



HOSPITAL ICU/CCU BED - TORONCARE™ 1078

Advanced clinical integration defines the ToronCare™ 1078 multifunction ICU bed. Integrated X-ray cassette holder with side-access sliding construction eliminates patient transfers for diagnostic imaging, while 0.1 kg precision in-bed scales measure absolute body mass without bed weight interference. The automatic compound fallback system reduces pelvic and sacral pressure during positioning, actively preventing pressure ulcer formation. Dual-column motor architecture supports cardio positioning, 200 mm bed extension, and left/right tilt up to 15° across dimensions of 2240 x 1050 mm with 1965 x 920 mm mattress platform.

Central nurse control and integrated side rail controls provide comprehensive positioning management: back section elevation beyond 70°, knee articulation exceeding 30°, Trendelenburg angles of 12°, and height adjustment from 520-920 mm. Split side rail configuration with additional foot-end rails enhances fall protection, coordinating with off-bed alarm systems. Electric and manual CPR functions ensure emergency readiness during power interruption. The removable mattress platform facilitates infection control through simplified sterilization protocols, while 440 mm side rail height and IEC-compliant safety gaps prevent patient entrapment.

Intensive care units managing complex patient conditions benefit from this ICU hospital bed's cardiopulmonary support positioning and bedside intervention capabilities. Standard linen shelf and locked head/foot boards included for comprehensive critical care environments.

APPLICATIONS

- **Intensive and Critical Care Units** – Provides advanced positioning, monitoring, and safety features for critically ill patients.
- **Post-Surgical Recovery** – Supports patients with precise adjustments, integrated scales, and X-ray compatibility without transfers.
- **Cardiac and Respiratory Care** – Assists lung ventilation and heart function with cardiac chair positioning and in-bed imaging.
- **Long-Term Critical Care** – Minimizes risk of pressure ulcers with automatic compound fallback system for patient comfort.

- **Emergency Response in Hospitals** – Features rapid manual and electric CPR adjustments for urgent resuscitation needs.
- **Infection Control and Sterile Environments** – Ensures easy cleaning, removable mattress platforms, and hygienic design for safe use.
- **Patient Safety and Mobility** – Full-length side rails, bed extension, and exit alarm reduce fall risk while enabling mobility support.

FEATURES

Integrated X-RAY Cassette Holder

The patient's condition is not compromised by being moved from the bed to special X-ray tables. There is also no uncomfortable lifting of the patient in order to place the X-ray cassette under the patient's back.

The backrest of the bed is X-ray translucent and a holder for an X-ray cassette is fixed beneath it. The holder's special sliding construction allows the cassette to be comfortably inserted under the mattress platform from the side of the bed.

In-Bed Scales

ToronCare™ Multifunction ICU beds can be equipped with integrated scales which can weigh the patient without the need for inappropriate or potentially hazardous transfers of the patient from the bed. The 1078 weighing system measures the absolute values of the patient's body mass (without the effect of the bed) .

Siderail Control

The control is located in the side rail so it is easily accessible to the patient and adjusts the bed to its basic positions.

Supervisor Panel

The Supervisor panel is ergonomically shaped and its clear graphic design is user-friendly. It contains a number of functions including 3-position memory – CPR, mobilizing position, examination position.

Hand Set

The practical patient and nurse handset contains the basic bed positions including the backrest tilt and mattress platform height adjustment.

Integrated X-RAY Cassette Holder

The ToronCare™ 1078 Multifunction ICU bed is equipped with the automatic compound fallback system which extends the space when positioning the bed in the pelvic and sacral area and significantly reduces pressure on the skin in this zone. At meantime this system will consequently reduces the risk of the formation of pressure ulcers.

- Reducing pressure in the pelvic and sacral area when positioning the bed
- Maintaining good lung ventilation
- Reducing the risk of pressure ulcers in the area of the pelvis and shoulder blades
- Patient comfort in all positions including the sitting position
- Prevention of complication arising from pressure on the internal organs in the abdominal cavity
- Ensuring constant head support

Automatic compound Fallback System (Pressure ulcers protection)

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Fall Protection

The full-length side rails provide a protective barrier all around the mattress platform, this will prevent the falls of patients. With the help of bed extension and bed exit alarm system, potential falls will be prevented.

Pressure Ulcer Prevention

The automatic compound fallback system reduces the pressure on the tissues in the pelvic area during positioning and minimizes friction between mattress and patient's skin on the back and shoulder blade area.

Cardiopulmonary Support System

The Cardiac Chair Position of this bed helps patients optimize lung ventilation and enhance heart function. Nosocomial pneumonia and atelectasis can be detected in time by the use of the sophisticated in-bed X - ray lung examination. C-arm compatibility allows the performance of many interventions directly on the bed.

Infection Control

Cleansing of the bed's surface is very easy and comprehensive due to the column design, flat and joint-free construction. The removable structure of bed mattress platform is easy for clean and sterilization.

THEORY & METHOD

Standard configuration

- Split Side Rails: The 4pcs PP side rails provide the patient with protection against falls and the 2 pcs additional side rails near foot board offer more safety service and also provide the support during patient' s stand.
- Integrated Scales system: The in-bed scales control panel located under the foot end is protected against impacts.
- Removable Mattress Platform: The Mattress platform is plastic boards which can be easy removable and easy for sterilization. The mattress platform can do X-ray for back board and offer the patient' s more comfortable.
- Central Nurse Control System: The nurse or supervisor can adjust all the positions and find the comfortable and proper positions for the patients.
- Columns Motor System: Electric lifting units in two columns enable the mattress platform height adjustment and TR&ATR positions, which can also ensure the bed' s stability.
- Controls In The Side Rails: Controls in the side rails increase the patient' s independence so that the patients can operate it according to the self-requirement.
- Bed Extension: The integrated bed extension adjusts the mattress platform length to the individual patient' s height.
- Linen Shelf: The linen shelf at the bottom of foot end also stores the supervisor panel
- H/F Boards Locks: The bed board locks prevent accidental removal of the bed boards when steering or handling the bed.
- X-Ray Cassette Holder: The holder' s special sliding construction allows the cassette to be comfortably inserted beneath the mattress platform from the side of the bed.
- Manual/Electric CPR: The electric CPR is easy and convenience to operate that is one key control. And the manual CPR is equipped with damping device, which can let the back rest fall down slowly to ensure the safety of the patient when the power is off, the whole process can be single hand operation.

TECHNICAL SPECIFICATIONS

Outer Dimensions	2240 x 1050 mm	Other Features	
Mattress Platform	1965 x 920 mm	Cardio Position	
Height	520 - 920 mm	CPR	Electric and Manual
Length Extension	200 mm	Auto. Compound Fall Back System	Pressure Ulcer Prevention
Back Section	$\geq 70^\circ$	Removable Mattress Platform for easy cleaning	Infection Control
Knee Section	$\geq 30^\circ$	Fall Protection	Off Bed Alarm
Trend./Reverse Trend.	$\geq 12^\circ$	Safety Gaps according to IEC standards	For prevention of Entrapment
Left and Right Tilt	$\geq 15^\circ$	Central Nurse Control	
Side Rail Height	440 mm	Side Rail controls	Inside and Outside
Working Load	200 kg	Bed Extension	
Scale	0.1 kg precision	Linen Shelf	
Off bed Alarm	Together with scale	Head and Foot Boards removable with Locks	
		X-Ray Cassette Holder	



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