide (N<sub>2</sub>O), and Air
- Powder-coated steel body for durability and corrosion resistance
- Dual flowmeter system for precise gas control
- High-flow oxygen flush system (35-75 L/min) for emergencies
- Dual or single vaporizer mount for Isoflurane, Sevoflurane, Desflurane, or Halothane
- Manual, semi-automatic, and ventilator-compatible operation
- Circle absorber system with adjustable APL valve
- Integrated oxygen and gas monitoring with audible and visual alarms
- Backup battery for 30–90 minutes of operation in case of power failure
- Active and passive gas scavenging system for waste gas management
- Mounted on heavy-duty castors with brakes for easy mobility
- Storage drawers for accessories and breathing circuits
- Power supply of 110V/220V AC, 50/60Hz



# Cautery Machine

## SPECIFICATIONS:

- LCD Touch Screen Panel
- 6SENSE Technology
- Patient Return Electrode Monitoring (PREM)
- Vessel Sealing up to 7mm with audio indication upon completion
- Saline Resection Mode for saline plasma bipolar cutting and coagulation.
- Auto Bipolar Mode (optional)
- BiCoag Alarm for feedback after completion of bipolar coagulation Shalya
- Two Simultaneous Coagulation outputs with independent control (optional)
- 2 Pulse/Endo Cut Modes
- Self-Diagnosis
- Upgradability for additional modules like Argon Beam Coagulation, Ultrasonic Aspirator, Smoke Evacuator, and Suction Irrigation



# Patient Monitor

## SPECIFICATIONS:

- High-resolution color LCD/TFT screen displaying multiple parameters simultaneously.
- Vital sign monitoring including ECG, heart rate, SpO<sub>2</sub>, NIBP, respiratory rate, and temperature.
- Upgradeable ETCO<sub>2</sub>, IBP and Cardiac Output.
- ECG system supporting 3-lead and 5-lead options with arrhythmia detection and ST-segment analysis.
- SpO<sub>2</sub> measurement range from 0 to 100% with  $\pm 2\%$  accuracy.
- NIBP system with manual, auto, and continuous modes.
- Respiratory rate monitoring ranging from 0 to 120 bpm.
- Temperature monitoring with dual sensors, range from 25 to 45°C, accuracy of  $\pm 0.1^\circ\text{C}$ .
- Configurable audio-visual alarms for patient safety.
- Long-term trend storage with data export via USB, LAN, or Wi-Fi
- Powered by AC 100-240V with a rechargeable battery backup for uninterrupted operation.
- Compact and durable design suitable for various medical environments.



# Patient Monitor

## SPECIFICATIONS:

- **Leads:** Standard 12-lead ECG recording for comprehensive cardiac assessment
- **Display:** High-resolution LCD/TFT touchscreen for real-time waveform analysis
- **Printing System:** Thermal printer with multiple format options (3, 6, 12-channel printouts)
- **Sampling Rate:** High-frequency sampling up to 32,000 Hz for accurate ECG signals
- **Filters:** Advanced EMG, baseline drift, and AC interference filters for noise reduction
- **Recording Speed:** Adjustable at 5, 10, 25, and 50 mm/sec
- **Sensitivity:** Configurable at 2.5, 5, 10, and 20 mm/mV
- **Interpretation:** Automated ECG interpretation with diagnostic reports
- **Memory & Storage:** Internal storage for up to 200-500 patient records, USB export option
- **Connectivity:** USB, LAN, Wi-Fi, Bluetooth (optional) for digital data transfer
- **Power Supply:** 110V/220V AC, 50/60Hz with a rechargeable lithium battery backup
- **User Interface:** Soft-touch keyboard or touchscreen for easy operation
- **Portability:** Compact and lightweight design with a carrying handle



# ECG Machine 12 Channel

## SPECIFICATIONS:

- **Leads:** Standard 12-lead ECG recording for comprehensive cardiac assessment
- **Display:** High-resolution LCD/TFT touchscreen for real-time waveform analysis
- **Printing System:** Thermal printer with multiple format options (3, 6, 12-channel printouts)
- **Sampling Rate:** High-frequency sampling up to 32,000 Hz for accurate ECG signals
- **Filters:** Advanced EMG, baseline drift, and AC interference filters for noise reduction
- **Recording Speed:** Adjustable at 5, 10, 25, and 50 mm/sec
- **Sensitivity:** Configurable at 2.5, 5, 10, and 20 mm/mV
- **Interpretation:** Automated ECG interpretation with diagnostic reports
- **Memory & Storage:** Internal storage for up to 200-500 patient records, USB export option
- **Connectivity:** USB, LAN, Wi-Fi, Bluetooth (optional) for digital data transfer
- **Power Supply:** 110V/220V AC, 50/60Hz with a rechargeable lithium battery backup
- **User Interface:** Soft-touch keyboard or touchscreen for easy operation
- **Portability:** Compact and lightweight design with a carrying handle



## ECG Machine 3 Channel

### SPECIFICATIONS:

- **Leads:** Standard 12-lead ECG recording with 3-channel output
- **Display:** High-resolution LCD/TFT screen for real-time waveform monitoring
- **Printing System:** Thermal printer with automatic and manual print modes
- **Recording Speed:** Adjustable at 5, 10, 25, and 50 mm/sec
- **Sensitivity:** Configurable at 2.5, 5, 10, and 20 mm/mV
- **Filters:** Advanced EMG, baseline drift, and AC interference filters for noise reduction
- **Interpretation:** Automated ECG analysis with diagnostic report generation
- **Memory & Storage:** Internal storage for up to 100-200 patient records with USB export
- **Connectivity:** USB, LAN, and optional Wi-Fi/Bluetooth for data transfer
- **Power Supply:** 110V/220V AC, 50/60Hz with rechargeable lithium battery backup
- **User Interface:** Soft-touch keypad or touchscreen for easy operation
- **Portability:** Compact, lightweight, and easy to carry for mobile use



## Syringe Pump

### SPECIFICATIONS:

- Compatible with multiple syringe sizes (5, 10, 20, 30, 50, and 60 mL).
- High infusion accuracy of  $\pm 2\%$  with proper calibration.
- Adjustable infusion rate from 0.1 mL/h to 2000 mL/h.
- Bolus function with programmable rates and volumes.
- Dynamic Pressure System (DPS) with adjustable occlusion settings.
- Comprehensive alarm system for safety alerts.
- Large LCD screen with adjustable brightness for clear visibility.
- Rechargeable lithium battery providing up to 12 hours of operation.
- Multiple infusion modes including time-based, volume-based, and dosage calculation.
- Keep Vein Open (KVO) function with programmable rates from 0.0 to 5.0 mL/h.
- Event storage capacity for up to 2000 infusion records.
- Automatic syringe detection for accurate infusion settings.
- Lightweight and compact design for easy portability.
- Operates on AC power (100–240V, 50/60Hz) with battery backup.



# Infusion Pump

## SPECIFICATIONS:

- Adjustable infusion rate ranging from 0.1 mL/h to 1500 mL/h for precise fluid delivery.
- High accuracy infusion control with an error margin of  $\pm 2\%$  for reliable administration.
- Multiple infusion modes including time-based, volume-based, and dosage calculation modes.
- Bolus function with programmable rate and volume for rapid medication delivery.
- Keep Vein Open (KVO) function to prevent catheter blockage after infusion completion.
- Comprehensive alarm system for occlusion, air-in-line, empty container, battery low, and system errors.
- Large LCD/touchscreen display with real-time infusion monitoring.
- Rechargeable lithium battery supporting up to 8-12 hours of continuous operation.
- Anti-free flow clamp for enhanced patient safety and precise fluid regulation.
- Automatic air bubble detection to minimize risks during infusion.
- Event storage for infusion history with USB/LAN/Wi-Fi connectivity options.
- Compact and lightweight design for easy transport and bedside use.



# Pulse Oximeter

## SPECIFICATIONS:

- 3.5-inch color TFT screen for clear visualization.
- Measures SpO<sub>2</sub> and pulse rate with high accuracy.
- Supports both spot-check and continuous monitoring modes.
- Stores up to 3888 groups of data for trend analysis.
- Rechargeable lithium battery with up to 15 hours of continuous use.
- Compact and lightweight design for easy portability.
- Audio and visual alarms for abnormal SpO<sub>2</sub> and pulse rate readings.
- Suitable for hospitals, clinics, and home care applications.
- Adjustable brightness and display orientation for better visibility.
- User-friendly interface with simple navigation and operation.
- Built-in memory recall for reviewing past readings.
- Durable and ergonomic design for long-term medical use.



# Ventilator

## SPECIFICATIONS:

- Adjustable infusion rate ranging from 0.1 mL/h to 1500 mL/h for precise fluid delivery.
- High accuracy infusion control with an error margin of  $\pm 2\%$  for reliable administration.
- Multiple infusion modes including time-based, volume-based, and dosage calculation modes.
- Bolus function with programmable rate and volume for rapid medication delivery.
- Keep Vein Open (KVO) function to prevent catheter blockage after infusion completion.
- Comprehensive alarm system for occlusion, air-in-line, empty container, battery low, and system errors.
- Large LCD/touchscreen display with real-time infusion monitoring.
- Rechargeable lithium battery supporting up to 8-12 hours of continuous operation.
- Anti-free flow clamp for enhanced patient safety and precise fluid regulation.
- Automatic air bubble detection to minimize risks during infusion.
- Event storage for infusion history with USB/LAN/Wi-Fi connectivity options.
- Compact and lightweight design for easy transport and bedside use.



# Bipap

## SPECIFICATIONS:

- Modes of Operation: BiPAP S, BiPAP ST, CPAP, Auto BiPAP, and AVAPS (optional).
- Pressure Range: Adjustable from 4 cmH<sub>2</sub>O to 30 cmH<sub>2</sub>O for optimal respiratory support.
- Breath Rate (BPM): Configurable backup respiratory rate for patient safety.
- Ramp Feature: Gradual pressure increase for patient comfort during sleep initiation.
- Leak Compensation: Automatic leak detection and adjustment to maintain therapy efficacy.
- Humidifier: Integrated heated humidifier to prevent dryness and improve airway comfort.
- Display & Controls: High-resolution LCD or touchscreen for real-time monitoring and easy adjustments.
- Alarms & Alerts: Audible and visual alerts for low pressure, high leak, apnea detection, and power failure.
- Data Storage & Connectivity: USB/SD card/Wi-Fi for data logging and remote monitoring.
- Power Supply: Operates on 100-240V AC, 50/60Hz, with optional battery backup for portability.



