



beyond boundaries, beyond limits

MEDICAL EQUIPMENT PORTFOLIO / 2026

# INTENSIVE CARE

## ICU

Critical care, respiratory support, monitoring and patient support



16

EQUIPMENT  
FAMILIES

FROM MEDICAL TECHNOLOGY  
TO MARKET PERFORMANCE

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# PORTFOLIO INDEX



A complete category overview with dedicated product imagery, technical data and configuration options.

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## PORTFOLIO STRUCTURE

Each equipment family is organized for clear product comparison and project planning.

# ADVANCED ICU VENTILATOR

Configurable respiratory support for pediatric through adult critical-care use.



## TECHNICAL DATA

**PATIENT RANGE**  
Pediatric through adult

**TIDAL VOLUME**  
20-2600 mL

**GAS SUPPLY**  
1.2-6.0 bar

**VENTILATION**  
Volume and pressure controlled

**HIGH-FLOW THERAPY**  
Up to 250 L/min

**DISPLAY**  
18.5-inch TFT option

**TREND STORAGE**  
72 hours

**COMPENSATION**  
Automatic leak and compliance

## CONFIGURATION SCOPE

- 01** Volume- and pressure-controlled ventilation
- 02** Automatic leak and compliance compensation
- 03** Integrated trends and configurable alarm management

# TURBINE CRITICAL-CARE VENTILATOR

Mobile ventilator platform for critical-care environments requiring an integrated turbine.



## TECHNICAL DATA

### EQUIPMENT CLASS

Critical-care ventilator

### AIR DELIVERY

Integrated turbine configuration pictured

### MOBILITY

Floor-cart configuration pictured

### DATA AVAILABILITY

No numeric performance values stated

## CONFIGURATION SCOPE

01

Independent turbine-driven air delivery

02

Touchscreen clinical interface

03

Mobile cart configuration for bedside use

# BEDSIDE PATIENT MONITOR

Continuous multi-parameter monitoring for adult, pediatric and neonatal care areas.



## TECHNICAL DATA

### CORE PARAMETERS

ECG, SpO2, NIBP, respiration, 2 temperature

### ADVANCED INPUTS

2 IBP and EtCO2 listed

### ANALYSIS

Arrhythmia, PVC/min and 12-lead ST analysis

### OPTIONS

Touchscreen, printer, 12-lead ECG and 4 IBP

### EXTENDED OPTIONS

Multigas, ICP, cardiac output and dual SpO2

### CONNECTIVITY

Nurse call, ECG output and bed-to-bed

## CONFIGURATION SCOPE

01

ECG, SpO2, NIBP, respiration and temperature

02

Configurable display sizes and parameter modules

03

Bedside trend review and alarm presentation

# PORTABLE AND CENTRAL MONITORING

A connected monitoring family for transport, bedside and central-station workflows.



## TECHNICAL DATA

### CENTRAL CAPACITY

Up to 32 bedside monitors

### NIBP ARCHIVE

1000 records

### TREND REVIEW

96 hours

### FULL DISCLOSURE

48 hours

### INTEGRATION

Optional PACS/HIS and nurse call

### PERIPHERALS

Thermal recorder, keyboard and barcode scanner

## CONFIGURATION SCOPE

01

Portable monitoring for intra-hospital movement

02

Centralized multi-bed surveillance

03

Stored trends and event review

# INFUSION AND SYRINGE PUMP PLATFORM

Controlled medication and fluid delivery for intensive-care and high-dependency units.



## TECHNICAL DATA

### CONTROLS

Touch operation

### PROGRAMMING

Multiple infusion modes and micro mode

### BOLUS

Intelligent bolus and anti-bolus functions

### CONFIGURATION

Custom calibration and drug library

### ALARM

Occlusion alarm listed

### POWER

Extended standby operation listed

## CONFIGURATION SCOPE

01

Syringe and volumetric infusion configurations

02

Clear rate, volume and alarm display

03

Compact format for pole or bedside mounting

# PRESSURE-CARE MATTRESS SYSTEM

Alternating-pressure support designed for pressure-injury prevention and care.



