TORONTECH

ELECTRIC HOMECARE BED (PREMIUM)

Electric Homecare Bed (Premium) - ToronCare™ 5088

ToronCare™ 5088 is a premium electric homecare bed that automates the most demanding parts of long-term care, from scheduled repositioning to powered toileting. A single handheld remote drives the backrest, leg sections, lateral turning, a one-key chair position, and a one-key return to flat, with spoken prompts confirming each command. Set-and-forget timed turning repositions the patient on a 30 or 45 minute cycle without a caregiver present, which makes the bed well suited to overnight and round-the-clock care.

Built around patient comfort and dignity, the ToronCare™ 5088 pairs a six-layer coconut-fiber and foam mattress with an anti-slide seating design that keeps the patient secure when sitting up. A powered commode pan handles toileting in place, while a red emergency-stop button halts all motors instantly for added safety. The 200 kg (441 lb) safe working load, foldable aluminum side rails, and built-in IV pole sockets give the bed clinical capability in a home setting.

Reinforced HDPE head and foot boards wipe clean easily and stand up to daily use, and quiet, self-lubricating braked castors make repositioning the bed simple. The ToronCare™ 5088 fits demanding home care, nursing homes, and long-term care facilities that want top-tier homecare hospital beds for bedridden and high-dependency patients.

APPLICATIONS

Electric Homecare Bed (Premium) - ToronCare™ 5088 Applications

The ToronCare™ 5088 supports patients who need intensive, continuous care and the caregivers who manage it, standing as a flagship homecare hospital bed and one of the most capable homecare beds for home and facility use.

- High-Dependency and Bedridden Care: automated timed turning repositions immobile patients around the clock to help prevent pressure ulcers without constant caregiver presence.

- Overnight and Round-the-Clock Home Care: scheduled turning and voice-guided controls reduce the number of manual interventions a caregiver performs during the night.
- Stroke and Neurological Recovery: electric turning, the chair position, and anti-slide seating reposition patients who cannot move themselves safely.
- Post-Surgical and Rehabilitation Recovery: backrest, thigh, and leg adjustments let patients sit up, rest, and access foot care during recovery.
- Elderly and Geriatric Care: voice prompts and a clearly labeled remote let older patients operate the bed with confidence and minimal help.
- Incontinence and Toileting Support: a powered commode pan manages toileting in place, protecting patient dignity and reducing caregiver strain.
- Palliative and Hospice Care: gentle automated positioning and a comfortable coir mattress keep patients comfortable while minimizing handling.
- Nursing Homes and Long-Term Care Facilities: durable construction and automated functions support continuous, multi-shift use across many beds.

Standards

The ToronCare™ 5088 is built and documented to the international standards that govern medical electrical safety, electromagnetic compatibility, and medical bed performance. The bed is classified as Class I equipment with a Type B applied part and an IPX4 ingress rating, and the manufacturer holds EN ISO 13485 marks on the product line.

- ISO 13485 - Medical Devices: Quality Management Systems for Regulatory Purposes

FEATURES

Electric Homecare Bed (Premium) - ToronCare™ 5088 Key Features

The ToronCare™ 5088 carries the fullest feature set in the ToronCare line, combining automated care, refined comfort, and built-in safety in one electric frame.

- Automated Timed Turning: a 30 or 45 minute cycle repositions the patient from side to side without caregiver input, maintaining pressure relief through the night.
- Electric Lateral Turning to 50°: powered side-to-side rotation up to 50° each way offloads pressure points and eases back pressure while cutting caregiver effort.
- Anti-Slide Chair and Backrest: a 12° seat tilt and 30° inward side panels hold the patient securely upright, countering the downward and lateral sliding that raising a backrest can cause.
- One-Key Chair Position: a single button shapes the deck into a seated posture for eating, reading, or watching television.
- One-Key Return to Flat: one button smoothly resets the bed to level from any position, removing the need to reverse each adjustment by hand.
- Powered Commode Pan: an electric bedpan raises and lowers for in-bed toileting, protecting patient dignity and reducing caregiver lifting.