## Defibrillator

### SPECIFICATIONS:

- Modes of Operation: BiPAP S, BiPAP ST, CPAP, Auto BiPAP, and AVAPS (optional).
- Pressure Range: Adjustable from 4 cmH<sub>2</sub>O to 30 cmH<sub>2</sub>O for optimal respiratory support.
- Breath Rate (BPM): Configurable backup respiratory rate for patient safety.
- Ramp Feature: Gradual pressure increase for patient comfort during sleep initiation.
- Leak Compensation: Automatic leak detection and adjustment to maintain therapy efficacy.
- Humidifier: Integrated heated humidifier to prevent dryness and improve airway comfort.
- Display & Controls: High-resolution LCD or touchscreen for real-time monitoring and easy adjustments.
- Alarms & Alerts: Audible and visual alerts for low pressure, high leak, apnea detection, and power failure.
- Data Storage & Connectivity: USB/SD card/Wi-Fi for data logging and remote monitoring.
- Power Supply: Operates on 100-240V AC, 50/60Hz, with optional battery backup for portability.



## AED

### SPECIFICATIONS:

- Defibrillation Type: Biphasic waveform for effective shock delivery
- Energy Levels: Pre-set shock energy levels, typically 150J to 360J
- Operation Mode: Fully automatic or semi-automatic with voice prompts
- Charging Time: Quick charge time of <10 seconds for fast response
- ECG Analysis: Automatic heart rhythm detection with shock advisory system
- Electrode Pads: Pre-connected self-adhesive pads with adult and pediatric options
- Display & Indicators: LED/TFT screen or visual indicators for guidance
- Audio Prompts: Clear voice instructions for CPR and defibrillation
- Battery Life: Long-lasting lithium battery with 4-5 years of standby time
- Data Storage & Connectivity: Internal memory for event recording with USB/Wi-Fi download options
- Portability & Durability: Lightweight, shockproof, and water-resistant for emergency use



## Oxygen Concentrator

### SPECIFICATIONS:

- **Oxygen Flow Rate:** 1 – 5 LPM (Liters Per Minute) adjustable
- **Oxygen Purity:** 90% – 96% at 5LPM flow rate
- **Output Pressure:** 30 – 60 kPa for efficient oxygen delivery
- **Filtration System:** Multi-stage filtration for pure oxygen output
- **Noise Level:** Low noise operation, typically  $\leq 45$  dB
- **Power Consumption:** 350 – 500W energy-efficient motor
- **Display & Controls:** LED/LCD screen with oxygen concentration display
- **Alarms & Safety:** Alerts for low oxygen levels, high temperature, and power failure
- **Weight & Portability:** 10 – 20 kg with wheels for easy movement
- **Power Supply:** Operates on AC 220V-240V, 50/60Hz, with optional battery backup



## Suction Machine

### SPECIFICATIONS:

- **Suction Capacity:** 20 – 40 LPM (liters per minute) for effective fluid removal
- **Vacuum Pressure:** Adjustable -600 to -700 mmHg for precise suction control
- **Pump Type:** Oil-free, maintenance-free piston pump for reliable operation
- **Collection Jars:** Dual 1000mL – 2000mL autoclavable jars with overflow protection
- **Control Mechanism:** Manual knob or digital control panel for vacuum adjustments
- **Noise Level:**  $\leq 50$  dB for quiet operation
- **Operation Mode:** Continuous and intermittent suction options
- **Footswitch Control:** Hands-free operation for convenience
- **Power Supply:** AC 220V – 240V, 50/60Hz with low power consumption
- **Portability:** Compact design with wheels for easy transport



## Radiant Warmer

### SPECIFICATIONS:

- Advanced Control Panel with automatic, manual, and servo (baby) modes.
- Large LCD Display showing skin/air temperature, heater power, and mode selection.
- Safety Alarms for system failure, probe failure, power failure, and heater malfunction.
- 650-watt Heating System using Silica, Quartz, or Ceramic Heater for uniform warmth.
- Swiveling Heater Assembly with an integrated examination light for better accessibility.
- Spacious Baby Bed with drop-down sides for easy access during medical procedures.
- Multiple Temperature Modes (Servo, Manual, and Pre-warm) for precise neonatal care.
- Power Supply: Operates on AC 220V-240V, 50/60Hz with energy-efficient performance.



## Radiant Infant Warmer

### SPECIFICATIONS:

- **Heating System:** Infrared 650W ceramic/quartz/silica heater for even heat distribution.
- **Temperature Control Modes:** Servo (automatic), Manual, and Pre-warm for precise thermal regulation.
- **Skin and air temperature Sensor:** High-sensitivity probe for continuous real-time monitoring.
- **Display Panel:** LED/LCD screen showing temperature readings, heater power, and operating mode.
- **Safety Alarms:** Audio-visual alerts for high/low temperature, sensor failure, power failure, and overheating.
- **Bed Design:** Acrylic side panels with drop-down mechanism for easy patient access.
- **IV Stand & Shelf Utility:** Integrated IV pole and storage shelves for medical accessories.
- **Mobility:** Mounted on four castors with brakes for easy transport and stability.
- **Power Supply:** Operates on AC 220V-240V, 50/60Hz with energy-efficient performance.



## Phototherapy

### SPECIFICATIONS:

- **Light Source:** High-intensity LED/Fluorescent lamps for effective phototherapy.
- **Wavelength Range:** 420-500 nm blue light spectrum for bilirubin breakdown.
- **Adjustable Light Intensity:** Multiple intensity levels for controlled exposure.
- **Height & Angle Adjustability:** Adjustable stand with flexible head positioning.
- **Cooling System:** Built-in heat dissipation to prevent overheating.
- **Display & Controls:** Digital timer for monitoring treatment duration.
- **Power Supply:** Operates on AC 220V-240V, 50/60Hz with low power consumption.
- **Mobility:** Mounted on wheels with brakes for easy movement and stability.



## Bubble Cpap

### SPECIFICATIONS:

- **Oxygen Concentration (FiO<sub>2</sub>):** Adjustable from 21% to 100% with an integrated gas blender.
- **Air Source:** Built-in air compressor providing a pressure range of 20 to 60 PSI.
- **Pressure Settings:** Positive End-Expiratory Pressure (PEEP) adjustable between 2 to 15 cm H<sub>2</sub>O.
- **Flow Rate Control:** Digital adjustment from 2 to 60 LPM for varying respiratory needs.
- **Humidification System:** Heated humidifier with temperature control up to 36°C and 100% relative humidity.
- **Safety Alarms:** Alerts for high/low oxygen concentration, high airway pressure, system failure, and power failure.
- **Power Supply:** Operates on 110-230V AC, 50/60Hz with rechargeable battery backup for 1-hour operation.
- **Low Noise Emission:** Operates at ≤50 dB to maintain a quiet neonatal care environment.
- **User Interface:** Digital display with temperature and humidity monitoring for real-time control.
- **Portability:** Compact design with trolley or tabletop placement for easy transport and hospital use.



## Phototherapy

### SPECIFICATIONS:

- **Light Source:** High-intensity LED/Fluorescent lamps on both upper and lower surfaces for enhanced bilirubin breakdown.
- **Wavelength Range:** 420-500 nm blue light spectrum for effective neonatal jaundice treatment.
- **Adjustable Light Intensity:** Variable irradiance control ( $\geq 30 \mu\text{W}/\text{cm}^2/\text{nm}$ ) for optimal phototherapy.
- **Treatment Coverage:** Full-body exposure with upper and lower phototherapy panels.
- **Display & Controls:** Digital timer and LCD screen for monitoring therapy duration and light intensity.
- **Height & Angle Adjustment:** Flexible upper unit positioning for customized patient treatment.
- **Cooling System:** Built-in heat dissipation to prevent overheating.
- **Safety Features:** Auto shut-off timer and alarms for temperature fluctuations and system faults.
- **Power Supply:** Operates on AC 220V-240V, 50/60Hz with low energy consumption.
- **Mobility:** Mounted on castors with brakes for easy transport and positioning in NICU settings



## Fogger Machine

### SPECIFICATIONS:

- **Chamber Size:** 16 inches (diameter) x 24 inches (height)
- **Construction Material:** Stainless Steel (SS 304/SS 316 grade) for durability and corrosion resistance
- **Capacity:** Approximately 60-80 liters
- **Sterilization Method:** Steam sterilization at high pressure and temperature
- **Pressure Range:** 10-20 psi (adjustable)
- **Temperature Range:** 121°C – 134°C for effective sterilization
- **Heating System:** Electric heater with automatic temperature control
- **Lid Locking Mechanism:** Radial arm locking system for safety
- **Control System:** Manual or digital control panel with timer and pressure gauge
- **Safety Features:** Overpressure release valve, low-water cut-off, and auto shut-off
- **Power Supply:** Operates on 220V-240V AC, 50/60Hz
- **Mounting:** Vertical design with tripod legs or castor wheels for easy mobility
- **Applications:** Ideal for hospitals, laboratories, clinics, and pharmaceutical industries



## Autoclave Vertical

### SPECIFICATIONS:

- **Chamber Size:** 16 inches (diameter) x 24 inches (height)
- **Construction Material:** Stainless Steel (SS 304/SS 316 grade) for durability and corrosion resistance
- **Capacity:** Approximately 60-80 liters
- **Sterilization Method:** Steam sterilization at high pressure and temperature
- **Pressure Range:** 10-20 psi (adjustable)
- **Temperature Range:** 121°C – 134°C for effective sterilization
- **Heating System:** Electric heater with automatic temperature control
- **Lid Locking Mechanism:** Radial arm locking system for safety
- **Control System:** Manual or digital control panel with timer and pressure gauge
- **Safety Features:** Overpressure release valve, low-water cut-off, and auto shut-off
- **Power Supply:** Operates on 220V-240V AC, 50/60Hz
- **Mounting:** Vertical design with tripod legs or castor wheels for easy mobility
- **Applications:** Ideal for hospitals, laboratories, clinics, and pharmaceutical industries



## Autoclave Horizontal

### SPECIFICATIONS:

- **Chamber Size:** 20 inches (diameter) x 48 inches (length)
- **Capacity:** 150-200 liters (varies by model)
- **Construction Material:** High-grade stainless steel (SS 304/SS 316) for durability and corrosion resistance
- **Sterilization Method:** Steam sterilization with high-pressure and temperature
- **Pressure Range:** 10-20 psi (adjustable)
- **Temperature Range:** 121°C – 134°C for effective sterilization
- **Heating System:** Electric heaters (3kW-12kW) or steam-based heating
- **Door Type:** Single or double door (hinged/radial arm locking system) for enhanced safety
- **Control System:** Manual or digital microprocessor-based control panel with an automatic timer and pressure gauge
- **Safety Features:** Overpressure release valve, automatic pressure cutoff, water level safety switch, and auto shut-off
- **Power Supply:** Operates on 220V-440V AC, 50/60Hz depending on the heating system
- **Mounting:** Horizontal cylindrical design with sturdy legs or castor wheels for easy placement
- **Applications:** Suitable for hospitals, laboratories, research centers, pharmaceutical and industrial sterilization needs



# RADIOLOGY AND IMAGING

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Radiology and imaging involve the use of advanced technology to visualize the internal structures of the body for diagnosis, treatment planning, and monitoring. Techniques such as X-rays, CT scans, MRI, and ultrasound provide critical insights into medical conditions, aiding healthcare professionals in detecting diseases, guiding interventions, and improving patient outcomes.