## TECHNICAL DATA

### CLINICAL RANGE

Pressure ulcer stages I-IV

### THERAPY

Alternating pressure redistribution

### TARGET AREAS

Heels, elbows and buttocks

### PATIENT OPTION

Pediatric system listed

### DATA AVAILABILITY

No cell-cycle pressure values stated

## CONFIGURATION SCOPE

01

Sequential air-cell pressure redistribution

02

Bedside controller with adjustable operation

03

Hospital-bed compatible mattress format

# ULTRASONIC NEBULIZER

High-volume aerosol therapy platform for continuous clinical use.



## TECHNICAL DATA

### OPERATING MODE

Continuous hospital use

### TIMER

120 minutes

### INTERFACE

LCD with four-button control

### AEROSOL FORMAT

High-volume nebulization

### TUBE OPTION

Heated tube for warmed inhalation aerosol

## CONFIGURATION SCOPE

01

Timed therapy operation

02

Adjustable airflow and aerosol output

03

Heated-tube configuration available

# MEDICAL GAS SUPPLY UNITS

Central oxygen, compressed-air and vacuum equipment for hospital infrastructure.



## TECHNICAL DATA

### PLANT TYPES

Oxygen generation, compressed air and vacuum

### INSTALLATION

Central medical-gas infrastructure

### DATA AVAILABILITY

Capacity values not stated

## CONFIGURATION SCOPE

01

Modular plant configurations

02

Central supply for multiple clinical departments

03

Project-specific capacity and redundancy options

# NEONATAL THERMAL CARE PLATFORM

Integrated support for warming, transport and monitored neonatal care.



## TECHNICAL DATA

### EQUIPMENT FAMILY

Infant incubator and neonatal thermal systems

### CONFIGURATION

Bedside and mobile systems pictured

### DATA AVAILABILITY

Numeric thermal performance not stated

## CONFIGURATION SCOPE

01

Infant incubator and radiant warmer configurations

02

Transport and bedside options

03

Accessory integration for neonatal workflows

# EMERGENCY RESUSCITATION KIT

Portable airway and resuscitation equipment for rapid-response teams.



## TECHNICAL DATA

### EQUIPMENT FAMILY

Portable ventilation and resuscitation equipment

### FORMAT

Portable emergency kit configuration pictured

### DATA AVAILABILITY

Kit contents and numeric values not stated

## CONFIGURATION SCOPE

01

Organized portable carrying case

02

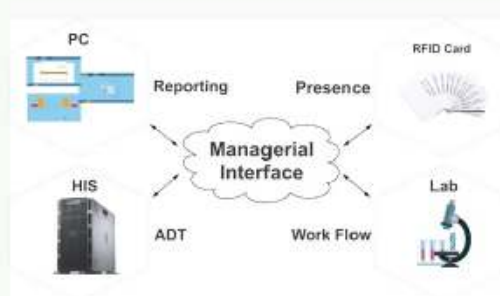
Airway and ventilation accessories

03

Emergency-department and ward deployment

# CLINICAL NURSE CALL SYSTEM

Wired and wireless call options for patient-to-caregiver communication.



## TECHNICAL DATA

### NETWORK OPTIONS

Facility network and wireless

### INPUT DEVICES

Pendant, push-button, fall, smoke and door sensors

### ALERTS

Audio and visual signalling

### SYSTEM OPTIONS

Basic, intercom, smart and emergency-code

### DESTINATIONS

Server, phone, dome light and audible alarm

## CONFIGURATION SCOPE

01

Patient call, staff presence and emergency-code functions

02

Room, corridor and central display options

03

Integration-ready facility architecture

# OXYGEN AND VACUUM THERAPY ACCESSORIES

Point-of-use accessories for oxygen therapy, suction and flow control.