- Voice-Guided Controls: spoken prompts confirm each button press to reduce misoperation and reassure the user.
- Emergency-Stop Button: a prominent red button halts all motor movement instantly in any situation.
- Powered Backrest, Thigh, and Leg Sections: motorized adjustments raise the backrest to 70° and the thigh to 20°, and fold the leg section down to 50° for foot care access.
- Six-Layer Coir and Foam Mattress: four layers of natural coconut fiber and two of high-resilience foam create a breathable, moisture-resistant sleeping surface.
- Reinforced HDPE Head and Foot Boards: imported high-density polyethylene panels wipe clean easily and resist daily wear.
- Foldable Aluminum Alloy Side Rails: lightweight, high-strength rails fold down flush with the frame and lock up as a fall barrier.
- Built-In IV Pole Sockets: steel-lined sockets at both sides of the head end accept an IV pole securely.
- Quiet Braked Castors: four casters with enclosed self-lubricating bearings and individual brakes move smoothly and lock firmly.

THEORY & METHOD

Theory and Method

Pressure ulcers form when unrelieved pressure on bony areas such as the sacrum and hips cuts off blood flow to the skin until tissue breaks down. The accepted defense is regular repositioning, roughly every two hours, so blood can return to loaded areas. Keeping that schedule by hand is hard overnight, and missed turns are a common cause of injury. The ToronCare™ 5088 takes the schedule out of human hands: set to a 30 or 45 minute cycle, the bed tilts the platform up to 50° to each side on its own, turning the patient consistently while caregivers rest.

Raising a bed backrest creates a hidden hazard. As the torso lifts, gravity pulls the body down the incline, and the skin over the sacrum drags against the sheet while the skeleton slides, producing shear forces that damage tissue. The ToronCare™ 5088 counters this with a seat board that tilts up 12° to block downward sliding and side panels that angle inward 30° to

keep the patient centered. Together these surfaces hold the patient in a stable seated posture for meals, reading, or watching television.

A bed used near moisture and operated by non-experts needs careful electrical design. The ToronCare™ 5088 is Class I equipment: its metal frame connects to protective earth so a fault cannot leave the surface live, and its Type B applied part limits the current that can reach the patient. An IPX4 rating guards the electronics against water splashed from any direction, which matters around toileting and washing. A red emergency-stop button cuts power to every motor at a single touch, and spoken prompts announce each action before it happens.

TECHNICAL SPECIFICATIONS

Electric Homecare Bed (Premium) - ToronCare™ 5088 Technical Specifications

Parameter	Specification
Overall Dimensions	2050 × 1020 × 465 mm ±10 mm (80.7 × 40.2 × 18.3 in)
Mattress Platform Size	1915 × 885 mm (±10 mm)
Side Rail Height Above Mattress	325 mm ±10 mm (12.8 in)
Backrest Angle	0 to 70° (±5°)
Thigh Section Angle	0 to 20° (±5°)
Leg Section Down-Fold	0 to 50° (±5°)
Lateral Turning Angle	0 to 50° left and right (±5°)
Auto-Turning Modes	30-minute and 45-minute cycles

Parameter	Specification
Safe Working Load	200 kg (441 lb)
Drive System	Electric linear actuators
Control	Voice-guided handheld remote with emergency stop
Side Rails	Foldable high-strength aluminum alloy
Head and Foot Boards	Reinforced imported HDPE
Mattress	Six-layer: four coconut coir, two high-resilience foam
Toileting	Powered commode pan
IV Pole Sockets	Steel-lined, both sides of head end
Castors	Four braked swivel casters, self-lubricating bearings

Electrical Parameters

Parameter	Specification
Voltage	220 VAC, 50 Hz (110V is also available)
Input Power	400 VA
Ingress Protection	IPX4
Safety Classification	Class I (protective earth)
Applied Part	Type B

Companion Products

Product	Description

DE-1 Electric Patient Lift	Powered mobile lift for transferring the patient between the bed and a chair or wheelchair
D-25 Bedside Cabinet	Bedside storage cabinet for patient belongings and supplies
Rotation Pad	Low-friction turntable pad that eases repositioning and turning
U-Shaped Turning Pad	Contoured pad that supports the patient on their side during turning and changing

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