## Digital Radiography

### SPECIFICATIONS:

- **Technology Type:** Flat Panel Detector (FPD) or Computed Radiography (CR)
- **Detector Type:** Amorphous Silicon (a-Si) / Cesium Iodide (CsI) / Gadolinium Oxysulfide (Gd<sub>2</sub>O<sub>2</sub>S)
- **Detector Size:** 14"x17", 17"x17", or 17"x24" for full-body imaging
- **Image Resolution:** High-resolution imaging with 16-bit depth processing
- **Pixel Pitch:** 100-150 µm for superior image clarity
- **X-Ray Generator:** High-frequency (HF) generator with power range from 32 kW to 80 kW
- **Tube Voltage:** 40 – 150 kVp adjustable for various imaging needs
- **Tube Current:** 100mA – 800mA depending on system configuration
- **Exposure Time:** 1ms – 6s for precise imaging control
- **Automatic Exposure Control (AEC):** Real-time exposure optimization to reduce radiation dose
- **Image Acquisition Time:** Less than 3 seconds for instant results
- **Software Features:** DICOM compatibility, PACS integration, AI-assisted image processing
- **User Interface:** Touchscreen console with intuitive workflow management
- **Positioning System:** Motorized or manual movement with auto-tracking detector alignment
- **Power Supply:** 220V – 440V AC, 50/60Hz, depending on model
- **Applications:** General radiography, orthopedic, chest, trauma, and pediatric imaging



## Xray machine

### SPECIFICATIONS:

- **X-Ray Generator:** High-frequency (HF) technology for efficient radiation output.
- **Tube Voltage:** Adjustable range from 40 kVp to 100 kVp.
- **Tube Current:** 100mA for consistent imaging quality.
- **Power Supply:** Operates on 220V-240V AC, 50/60Hz.
- **Exposure Time:** 0.01 to 5 seconds for precise imaging control.
- **mAs Range:** 0.1 to 100 mAs for optimized exposure settings.
- **Collimator:** Manual or automatic collimator for beam alignment.
- **Focal Spot Size:** Typically 0.6mm – 1.5mm for sharp image resolution.
- **Control Panel:** Digital touch screen or LED display for parameter adjustments.
- **Application:** Suitable for general radiography, chest, orthopedic, and trauma imaging.



## C-Arms Machine

### SPECIFICATIONS:

- **Technology Type:** High-frequency Digital / Analog / Flat Panel Detector (FPD) C-Arm
- **X-Ray Generator:** High-frequency (HF) generator for efficient imaging
- **Power Output:** 3.5 kW – 15 kW, depending on model
- **Tube Voltage:** 40 – 120 kVp adjustable for various imaging needs
- **Tube Current:** 0.2 – 150 mA for precise radiation control
- **Fluoroscopy Modes:** Continuous, Pulsed, and Digital Subtraction Angiography (DSA) modes
- **Image Intensifier / Detector:** 9-inch / 12-inch Image Intensifier or Flat Panel Detector (FPD)
- **Frame Rate:** Up to 30 fps real-time imaging for dynamic procedures
- **Magnification Modes:** Multiple zoom levels for detailed visualization
- **Image Processing:** DICOM compatibility, PACS integration, edge enhancement, contrast adjustment
- **Monitor Display:** Dual 19" or 21" high-resolution LCD/TFT medical-grade monitors
- **Memory & Storage:** Internal storage for 100,000+ images, USB, and DICOM connectivity
- **C-Arm Movement:** Motorized or manual with vertical, horizontal, and orbital rotation
- **Power Supply:** 220V – 240V AC, 50/60Hz, with backup battery (optional)
- **Applications:** Orthopedic, cardiovascular, urology, gastroenterology, neurology, and surgical procedures



## USG Ultrasound Machine

### SPECIFICATIONS:

- **Technology Type:** 2D, 3D, 4D, Doppler, and Portable Ultrasound
- **Transducer Types:** Convex, Linear, Phased Array, Endocavitary, Microconvex, and 3D/4D Probes
- **Imaging Modes:** B-Mode, M-Mode, Color Doppler, Power Doppler, Pulse Wave (PW) Doppler, Spectral Doppler
- **Frequency Range:** 2 MHz – 15 MHz, depending on the probe type
- **Display:** 15" – 21" High-resolution LED/LCD medical-grade monitor
- **Image Storage & Connectivity:** Internal memory, USB, DICOM, PACS integration, Cloud storage (optional)
- **Scanning Depth:** Up to 30 cm, adjustable for various applications
- **Frame Rate:** Up to 60 fps for real-time imaging
- **Measurement & Analysis Tools:** Fetal biometry, Cardiac analysis, Vascular calculations, OB-GYN measurements
- **Touchscreen Console & Controls:** Intuitive UI with customizable workflow
- **Portability:** Cart-based, Portable, or Handheld models available
- **Power Supply:** 110V – 240V AC, 50/60Hz with optional battery backup for portable models
- **Applications:** OB-GYN, Cardiology, Urology, Musculoskeletal, Abdominal, Vascular, and Emergency Medicine



# LAPAROSCOPY & ENDOSCOPY SET

## SPECIFICATIONS:

- Monitor: High-definition (HD) or 4K medical-grade display with dual monitor support.
- Camera System: Full HD or 4K laparoscopic camera with auto white balance and zoom functionality.
- Light Source: LED or Xenon light source with adjustable brightness and long lifespan.
- Insufflator: CO<sub>2</sub> insufflation system with adjustable pressure settings and safety alarms.
- Electrosurgical Unit: Monopolar and bipolar energy modes with adjustable power output.
- Recording & Documentation System: Built-in medical-grade video recorder with USB and external storage support.
- Trolley Cart: Mobile design with lockable caster wheels and multiple shelves for organized storage.
- Foot Pedal: Hands-free operation of electrosurgical unit with ergonomic dual pedal design.
- Connectivity & Compatibility: HDMI, USB, and DVI ports with integration for hospital data systems
- Image Processing Unit: Advanced image enhancement with real-time noise reduction and color correction.
- Suction Irrigation System: High-flow suction and irrigation for clear surgical field visibility.
- CO<sub>2</sub> Cylinder Holder: Secure mounting for CO<sub>2</sub> cylinder with pressure regulation system.
- Sterilization Compatibility: Components compatible with standard sterilization methods for infection control.
- Emergency Safety Features: Auto shut-off, overheat protection, and system failure alerts.
- Power Supply: Universal voltage compatibility with battery backup option for uninterrupted operation.



# HOSPITAL FURNITURE

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Hospital furniture includes specialized equipment designed to support patient care and ensure comfort in medical settings. This includes beds, chairs, tables, and cabinets, all engineered for durability, hygiene, and functionality. Proper hospital furniture enhances patient safety, aids medical staff efficiency, and contributes to a healing environment for recovery and treatment.



## ICU Seven Function Motorized Bed

### SPECIFICATIONS:

- **Mattress Platform:** Four-section top constructed from CRCA (Cold Rolled Close Annealed) material.
- **Head and Foot Boards:** Detachable, polymer-molded head and foot bows designed for an aesthetically pleasing appearance.
- **Split Side Rails:** Four-piece ABS side rails ensure patient safety by preventing falls.
- **Protective Features:** Equipped with corner bumpers for added protection.
- **Operational Functions:** Adjustable positions include backrest, knee rest, Trendelenburg/reverse Trendelenburg, and height adjustment operated by a handheld manual.
- **Mobility:** Fitted with four 125mm Abs castors featuring a Diagonal locking system.
- **Additional Features:** Includes provisions for a saline stand and mattress holders.
- **Overall Dimensions:** 2160mm (Length) x 1060mm (Width).
- **Optional Accessories:** Mattress (1930mm x 900mm x 100mm).



## ICU Five Function Motorized Bed

### SPECIFICATIONS:

- **Frame Construction:** Built using rectangular CRCA Sheet tubing for durability.
- **Mattress Platform:** Comprises four sections made of CRCA Sheet.
- **Adjustable Functions:** Features backrest, knee rest, Trendelenburg/reverse Trendelenburg, and height adjustment, all controlled via an electric actuator operated by a handheld remote.
- **Head and Foot Boards:** Made from ABS molding for a sleek and durable design.
- **Safety Side Rails:** Collapsible side rails provide enhanced patient safety.
- **IV Rod:** Telescopic IV rod with two designated mounting positions.
- **Mobility:** Equipped with 125mm diameter castors, two of which have braking mechanisms for stability.
- **Overall Dimensions:** 210 cm (Length) x 90 cm (Width) x 50-70 cm (Height).
- **Finish:** Coated with epoxy powder for durability and corrosion resistance.
- **Optional Accessories:** Mattress (1930mm x 900mm x 100mm).



## ICU Three Function Motorized Bed

### SPECIFICATIONS:

- **Frame Construction:** Built using rectangular CRCA Sheet tubing for durability.
- **Mattress Platform:** Comprises four sections made of CRCA Sheet.
- **Adjustable Functions:** Features backrest, knee rest, Trendelenburg/reverse Trendelenburg, all controlled via an electric actuator operated by a handheld remote.
- **Head and Foot Boards:** Made from ABS molding for a sleek and durable design.
- **Safety Side Rails:** Collapsible side rails provide enhanced patient safety.
- **IV Rod:** Telescopic IV rod with two designated mounting positions.
- **Mobility:** Equipped with 125mm diameter castors, two of which have braking mechanisms for stability.
- **Overall Dimensions:** 210 cm (Length) x 90 cm (Width) x 50-70 cm (Height).
- **Finish:** Coated with epoxy powder for durability and corrosion resistance.
- **Optional Accessories:** Mattress (1930mm x 900mm x 100mm).