## TECHNICAL DATA

**EQUIPMENT FAMILY**  
Oxygen-therapy and vacuum devices

**FORMATS PICTURED**  
Flow-control and suction accessories

**DATA AVAILABILITY**  
Flow and pressure ranges not stated

## CONFIGURATION SCOPE

- 01 Flowmeter, regulator and vacuum-controller options
- 02 Wall-outlet and cylinder-compatible configurations
- 03 Reusable clinical hardware for ward deployment

## BEDSIDE SUCTION AND INFUSION SYSTEMS

A modular family supporting suction, inhalation and infusion workflows.



### TECHNICAL DATA

#### SUCTION

Digital and analog vacuum suction listed

#### PUMP TYPES

Infusion pump and syringe pump

#### MOBILE OPTION

Ambulance suction listed

#### SPECIALTY OPTION

Dental suction listed

#### DATA AVAILABILITY

Pump-rate ranges not stated

### CONFIGURATION SCOPE

- 01 Electric suction and portable options
- 02 Infusion and syringe-pump configurations
- 03 Nebulization accessories for respiratory care

# MULTI-FUNCTION HOSPITAL BED

Powered and manual bed configurations for monitored inpatient care.



## TECHNICAL DATA

### EQUIPMENT CLASS

Multi-function hospital bed

### CONFIGURATION

Side rails, mobile base and IV support pictured

### POSITIONING

Adjustable multi-section platform pictured

### DATA AVAILABILITY

Load and motion ranges not stated

## CONFIGURATION SCOPE

01

Adjustable clinical positioning

02

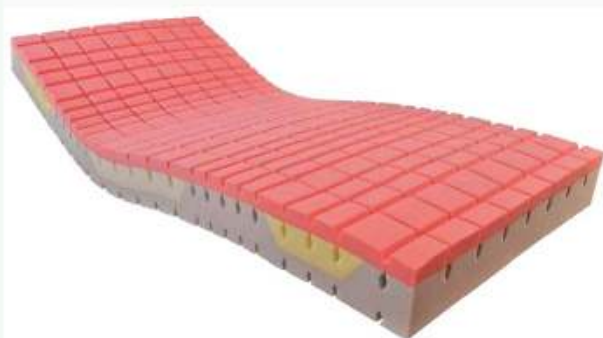
Mobile base with side-rail protection

03

Accessory mounting for IV and monitoring equipment

# PRESSURE REDISTRIBUTION AND POSITIONING

Mattresses, cushions and supports for extended-stay patient care.



## TECHNICAL DATA

### MATTRESS TYPES

Air, memory foam and anti-decubitus

### POSITIONING

Cushions, medical pillows and mixed modules

### TRANSFER

Patient transfer roll listed

### DVT SUPPORT

DVT pump and sleeve listed

### CONSTRUCTION

3D knitted cushion and spacer fabric listed

## CONFIGURATION SCOPE

01

Foam and air-based support options

02

Positioning aids for clinical handling

03

Multiple sizes and modular constructions

# NEONATAL RESUSCITATION AND PHOTOTHERAPY

Specialized systems for newborn stabilization and light-based therapy.



## TECHNICAL DATA

### EQUIPMENT FAMILY

Infant resuscitation and phototherapy

### LIGHT SOURCE

LED phototherapy listed

### CONFIGURATION

Mobile newborn care systems pictured

### DATA AVAILABILITY

Irradiance and wavelength not stated

## CONFIGURATION SCOPE

01

Resuscitation table with warming capability

02

Phototherapy unit configurations

03

Mobile clinical platforms for neonatal units



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## CONFIGURE THE RIGHT SYSTEM

MTD supports equipment selection, technical clarification, procurement planning, delivery coordination and after-sales preparation.



### PROJECT PLANNING

- 1 Intended clinical use and care environment
- 2 Electrical supply, utilities and installation conditions
- 3 Accessories, consumables and optional modules
- 4 Destination-market documentation and training scope

The final quotation confirms the selected model, power requirements, accessories and documentation.

## CONTACT MTD

**+98 911 269 3727**

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