## ICU Five Function Manual Deluxe Bed

### SPECIFICATIONS:

- **Mattress Platform:** Four-section top constructed from CRCA (Cold Rolled Close Annealed) material.
- **Head and Foot Boards:** Detachable, polymer-molded head and foot bows designed for an aesthetically pleasing appearance.
- **Split Side Rails:** Four-piece ABS side rails ensure patient safety by preventing falls.
- **Protective Features:** Equipped with corner bumpers for added protection.
- **Operational Functions:** Adjustable positions include backrest, knee rest, Trendelenburg/reverse Trendelenburg, and height adjustment operated by a handheld manual.
- **Mobility:** Fitted with four 125mm Abs castors featuring a Diagonal locking system.
- **Additional Features:** Includes provisions for a saline stand and mattress holders.
- **Overall Dimensions:** 2160mm (Length) x 1060mm (Width).
- **Optional Accessories:** Mattress (1930mm x 900mm x 100mm).



## ICU Five Function Manual Bed

### SPECIFICATIONS:

- **Frame Construction:** Built using rectangular CRCA Sheet tubing for durability.
- **Mattress Platform:** Comprises four sections made of CRCA Sheet.
- **Adjustable Functions:** Features backrest, knee rest, Trendelenburg/reverse Trendelenburg, and height adjustment, operated by a handheld manual.
- **Head and Foot Boards:** Made from ABS molding for a sleek and durable design.
- **Safety Side Rails:** Collapsible side rails provide enhanced patient safety.
- **IV Rod:** Telescopic IV rod with two designated mounting positions.
- **Mobility:** Equipped with 125mm diameter castors, two of which have braking mechanisms for stability.
- **Overall Dimensions:** 210 cm (Length) x 90 cm (Width) x 50-70 cm (Height).
- **Finish:** Coated with epoxy powder for durability and corrosion resistance.
- **Optional Accessories:** Mattress (1930mm x 900mm x 100mm).



## ICU Three Function Manual Deluxe Bed

### SPECIFICATIONS:

- **Frame Construction:** Built using rectangular CRCA Sheet tubing for durability.
- **Mattress Platform:** Comprises four sections made of CRCA Sheet.
- **Adjustable Functions:** Features backrest, knee rest, Trendelenburg/reverse Trendelenburg, operated by a handheld manual.
- **Head and Foot Boards:** Made from ABS molding for a sleek and durable design.
- **Safety Side Rails:** ABS retractable side rails provide enhanced patient safety.
- **IV Rod:** Telescopic IV rod with two designated mounting positions.
- **Mobility:** Equipped with 125mm diameter castors, two of which have braking mechanisms for stability.
- **Overall Dimensions:** 210 cm (Length) x 90 cm (Width) x 50-70 cm (Height).
- **Finish:** Coated with epoxy powder for durability and corrosion resistance.
- **Optional Accessories:** Mattress (1930mm x 900mm x 100mm).



## ICU Three Function Manual Bed

### SPECIFICATIONS:

- **Frame Construction:** Built using rectangular CRCA Sheet tubing for durability.
- **Mattress Platform:** Comprises four sections made of CRCA Sheet.
- **Adjustable Functions:** Features backrest, knee rest, Trendelenburg/reverse Trendelenburg, operated by a handheld manual.
- **Head and Foot Boards:** Made from ABS molding for a sleek and durable design.
- **Safety Side Rails:** Collapsible side rails provide enhanced patient safety.
- **IV Rod:** Telescopic IV rod with two designated mounting positions.
- **Mobility:** Equipped with 125mm diameter castors, two of which have braking mechanisms for stability.
- **Overall Dimensions:** 210 cm (Length) x 90 cm (Width) x 50-70 cm (Height).
- **Finish:** Coated with epoxy powder for durability and corrosion resistance.
- **Optional Accessories:** Mattress (1930mm x 900mm x 100mm).



## Fowler Bed Deluxe

### SPECIFICATIONS:

- **Frame Construction:** Built using rectangular CRCA Sheet tubing for durability.
- **Mattress Platform:** Comprises four sections made of CRCA Sheet.
- **Adjustable Functions:** Features backrest, knee rest, operated by a handheld Manual.
- **Head and Foot Boards:** Made from ABS molding for a sleek and durable design.
- **Safety Side Rails:** ABS side rails provide enhanced patient safety.
- **IV Rod:** Telescopic IV rod with two designated mounting positions.
- **Mobility:** Equipped with 125mm diameter castors, two of which have braking mechanisms for stability.
- **Overall Dimensions:** 210 cm (Length) x 90 cm (Width) x 50-70 cm (Height).
- **Finish:** Coated with epoxy powder for durability and corrosion resistance.
- **Optional Accessories:** Mattress (1930mm x 900mm x 100mm).



## Fowler Bed Manual

### SPECIFICATIONS:

- **Frame Construction:** Built using rectangular CRCA Sheet tubing for durability.
- **Mattress Platform:** Comprises four sections made of CRCA Sheet.
- **Adjustable Functions:** Features backrest, knee rest, operated by a handheld Manual.
- **Head and Foot Boards:** Made from ABS molding for a sleek and durable design.
- **Safety Side Rails:** Collapsible side rails provide enhanced patient safety.
- **IV Rod:** Telescopic IV rod with two designated mounting positions.
- **Mobility:** Equipped with 125mm diameter castors, two of which have braking mechanisms for stability.
- **Overall Dimensions:** 210 cm (Length) x 90 cm (Width) x 50-70 cm (Height).
- **Finish:** Coated with epoxy powder for durability and corrosion resistance.
- **Optional Accessories:** Mattress (1930mm x 900mm x 100mm).



## Semi Fowler Bed Deluxe

### SPECIFICATIONS:

- **Frame Construction:** Built using rectangular CRCA Sheet tubing for durability.
- **Mattress Platform:** Comprises four sections made of CRCA Sheet.
- **Adjustable Functions:** Features backrest, operated by a handheld remote.
- **Head and Foot Boards:** Made from ABS molding for a sleek and durable design.
- **Safety Side Rails:** ABS side rails provide enhanced patient safety.
- **IV Rod:** Telescopic IV rod with two designated mounting positions.
- **Mobility:** Equipped with 125mm diameter castors, two of which have braking mechanisms for stability.
- **Overall Dimensions:** 210 cm (Length) x 90 cm (Width) x 50-70 cm (Height).
- **Finish:** Coated with epoxy powder for durability and corrosion resistance.
- **Optional Accessories:** Mattress (1930mm x 900mm x 100mm).



## Semi Fowler Bed Manual

### SPECIFICATIONS:

- **Frame Construction:** Built using rectangular CRCA Sheet tubing for durability.
- **Mattress Platform:** Comprises four sections made of CRCA Sheet.
- **Adjustable Functions:** Features backrest, operated by a handheld remote.
- **Head and Foot Boards:** Made from ABS molding for a sleek and durable design.
- **Safety Side Rails:** Collapsible side rails provide enhanced patient safety.
- **IV Rod:** Telescopic IV rod with two designated mounting positions.
- **Mobility:** Equipped with 125mm diameter castors, two of which have braking mechanisms for stability.
- **Overall Dimensions:** 210 cm (Length) x 90 cm (Width) x 50-70 cm (Height).
- **Finish:** Coated with epoxy powder for durability and corrosion resistance.
- **Optional Accessories:** Mattress (1930mm x 900mm x 100mm).



## Plain Bed Manual

### SPECIFICATIONS:

- **Frame Construction:** Made from CRCA rectangular tubes for strength and durability.
- **Bedtop:** Constructed from a CRCA perforated sheet for enhanced ventilation and support.
- **Head and Foot Boards:** Detachable metal head and foot bows designed for an aesthetically pleasing appearance.
- **Surface Finish:** All metal components undergo a pre-treatment process and are coated with epoxy powder for durability and corrosion resistance.
- **Dimensions:** 2030 mm (Length) x 900 mm (Width) x 600 mm (Height).
- **Optional Accessories:** Mattress (1930mm x 900mm x 100mm).



## Delivery Bed Hydraulic

### SPECIFICATIONS:

- **Overall Size:** 1880 mm (L) x 900 mm (W) x 600-800 mm (H)
- Tubular framework mounted on 125 mm diameter castors, two with brakes
- Three-section top made of MS pipe with fixed cushioned mattress
- Trendelenburg/Reverse Trendelenburg positions, back section adjustment manually operated
- Height adjustment through an imported hydraulic pump
- Leg-end section can slide under the main section
- Provided with a pair of upholstered lithotomy position supports
- SS telescopic IV rod
- Detachable SS tray



## Bedside Locker Super Deluxe

### SPECIFICATIONS:

- **Frame:** Constructed from metal for durability.
- **Material Composition:** Cabinet top, drawer, tray, layer board, door, and base made of ABS.
- **Towel Hangers:** Adjustable towel hangers on both sides of the cabinet.
- **Dining Board:** Positioned between the drawer and tabletop for convenience.
- **Storage Capacity:** Designed to accommodate a thermos, washbasin, and other essentials.
- **Product Name:** Medical bedside cabinet.
- **Dimensions:** 465 mm (L) x 455 mm (W) x 810 mm (H).
- **Accessories:** Includes one drawer, one layer board, and one cabinet.



## Bedside Locker Deluxe

### SPECIFICATIONS:

- Constructed from high-quality sheet metal for durability.
- Stainless steel top with raised edges on three sides for spill prevention.
- Features a storage cabinet and a single drawer beneath the top, with additional space for utilities.
- **Approximate dimensions:** 40 cm (L) x 40 cm (W) x 82 cm (H).
- Mounted on four castors with a 5 cm diameter for easy mobility.
- Pre-treated and finished with epoxy powder coating for enhanced durability and corrosion resistance.



## Bedside Locker General

### SPECIFICATIONS:

- Constructed from high-quality sheet metal for durability.
- Stainless steel top for a sturdy and hygienic surface.
- Machine-pressed sheet box with a heavy-gauge door for secure storage.
- Approximate dimensions: 40 cm (L) x 40 cm (W) x 82 cm (H).
- Mounted on rubber stumps for stability.
- Pre-treated and finished with epoxy powder coating for durability and corrosion resistance.



## Bedside Locker General

### SPECIFICATIONS:

- Laminate table top approx. 80cm (L) x 38cm (W)
- Approx. 40mm x 80mm outer support steel tube
- Approx. 40mm square steel tubing legs
- Fingertip pressure height adjustable: 76cm - 106cm
- Mounted on four 5 cms. Dia. castors
- Pre-treated and epoxy powder coated finish



## Over Bed Table Gear Type

### SPECIFICATIONS:

- Table base and frame work made of steel tubes mounted on four 5 cms. Dia. castors
- Overall size of laminated top : 30" x 16"W adjustable by gear handle.
- Pre-treated and epoxy powder coated
- Knockdown construction



## Over Bed Table Knob Type

### SPECIFICATIONS:

- Table base and frame work made of steel tubes mounted on four 5 cms. Dia. castors
- Overall size of laminated top : 30" x 16"W adjustable by side knob
- Pre-treated and epoxy powder coated
- Knockdown construction



## Over Bed Table Fixed Type

### SPECIFICATIONS:

- **Overall approx size:** 1050 (L) mm x 400 (W) mm x 975 (H) mm
- Mild steel frame work mounted on 50 mm Dai. castors
- Approx. 750 mm x 400 mm laminated top
- Pre treated and Epoxy powder coated



## Bedside Screen 4 Panels

### SPECIFICATIONS:

- **Overall approx, size:** 1680mm(H)x 2450mm(W)
- MS tubular construction in four section
- Mounted on 50 mm dia. castors
- Supplied with hooks and spring with curtain
- **Finish:** Pre treated and Epoxy powder coated



## Foot Step

### SPECIFICATIONS:

- Tubular MS steel frame work mounted on rubber shoes
- Steps with rubber mat, surrounded by aluminum angle
- **Finish:** Epoxy powder coated



Item Code	Size Approx.
MarkEn -1021	460 (L) x 510 (W) x 230 (H) mm
MarkEn -1022	460 (L) x 510 (W) x 460 (H) mm

## Hospital Wash Basin Stand

### SPECIFICATIONS:

- Five legs base mounted on 5 cm dia. castore
- Pre-teated and Epoxy powder coated
- Also available in S.S. pipe & rings

Item Code	Size Approx.
MarkEn -1023	Single (35 cms S.S. basin)
MarkEn -1024	Double (35 cms S.S. basin)



## Revolving Patient Stool S.S. Top

### SPECIFICATIONS:

- M.S. tubular frame with four legs fitted with PVC stumps
- Foot ring supports
- S.S. top, adjustable heights from 18 to 27 through screw mechanism
- Pre treated and epoxy powder coated



## Hydraulic Stool Back Support

### SPECIFICATIONS:

- Patient Stool Revolving with Cushion Top & Backrest
- Epoxy powder coated framework.
- Plastic base with 5 wheels
- Height adjustable using pneumatic gas spring



## Revolving Stool S.S. Top

### SPECIFICATIONS:

- S.S. tubular frame with four legs fitted with PVC stumps
- Foot ring supports
- S.S. top, adjustable heights from 18 to 27 through screw mechanism
- Pre treated and epoxy powder coated



## Emergency Recovery Trolley

### SPECIFICATIONS:

- **Overall Dimensions:** Approx. 2060mm (L) x 755mm (W).
- **Mattress Platform Size:** Approx. 1730mm (L) x 670mm (W).
- **Height Adjustment (Hi-Low):** Ranges from 770mm to 970mm.
- **Height Adjustment Mechanism:** High-quality hydraulic jack.
- **Safety Features:** Aluminum collapsible safety side railings.
- **Mobility:** Mounted on 150mm diameter castors, two with brakes.
- **IV Stand Compatibility:** Provision for attaching an IV stand.
- **Protection & Comfort:** Bumpers at all four corners.
- Polyurethane rebound foam mattress with a waterproof cover.
- **Durability & Finish:** Pre-treated with a powder-coated finish.



## Stretcher Trolley SS

### SPECIFICATIONS:

- **Dimensions:** 213 cm (L) x 56 cm (W) x 81 cm (H)
- **Frame Construction:** Made of CRC tubes, ensuring durability
- **Mobility:** Mounted on 15 cm diameter castors for smooth movement
- **Stretcher Top:** Removable design with a chrome-plated handle for easy handling
- **Finish & Coating:** Pre-treated with an SS 202 grade coated finish for enhanced protection
- **Comfort:** Supplied with a mattress for patient support



## Stretcher Trolley MS

### SPECIFICATIONS:

- **Dimensions:** 213 cm (L) x 56 cm (W) x 81 cm (H)
- **Frame Construction:** Made of CRC tubes, ensuring durability
- **Mobility:** Mounted on 15 cm diameter castors for smooth movement
- **Stretcher Top:** Removable design with a chrome-plated handle for easy handling
- **Finish & Coating:** Pre-treated with an epoxy powder coated finish for enhanced protection
- **Comfort:** Supplied with a mattress for patient support



## Ambulance Stretcher

### SPECIFICATIONS:

- **Design:** Three-step structure designed to match the ambulance carriage bottom board height
- **Material:** Constructed from high-strength aluminum alloy for durability
- **Hygiene & Safety:** Easy to sterilize and clean, ensuring safe use
- **Bed Surface:** Made of foamed cushion with waterproof material for comfort and protection
- **Adjustable Backrest:** Allows for customized positioning to enhance patient comfort
- **Safety Lock Mechanism:** Must be locked during transport for stability
- Unlocks when loading into the ambulance for smooth handling
- **Mechanical Folding Legs:** Controlled by handles on both sides for easy operation
- **Single-Person Operation:** Designed to enable one person to load a patient into an ambulance
- **Castor Size:** Approximately 125mm diameter for mobility
- **Dimensions:** High Position: 190 cm (L) x 54 cm (W) x 90 cm (H)
- **Low Position:** 190 cm (L) x 54 cm (W) x 25 cm (H)
- **Weight & Load Capacity:**
  - **Self-weight:** 40 kg
  - **Maximum Load Bearing:** 181 kg



## Stretcher Trolley MS

### SPECIFICATIONS:

- Stretcher pipe made of Aluminium
- With carry bag
- Load Bearing capacity 90-100 Kgs

Item Code	Size Approx.
MarkEn -1025	Stretcher 2 Folds
MarkEn -1026	Stretcher 4 Folds



## Folding Wheelchair

### SPECIFICATIONS:

- 24" mag wheel with P.U tubeless tire
- 8" castor with P.U tubeless tires
- Load capacity: 100 kg
- Both side hand operated plated brakes
- P.P molded foot rest with chrome plated adjustable leg rest
- Frame: M.S chrome plated
- Arm rest: Fixed with soft PU top
- Weight: 13.4 kg
- Seat & back rest: Cloth folding washable
- Seat width: 16" & 18"



## Blood Transfusion Chair

### SPECIFICATIONS:

- Blood sampling chair with fixed height approx. 670 mm
- Comfortable upholstery with good density approx, width 550
- Mild Steel epoxy powder coated finish
- Adjusting back rest via 1 gas jack
- Adjusting leg rest via a self locking mechanism system
- Equipped with 2 blood test splints, every position adjustable by serrated blocks system
- Load capacity: 130kg



# Examination Couch

## SPECIFICATIONS:

- **Dimensions:** Overall size: 1830mm (L) x 610mm (W) x 810mm (H) (Standard size, may vary)
- **Frame Construction:** Made from CRC (Cold Rolled Close Annealed) steel tubes or stainless steel for durability Pre-treated and powder-coated finish for corrosion resistance
- **Couch Surface:** Padded top with high-density foam for patient comfort Waterproof, anti-bacterial, and easy-to-clean synthetic leather or vinyl covering
- **Adjustable Backrest:** Manually adjustable backrest with different reclining positions Adjustable through a ratchet system or gas spring mechanism
- **Base & Stability:** Equipped with rubber stoppers or non-slip legs for stability
- **Additional Features:** Provision for IV stand attachment Optional storage cabinet or drawers beneath for medical accessories



# LAPAROSCOPY INSTRUMENTS

## SPECIFICATIONS:

- **Trocar and Cannula:** Available in 5mm, 10mm, and 12mm sizes with valve system.
- **Laparoscopic Graspers:** Insulated handle with ratchet locking system, available in atraumatic and toothed varieties.
- **Laparoscopic Scissors:** Metzenbaum and hook scissors, reusable and disposable variants.
- **Laparoscopic Needle Holder:** Tungsten carbide jaws, available in straight and curved variants.
- **Laparoscopic Dissector:** Maryland, Dolphin, and Right Angle dissectors with insulated shafts.
- **Suction Irrigation Cannula:** Dual-channel system for fluid management, compatible with trocars.
- **Veress Needle:** Spring-loaded blunt tip, available in 120mm and 150mm lengths.
- **Clip Applicator:** Used for vessel and duct ligation, available in straight and curved designs.
- **Electrosurgical Instruments:** Monopolar and bipolar forceps with insulated handles.
- **Endoscopic Needle Holder:** Used for laparoscopic suturing, available in straight and curved tip options.
- **Laparoscopic Specimen Retrieval Bag:** Single-use sterile design, available in multiple sizes.
- **Reducer Sleeves:** Allows smaller instruments to be used in larger trocars.
- **Hasson Trocar:** Blunt-tipped with an adjustable sleeve for open laparoscopy entry.
- **Laparoscopic Knot Pusher:** Used for extracorporeal knot tying, available in straight and curved variants.



## IV Stand SS

### SPECIFICATIONS:

- **Material & Construction:** Made from high-quality stainless steel (SS 304/SS 202 grade) for durability and corrosion resistance. Tubular frame with a smooth, polished finish for easy cleaning and hygiene maintenance
- **Height Adjustment:** Telescopic height adjustment ranging from 1350mm to 2100mm (approx.) Adjustable via screw knob or push-button mechanism
- **Hook Configuration:** Dual or four-hook design for holding multiple IV fluid bags. Hooks made of stainless steel with a rounded finish for safety
- **Base & Mobility:** Five-legged or four-legged base for stability and balance. Mounted on 50mm to 100mm diameter castors for smooth movement. Two castors with brakes (optional) for secure positioning
- **Load Capacity:** Designed to hold multiple IV fluid bottles or infusion pumps. Load-bearing capacity of up to 10-15 kg



## SURGICAL INSTRUMENT

### SPECIFICATIONS:

- **Scalpel Handle:** Used to hold surgical blades for making incisions.
- **Surgical Scissors:** Includes Mayo, Metzenbaum, and Iris scissors for cutting tissue and sutures.
- **Hemostatic Forceps:** Includes Kelly, Mosquito, and Crile forceps for controlling bleeding.
- **Tissue Forceps:** Includes toothed and non-toothed forceps for handling delicate tissues.
- **Needle Holder:** Used to hold and manipulate surgical needles during suturing.
- **Dissecting Forceps:** Straight and curved variations for handling tissues during dissection.
- **Thumb Forceps:** Used for grasping and holding tissues or dressings.
- **Allis Forceps:** Used for grasping soft tissues in surgical procedures.
- **Adson Forceps:** Fine-tip forceps used for handling delicate tissues.
- **Kocher Forceps:** Used for clamping large tissues or blood vessels.
- **Dressing Forceps:** Used for applying or removing dressings.
- **Towel Clamps:** Used to secure surgical drapes during procedures.
- **Retractors:** Used for holding back tissue to provide better visibility.
- **Probe and Grooved Director:** Used for guiding probes or draining abscesses.
- **Suture Scissors:** Used for cutting sutures during closure



# CHEST FREEZERS HARD TOP

## FEATURES

Eco Friendly Refrigerant  
Low Power Consumption

Hinge Door  
Door Lock

Durable Castors (Wheels)  
Tropicalized @ 40°C

### Smart Temperature Control

Precise temperature adjustments, ensuring optimal storage conditions for various goods.

### Energy Efficient Models

Advanced insulation and energy-saving modes to reduce electricity consumption.

### Dual Temperature

All the models are convertible i.e can be used as a Freezer as well as Chiller.



## Hard Top Chest Freezer: 200 L



**Gross Capacity:**  
220 L



**Net Capacity:**  
200 L



**Dimensions : (WxDxH)**  
815 X 715 X 825 mm



**Packaging Dimensions : (WxDxH)**  
855 X 745 X 885 mm



**Operating Voltage:**  
230V, 50Hz, 1Ph



**PUF Insulation:**  
60 mm



**MF3DHT230SD**

## Hard Top Chest Freezer: 300 L



**Gross Capacity:**  
330 L



**Net Capacity:**  
300 L



**Dimensions : (WxDxH)**  
1105X 715 X 850 mm



**Packaging Dimensions : (WxDxH)**  
1150 X 745 X 885 mm



**Operating Voltage:**  
230V, 50Hz, 1Ph



**PUF Insulation:**  
60 mm



**MF3DHT340SD**

## Hard Top Chest Freezer: 400 L



**Gross Capacity:**  
440 L



**Net Capacity:**  
398L



**Dimensions : (WxDxH)**  
1395X 710 X 850 mm



**Packaging Dimensions : (WxDxH)**  
1445X 745 X 885 mm



**Operating Voltage:**  
230V, 50Hz, 1Ph



**PUF Insulation:**  
60 mm



**MF4DHT450DD**

## Hard Top Chest Freezer: 500 L



**Gross Capacity:**  
550 L



**Net Capacity:**  
498 L



**Dimensions : (WxDxH)**  
1685X 715 X 845 mm



**Packaging Dimensions: (WxDxH)**  
1735X 745 X 885 mm



**PUF Insulation:**  
60 mm



**Operating Voltage:**  
230V, 50Hz, 1Ph



**MF5DHT550DD**

## Hard Top Chest Freezer: 300 L (Combi)



**Gross Capacity:**  
C166 L / F 130 L



**Net Capacity:**  
C 150 L / F 115 L



**Dimensions: (WxDxH)**  
1105X 720 X 845 mm



**Packaging Dimensions: (WxDxH)**  
1175X 760 X 900mm



**PUF Insulation:**  
60 mm



**Operating Voltage:**  
230V, 50Hz, 1Ph



**MFDHT310DDC**

## Hard Top Chest Freezer: 400 L (Combi)



**Gross Capacity:**  
C220 L / F 185L



**Net Capacity:**  
C 205 L / F 170 L



**Dimensions: (WxDxH)**  
1395X 720 X 845 mm



**Packaging Dimensions: (WxDxH)**  
1465X 760 X 900mm



**PUF Insulation:**  
60 mm



**Operating Voltage:**  
230V, 50Hz, 1Ph



**MFDHT410DDC**

## SPECIFICATIONS: - HARD TOP CHEST FREEZER CONVERTABLE

Description	MF3DHT230SD	MF3DHT340SD	MF4DHT450DD	MF5DHT560DD	MFDHT310DDC	MFDHT410DDC
<b>BEE Star Rating</b>	3 Star	3 Star	4 Star	5 Star	NA	NA
<b>Capacity (Litres)</b>	200	300	400	500	166C + 130F	218C + 183F
<b>External Dimension in mm (WxDxH)</b>	815 x 720 x 825	1105 x 720 x 845	1395 x 720 x 845	1685 x 720 x 845	1115 x 720 x 845	1395 x 720 x 845
<b>Packaging Dimension in mm (WxDxH)</b>	885 x 760 x 900	1175 x 760 x 900	1465 x 760 x 900	1755 x 760 x 900	1180 x 770 x 885	1475 x 770 x 885
<b>Baskets</b>	1	1	1	2	2	2
<b>No Of Doors</b>	1	1	2	2	2	2
<b>Temperature Range - °C</b>	+5°C to -27°C	+5°C to -27°C	+5°C to -27°C	+5°C to -27°C	+2°C to +8°C / -16°C to -24°C	+2°C to +8°C / -16°C to -24°C
<b>Castors (Wheels)</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Lock &amp; Key</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Warranty</b>	1+4 years	1+4 years	1+4 years	1+4 years	1+4 years	1+4 years

**Warranty note-** The product comes with 1 year comprehensive warranty & after that 4 years warranty of compressor.

Note : specifications:s, features, and colours are subject to change without intimation.

# VISI COOLERS

## FEATURES

Eco Friendly Refrigerant  
Low Power Consumption

LED Lighting for Better  
Visibility High Insulation

Double Vacuum Glass door  
Adjustable Shelves

### Multi - Capacity

Options with multiple sizes  
in capacity and doors for all  
kind of cooling needs.

### Branding Space

All Visi-Coolers have multiple  
brand visibility options with  
added Canopy.

### Multi - Doors

Options of Single Door  
& Double Doors in  
various capacity.



## Visi Cooler: 200 L



**Gross Capacity:**  
219 L



**Net Capacity:**  
185 L



**Dimensions: (WxDxH)**  
518 X 615 X 1443 mm



**Internal Dimensions: (WxDxH)**  
427 X 475 X 1110 mm



**Door:**  
Single Door



**Shelves:**  
3



**MFVC225NCSD**

## Visi Cooler: 300 L



**Gross Capacity:**  
345L



**Net Capacity:**  
300 L



**Dimensions: (WxDxH)**  
583 X 684 X 1660 mm



**Internal Dimensions: (WxDxH)**  
495 X 536 X 1250 mm



**Door:**  
Single Door



**Shelves:**  
4



**MFVC350NCSD**

## Visi Cooler: 400 L



**Gross Capacity:**  
436L



**Net Capacity:**  
384 L



**Dimensions: (WxDxH)**  
583 X 684 X 1991 mm



**Internal Dimensions: (WxDxH)**  
495 X 536 X 1580 mm



**Door:**  
Single Door



**Shelves:**  
5



**MFVC440NCSD**

## Visi Cooler: 500 L



**Gross Capacity:**  
485L



**Net Capacity:**  
433 L



**Dimensions: (WxDxH)**  
643 X 684 X 1991 mm



**Internal Dimensions: (WxDxH)**  
555 X 536 X 1580 mm



**Door:**  
Single Door



**Shelves:**  
5



**MFVC500NCSD**

## Visi Cooler: 700 L



**Gross Capacity:**  
766 L



**Net Capacity:**  
674 L



**Dimensions: (WxDxH)**  
950 X 684 X 1991 mm



**Internal Dimensions: (WxDxH)**  
867 X 536 X 1580 mm



**Door:**  
Double Door



**Shelves:**  
6 + 6 = 12



**MFVC770NCDD**

## Visi Cooler: 1000 L



**Gross Capacity:**  
998L



**Net Capacity:**  
891 L



**Dimensions: (WxDxH)**  
1100 X 752 X 1991 mm



**Internal Dimensions: (WxDxH)**  
1050 X 605 X 1580 mm



**Door:**  
Double Door



**Shelves:**  
7 + 7 = 14



**MFVC1000NCDD**

## SPECIFICATIONS: - VISI COOLERS WITHOUT CANOPY

Description	MFVC225NCSD	MFVC350NCSD	MFVC440NCSD	MFVC500NCSD	MFVC770NCDD	MFVC1000NCDD
<b>Capacity (Litres)</b>	219	345	436	485	766	998
<b>External Dimensions in mm (WxDxH)</b>	518 x 615 x 1443	583 x 684 x 1660	583 x 684 x 1991	643 x 684 x 1991	950 x 684 x 1991	1100 x 752 x 1991
<b>Internal Dimensions in mm (WxDxH)</b>	427 x 475 x 1110	495 x 536 x 1250	495 x 536 x 1580	555 x 536 x 1580	867 x 537 x 1580	1050 x 605 x 1580
<b>Shelves</b>	3	4	5	5	10	10
<b>No Of Glass Doors</b>	1	1	1	1	2	2
<b>Temperature Range - °C</b>	2°C to 8°C					
<b>Castors (Wheels)</b>	Uni-direction roller wheels					
<b>Lock</b>	Pad Lock					
<b>Warranty</b>	1+2 years					

**Warranty note-** The product comes with 1 year comprehensive warranty & after that 2 years warranty of compressor.

Note : specifications, features, and colours are subject to change without intimation.

## Visi Cooler: 300 L (With Canopy)



**Gross Capacity:**  
341L



**Net Capacity:**  
294 L



**Dimensions: (WxDxH)**  
583 X 684 X 1660 mm



**Internal Dimensions: (WxDxH)**  
495 X 536 X 1250 mm



**Door:**  
Single Door



**Shelves:**  
4



**MFVC350WCSD**

## Visi Cooler: 400 L (With Canopy)



**Gross Capacity:**  
432 L



**Net Capacity:**  
380 L



**Dimensions: (WxDxH)**  
583 X 684 X 1991 mm



**Internal Dimensions: (WxDxH)**  
495 X 536 X 1580 mm



**Door:**  
Single Door



**Shelves:**  
5



**MFVC440WCSD**

## Visi Cooler: 500 L (With Canopy)



**Gross Capacity:**  
485L



**Net Capacity:**  
429 L



**Dimensions: (WxDxH)**  
643 X 684 X 1991 mm



**Internal Dimensions: (WxDxH)**  
555 X 536 X 1580 mm



**Door:**  
Single Door



**Shelves:**  
5



**MFVC500WCSD**

## Visi Cooler: 700 L (With Canopy)

 **Gross Capacity:**  
728 L

 **Net Capacity:**  
674 L

 **Dimensions: (WxDxH)**  
950 X 684 X 1991 mm

 **Internal Dimensions: (WxDxH)**  
867 X 536 X 1580 mm

 **Door:**  
Double Door

 **Shelves:**  
6 + 6 = 12



**MFVC770WCDD**

## Visi Cooler: 1000 L (With Canopy)

 **Gross Capacity:**  
998L

 **Net Capacity:**  
891 L

 **Dimensions: (WxDxH)**  
1100 X 752 X 1991 mm

 **Internal Dimensions: (WxDxH)**  
1050 X 605 X 1580 mm

 **Door:**  
Double Door

 **Shelves:**  
7 + 7 = 14



**MFVC1000WCDD**



## SPECIFICATIONS: - VISI COOLER WITH CANOPY

Description	MFVC350WCSD	MFVC440WCSD	MFVC500WCSD	MFVC770WCDD	MFVC1000WCDD
<b>Capacity (Litres)</b>	341	432	485	766	998
<b>External Dimension in mm (WxDxH)</b>	583 x 684 x 1660	583 x 684 x 1991	643 x 684 x 1991	950 x 684 x 1991	1100 x 752 x 1991
<b>Internal Dimension in mm (WxDxH)</b>	495 x 536 x 1250	495 x 536 x 1580	555 x 536 x 1580	867 x 537 x 1580	1050 x 605 x 1580
<b>Shelves</b>	4	5	5	10	10
<b>No Of Glass Doors</b>	1	1	1	2	2
<b>Temperature Range - °C</b>	2°C to 8°C				
<b>Castors (Wheels)</b>	Uni-direction roller wheels				
<b>Lock</b>	Pad Lock				
<b>Warranty</b>	1+2 years				

**Warranty note-** The product comes with 1 year comprehensive warranty & after that 2 years warranty of compressor.

Note : specifications, features, and colours are subject to change without intimation.

# MINI BAR

## FEATURES

Eco Friendly Performance  
Exact Temperature Regulation

Contemporary Design  
Adjustable Storage

Low Maintenance  
Ambient temperature 35°C

### Compact Size

Compact in size to fit smaller places that need optimal cooling performance.

### Door Options

Glass door  
Hard doors

### Commercial & Domestic use

Made with high performance cooling for commercial needs like hotel room mini bars.



## Mini Bar: 50 L Hard Door



**Gross Capacity:**  
50 L



**Net Capacity:**  
45 L



**Dimensions: (WxDxH)**  
450 X 470 X 500 mm



**Internal Dimensions: (WxDxH)**  
384 X 380 X 214 mm



**Door:**  
Single Door



**Shelves:**  
1



**MF2MBR50DG**

## Mini Bar: 50 L Glass Door



**Gross Capacity:**  
50 L



**Net Capacity:**  
47 L



**Dimensions: (WxDxH)**  
450 X 460 X 500 mm



**Internal Dimensions: (WxDxH)**  
384 X 380 X 214 mm



**Door:**  
Single Door ( Double Pane )



**Shelves:**  
1



**MFMBR50GD**

## Mini Bar: 100 L Hard Door



**Gross Capacity:**  
100L



**Net Capacity:**  
84 L



**Dimensions: (WxDxH)**  
450 X 490 X 825mm



**Internal Dimensions: (WxDxH)**  
372 X 378 X 480 mm



**Door:**  
Single Door



**Shelves:**  
3



**MF2MBR100DG**

## SPECIFICATIONS: - MINI BAR

Description	MF2MB50HD IB	MFMB50GD	MF2MB100HD
<b>BEE Star Rating</b>	2 Star	NA	2 Star
<b>Capacity (Litres)</b>	50	50	100
<b>External Dimensions in mm (WxDxH)</b>	450 x 470 x 500	450 x 460 x 500	450 x 490 x 825
<b>Internal Dimensions in mm (WxDxH)</b>	384 x 380 x 214	384 x 380 x 214	372 x 378 x 480
<b>Shelves</b>	1	1	3
<b>No Of Doors/Type</b>	1/HD	1/GD	1/HD
<b>Temperature Range (°C)</b>	2°C to 8°C	2°C to 8°C	2°C to 8°C
<b>Ice Box</b>	Yes	No	Yes
<b>Lock</b>	NA	NA	NA
<b>Warranty</b>	1 year	1 year	1 year

Note : specifications, features, and colours are subject to change without intimation.

# COLD ROOM CHILLER & FREEZER



For more details scan this QR code



## COLD ROOM -CHILLER & FREEZER

**WALK-IN COLD ROOM/FREEZER ROOM** Introducing the only Walk-in Cooler from India, that is tested and certified as per WHO PQS standards, ensuring world-class quality and safety. It features India's first and only WHO-tested Temperature and Event Monitoring System, delivering unmatched performance and reliability. Engineered for bulk storage of vaccines, food, and other perishable items, the MarkEnWalk-in Cooler maintains precise temperatures from +2°C to +8°C/-10°C to -25°C and operates seamlessly in extreme weather conditions ranging from -10°C to +43°C. Available in custom sizes, it's the perfect solution for diverse storage needs.

**Capacity 08 CUM | 14 CUM | 20 CUM | 32 CUM | 40 CUM | Customizable**

**SOLAR WALK-IN COLD ROOM/FREEZER ROOM** Introducing MarkEnSolar Walk-in Cooler and Freezer, featuring an advanced Temperature and Event Monitoring System for unmatched reliability. Powered by a 6 KW hybrid solar kit with polycrystalline panels and MPPT inverters, it ensures precise temperature control (+2°C to +8°C for coolers & -5°C to -25°C for Freezer) even in extreme conditions (-10°C to +43°C). With auxiliary battery backup, grid compatibility, and efficiency at solar radiation levels of 2.6 kWh/m/day, it's the perfect eco-friendly solution for storing vaccines, food, and perishables.

**Capacity 08 CUM | 14 CUM | 20 CUM | 32 CUM | 40 CUM | Customizable**



# HoReCa SERIES

All our Reach Ins & Under Counters for Refrigeration & Freezer application are designed to meet the tough Indian kitchen conditions. Our Reach In Chillers & freezers present a host new features and are tested to perform in the ambient environment of 43°C & 38°C respectively.

## FEATURES

- Dixell digital Controller
- Removable Gasket
- Adjustable shelves
- Heavy duty lockable castors
- Heavy duty copper condenser & evaporator
- Lock & key
- GN Compatible ventilated series
- Environment friendly refrigerant (R290)

## OPTIONAL FEATURES:

Left & Right Hinged Door | Single & Multi Doors | Heavy Duty adjustable SS Legs



## REACH IN STATIC

Two Door Chiller -2 to 8°C (550 L)

### SPECIFICATIONS:



**Temperature Range:**  
-2 °C to 8 °C



**Door hinges:**  
Right Side



**External Dimensions: (WxDxH)**  
680 x 710 x 2000 mm



**Internal Dimensions (WxDxH)**  
560 x 582 x 1394 mm



**Number of Doors:**  
2



**Back Plate:**  
GI Sheet



**Interior Material:**  
SS 201/202



**Exterior Material:**  
SS 201/202



**GN Pan Compatibility:**  
Yes



**SS Sheet Gauge:**  
0.5mm



### REFRIGERATION DATA:



**Control Type:**  
Electric



**Refrigerant:**  
R290



**Controller:**  
Dixell Digital



**Cooling Mode:**  
Static



**Cooling Unit:**  
Built-in

## REACH IN STATIC

Two Door Freezer -10 to -20°C ( 550 L)

### SPECIFICATIONS:



**Temperature Range:**  
-10 °C to -20 °C



**Door hinges:**  
Right Side



**External Dimensions: (WxDxH)**  
680 x 710 x 2000 mm



**Internal Dimensions : (WxDxH)**  
560 x 582 x 1394 mm



**Number of Doors:**  
2



**Back Plate:**  
GI Sheet



**Interior Material:**  
SS 201/202



**Exterior Material:**  
SS 201/202



**GN Pan Compatibility:**  
Yes



**SS Sheet Gauge:**  
0.5mm



### REFRIGERATION DATA:



**Control Type:**  
Electric



**Refrigerant:**  
R290



**Controller:**  
Dixell Digital



**Cooling Mode:**  
Static



**Cooling Unit:**  
Built-in

## REACH IN STATIC

Four Door Chiller -2 to 8°C ( 1100 L)

### SPECIFICATIONS:

- |                                                                                                                                             |                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>Temperature Range:</b><br>-2 °C to 8 °C                 |  <b>Door hinges:</b><br>Right Side & Left Side               |
|  <b>External Dimensions: (WxDxH)</b><br>1340 x 710 x 2000mm |  <b>Internal Dimensions : (WxDxH)</b><br>1224 x 582 x 1394mm |
|  <b>Number of Doors:</b><br>4                               |  <b>Back Plate:</b><br>GI Sheet                              |
|  <b>Interior Material:</b><br>SS 201/202                    |  <b>Exterior Material:</b><br>SS 201/202                     |
|  <b>GN Pan Compatibility:</b><br>Yes                        |  <b>SS Sheet Gauge:</b><br>0.5mm                             |



### REFRIGERATION DATA:

- |                                                                                                                     |                                                                                                                 |                                                                                                                          |                                                                                                                     |                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|  <b>Control Type:</b><br>Electric |  <b>Refrigerant:</b><br>R290 |  <b>Controller:</b><br>Dixell Digital |  <b>Cooling Mode:</b><br>Static |  <b>Cooling Unit:</b><br>Built-in |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|

## REACH IN STATIC

Two Door Freezer -10 to -20°C ( 1100 L)

### SPECIFICATIONS:

- |                                                                                                                                                |                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>Temperature Range</b><br>-10 °C to -20 °C                |  <b>Door hinges:</b><br>Right Side & Left Side               |
|  <b>External Dimensions: (WxDxH)</b><br>1340 x 710 x 2000 mm |  <b>Internal Dimensions: (WxDxH)</b><br>1224 x 582 x 1394 mm |
|  <b>Number of Doors:</b><br>4                                |  <b>Back Plate:</b><br>GI Sheet                              |
|  <b>Interior Material:</b><br>SS 201/202                     |  <b>Exterior Material:</b><br>SS 201/202                     |
|  <b>GN Pan Compatibility:</b><br>Yes                         |  <b>SS Sheet Gauge:</b><br>0.5mm                             |



### REFRIGERATION DATA:

- |                                                                                                                     |                                                                                                                 |                                                                                                                          |                                                                                                                     |                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|  <b>Control Type:</b><br>Electric |  <b>Refrigerant:</b><br>R290 |  <b>Controller:</b><br>Dixell Digital |  <b>Cooling Mode:</b><br>Static |  <b>Cooling Unit:</b><br>Built-in |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|

# UNDER COUNTER STATIC

Two Door Chiller -2 to 8°C ( 265 L)

## SPECIFICATIONS:

- |                                                                                                                                             |                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>Temperature Range:</b><br>-2 °C to 8 °C                 |  <b>Door hinges:</b><br>Right Side & Left Side             |
|  <b>External Dimensions: (WxDxH)</b><br>1360 x 700 x 860 mm |  <b>Internal Dimensions: (WxDxH)</b><br>800 x 580 x 565 mm |
|  <b>Number of Doors:</b><br>2                               |  <b>Back Plate:</b><br>SS201/202                           |
|  <b>Interior Material:</b><br>SS 201/202                    |  <b>Exterior Material:</b><br>SS 201/202                   |
|  <b>GN Pan Compatibility:</b><br>Yes                        |  <b>SS Sheet Gauge:</b><br>0.6mm                           |



## REFRIGERATION DATA:

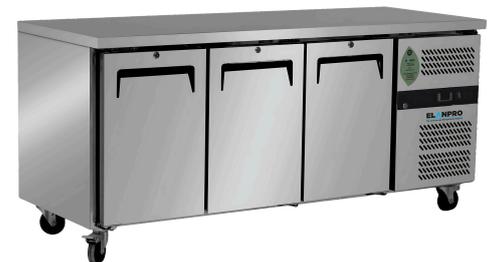
- |                                                                                                                     |                                                                                                                  |                                                                                                                          |                                                                                                                         |                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|  <b>Control Type:</b><br>Electric |  <b>Refrigerant:</b><br>R134a |  <b>Controller:</b><br>Dixell Digital |  <b>Cooling Mode:</b><br>Frost Free |  <b>Cooling Unit:</b><br>Built-in |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|

# UNDER COUNTER STATIC

Three Door Chiller -2 to 8°C ( 400 L)

## SPECIFICATIONS:

- |                                                                                                                                               |                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>Temperature Range:</b><br>-2 °C to 8 °C                 |  <b>Door hinges:</b><br>Right Side & Left Side              |
|  <b>External Dimensions: (WxDxH)</b><br>1795 x 700 x 860 mm |  <b>Internal Dimensions: (WxDxH)</b><br>1234 x 580 x 565 mm |
|  <b>Number of Doors:</b><br>2                               |  <b>Back Plate:</b><br>SS201/202                            |
|  <b>Interior Material:</b><br>SS 201/202                    |  <b>Exterior Material:</b><br>SS 201/202                    |
|  <b>GN Pan Compatibility:</b><br>Yes                        |  <b>SS Sheet Gauge:</b><br>0.6mm                            |



## REFRIGERATION DATA:

- |                                                                                                                     |                                                                                                                  |                                                                                                                          |                                                                                                                         |                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|  <b>Control Type:</b><br>Electric |  <b>Refrigerant:</b><br>R134a |  <b>Controller:</b><br>Dixell Digital |  <b>Cooling Mode:</b><br>Frost Free |  <b>Cooling Unit:</b><br>Built-in |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|

## REACH IN VENTILATED

Two Door Chiller -2 to 8°C ( 650 L)

### SPECIFICATIONS:



**Temperature Range:**  
-2 °C to 8 °C



**Door hinges:**  
Right Side



**External Dimensions: (WxDxH)**  
740 x 835 x 2010 mm



**Internal Dimensions: (WxDxH)**  
600 x 680 x 1400 mm



**Number of Doors:**  
2



**Back Plate:**  
GI Sheet



**Interior Material:**  
SS 304



**Exterior Material:**  
SS 304



**GN Pan Compatibility:**  
Yes



**SS Sheet Gauge:**  
0.7mm



### REFRIGERATION DATA:



**Control Type:**  
Electric



**Refrigerant:**  
R290/150g



**Controller:**  
Dixell Digital



**Cooling Mode:**  
Frost Free



**Cooling Unit:**  
Built-in

## REACH IN VENTILATED

Two Door Freezer -18 to -22°C ( 650 L)

### SPECIFICATIONS:



**Temperature Range:**  
-18 °C to -22 °C



**Door hinges:**  
Right Side



**External Dimensions: (WxDxH)**  
740 x 835 x 2010 mm



**Internal Dimensions (WxDxH)**  
600 x 680 x 1400 mm



**Number of Doors:**  
2



**Back Plate:**  
GI Sheet



**Interior Material:**  
SS 304



**Exterior Material:**  
SS 304



**GN Pan Compatibility:**  
Yes



**SS Sheet Gauge:**  
0.7mm



### REFRIGERATION DATA:



**Control Type:**  
Electric



**Refrigerant:**  
R290/150g



**Controller:**  
Dixell Digital



**Cooling Mode:**  
Frost Free



**Cooling Unit:**  
Built-in

## REACH IN VENTILATED

Four Door Chiller -2 to 8°C ( 1400 L)

### SPECIFICATIONS:

 <b>Temperature Range:</b> -2 °C to 8 °C	 <b>Door hinges:</b> Right Side & Left Side
 <b>External Dimensions: (WxDxH)</b> 1480 x 835 x 2000 mm	 <b>Internal Dimensions: (WxDxH)</b> 1340 x 680 x 1400 mm
 <b>Number of Doors:</b> 4	 <b>Back Plate:</b> GI Sheet
 <b>Interior Material:</b> SS 304	 <b>Exterior Material:</b> SS 304
 <b>GN Pan Compatibility:</b> Yes	 <b>SS Sheet Gauge:</b> 0.7mm



### REFRIGERATION DATA:

 <b>Control Type:</b> Electric	 <b>Refrigerant:</b> R290/150g	 <b>Controller:</b> Dixell Digital	 <b>Cooling Mode:</b> Frost Free	 <b>Cooling Unit:</b> Built-in
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## REACH IN VENTILATED

Four Door Freezer -18 to -22°C ( 1400 L)

### SPECIFICATIONS:

 <b>Temperature Range:</b> -18 °C to -22 °C	 <b>Door hinges:</b> Right Side & Left Side
 <b>External Dimensions: (WxDxH)</b> 1480 x 835 x 2000 mm	 <b>Internal Dimensions: (WxDxH)</b> 1340 x 680 x 1415 mm
 <b>Number of Doors:</b> 4	 <b>Back Plate:</b> GI Sheet
 <b>Interior Material:</b> SS 304	 <b>Exterior Material:</b> SS 304
 <b>GN Pan Compatibility:</b> Yes	 <b>SS Sheet Gauge:</b> 0.7mm



### REFRIGERATION DATA:

 <b>Control Type:</b> Electric	 <b>Refrigerant:</b> R290/150g	 <b>Controller:</b> Dixell Digital	 <b>Cooling Mode:</b> Frost Free	 <b>Cooling Unit:</b> Built-in
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## UNDER COUNTER VENTILATED

Two Door Chiller -2 to 8°C ( 265 L)

### SPECIFICATIONS:

 <b>Temperature Range:</b> -2 °C to 8 °C	 <b>Door hinges:</b> Right Side
 <b>External Dimensions: (WxDxH)</b> 1360 x 700 x 860 mm	 <b>Internal Dimensions: (WxDxH)</b> 800 x 580 x 565 mm
 <b>Number of Doors:</b> 2	 <b>Back Plate:</b> SS201/202
 <b>Interior Material:</b> SS 304	 <b>Exterior Material:</b> SS 304
 <b>GN Pan Compatibility:</b> Yes	 <b>SS Sheet Gauge:</b> 0.7mm



### REFRIGERATION DATA:

 <b>Control Type:</b> Electric	 <b>Refrigerant:</b> R134a	 <b>Controller:</b> Dixell Digital	 <b>Cooling Mode:</b> Frost Free	 <b>Cooling Unit:</b> Built-in
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## UNDER COUNTER VENTILATED

Three Door Chiller -2 to 8°C ( 400 L)

### SPECIFICATIONS:

 <b>Temperature Range:</b> -2 °C to 8 °C	 <b>Door hinges:</b> Right Side & Left Side
 <b>External Dimensions: (WxDxH)</b> 1360 x 700 x 860 mm	 <b>Internal Dimensions: (WxDxH)</b> 800 x 580 x 565 mm
 <b>Number of Doors:</b> 2	 <b>Back Plate:</b> SS201/202
 <b>Interior Material:</b> SS 304	 <b>Exterior Material:</b> SS 304
 <b>GN Pan Compatibility:</b> Yes	 <b>SS Sheet Gauge:</b> 0.6mm



### REFRIGERATION DATA:

 <b>Control Type:</b> Electric	 <b>Refrigerant:</b> R134a	 <b>Controller:</b> Dixell Digital	 <b>Cooling Mode:</b> Frost Free	 <b>Cooling Unit:</b> Built-in
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## UNDER COUNTER VENTILATED

Two Door Freezer -16 to -22°C ( 265 L)

### SPECIFICATIONS:

 <b>Temperature Range:</b> -16 °C to -22 °C	 <b>Door hinges:</b> Right Side
 <b>External Dimensions: (WxDxH)</b> 1360 x 700 x 860 mm	 <b>Internal Dimensions: (WxDxH)</b> 800 x 580 x 565 mm
 <b>Number of Doors:</b> 2	 <b>Back Plate:</b> SS201/202
 <b>Interior Material:</b> SS 304	 <b>Exterior Material:</b> SS 304
 <b>GN Pan Compatibility:</b> Yes	 <b>SS Sheet Gauge:</b> 0.7mm



### REFRIGERATION DATA:

 <b>Control Type:</b> Electric	 <b>Refrigerant:</b> R404a	 <b>Controller:</b> Dixell Digital	 <b>Cooling Mode:</b> Frost Free	 <b>Cooling Unit:</b> Built-in
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## UNDER COUNTER VENTILATED

Three Door Freezer -16 to -22°C ( 400 L)

### SPECIFICATIONS:

 <b>Temperature Range:</b> -16 °C to -22 °C	 <b>Door hinges:</b> Right Side & Left Side
 <b>External Dimensions: (WxDxH)</b> 1795 x 700 x 860 mm	 <b>Internal Dimensions: (WxDxH)</b> 1234 x 580 x 565 mm
 <b>Number of Doors:</b> 2	 <b>Back Plate:</b> SS201/202
 <b>Interior Material:</b> SS 304	 <b>Exterior Material:</b> SS 304
 <b>GN Pan Compatibility:</b> Yes	 <b>SS Sheet Gauge:</b> 0.6mm



### REFRIGERATION DATA:

 <b>Control Type:</b> Electric	 <b>Refrigerant:</b> R404a	 <b>Controller:</b> Dixell Digital	 <b>Cooling Mode:</b> Frost Free	 <b>Cooling Unit:</b> Built-in
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