



# EMERGENCY RECOVERY TROLLEY



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



CDSCO MD 5 License



USFDA Listed



European CE



ISO 9001: 2015  
IAF



ISO 13485:2016  
NABCB/IAF



ISO 45001 : 2018  
IAF



7 Electric Safety Certifications  
IEC 60335-1 and IEC 60335-2-24, IEC 61010-1,  
IEC 61010-2-020 and 61010-2-101, IEC 61326-1,  
IEC 61326-2-6.

## INTRODUCTION

**MarkEn** Emergency Recovery Trolley is a premium patient transport and recovery solution designed for use in high-demand hospital environments such as emergency wards, trauma centers, ICUs, and recovery rooms.

Built for efficiency and comfort, this trolley combines robust construction with ergonomic design to ensure smooth, safe, and hygienic patient handling during critical care situations. Its advanced functionality, ease of operation, and durability make it an essential choice for healthcare professionals seeking reliability and performance under pressure.



## KEY FEATURES



- Adjustable Height with smooth hydraulic lift.



- Dual gas spring-assisted Trendelenburg & reverse functions



- Detachable x-ray permeable stretcher with chemical-resistant surface



- Backrest adjustable from 0° to 90° on ratchet mechanism.



- X-ray cassette holder with movable SS rail



- Central locking swivel casters with an additional 5th wheel for smooth 360° maneuverability.



- Fail-safe mechanism against gas spring failure



- Side Rails: Heavy-duty foldable and lockable ABS side rails for enhanced patient safety and assisted patient transfer.



- Integrated IV pole, urine bag holders, oxygen & file holders



- U-shaped bows with Neoprene cover for improved grip and to prevent cold shock during patient handling.

## ACCESSORIES

- Patient Safety Belts: Two pairs
- File Holder
- Oxygen Cylinder Holder(B-type)
- Footboard

TECHNICAL SPECIFICATIONS	
<b>Make</b>	MarkEn
<b>Load Capacity</b>	350 kg(±10 kg)
<b>Overall Construction</b>	High-quality cold-rolled steel tubular construction with electrostatically epoxy powder-coated finish
<b>Frame Construction</b>	Bed frame and base frame made of ERW 25X50 tubes, with a thickness of 1.5mm
<b>Dimensions (LxWxH) mm</b>	2100 mm L x 750 mm W x 650 mm H
<b>Ground clearance</b>	≥50mm
<b>Sections</b>	Head/Hip/Leg sections with radiolucent platform for X-ray use
<b>Manual Lifting</b>	Manual lifting from foot end for emergency Trendelenburg positio
<b>Height Adjustment</b>	Mechanical height adjustment with oxygen and IV provisions
<b>Brake &amp; Bed Adjustment</b>	Central control PP/fiber brake pedals at head & foot ends; dual-side head pedals for easy raise, lowering, tilt, and reverse tilt adjustments
<b>Detachable Stretcher</b>	6 mm thick X-ray permeable high-pressure compact laminate top, chemical and stain resistant; fixed section 1065(L) × 590(W) mm and back section 728(L) × 590(W) mm
<b>Trendelenburg Angle</b>	Max angle: ±15° (±2°), Anti-Trendelenburg: ±15° (±2°)
<b>Gas Springs</b>	2 nos. gas springs, approx. 530 mm length, 168 mm stroke, knee-break assisted
<b>Backrest Adjustment</b>	Backrest adjustable from 0° to 90° with ratchet mechanism
<b>Footboard</b>	Detachable footboard with integrated writing table for on-the-move clinical documentation
<b>Hydraulic Pedals</b>	Dual-sided hydraulic foot pedals for Hi-Low, Trendelenburg & Reverse Trendelenburg with emergency pedals at head and foot ends
<b>Castors</b>	125–150 mm non-marking castors with central braking and diagonal locking, with fifth wheel for direction control.
<b>Side Rails</b>	Heavy-duty ABS side rails, foldable, lockable, providing shelter and acting as transfer boards for patient shifting
<b>Mattress</b>	PU foam mattress, 40 kg/m <sup>3</sup> density, 60–80 mm thickness (±10 mm), waterproof, flame-retardant, vapour & X-ray permeable, with concealed zipper and 65 cm deep 2-way stretch cover
<b>Base Tray</b>	High-pressure laminate utility shelf for emergency tools
<b>Storage Shelf</b>	Integrated undercarriage storage compartment for patient belongings
<b>IV Pole</b>	Height-adjustable SS telescopic IV pole with four hooks for saline bags
<b>Urine Bag Holder</b>	8mm dia MS zinc plating urine bag holder on both sides
<b>Bumpers</b>	4 Neoprene-made/Equivalent, shock-absorbing
<b>Push/Pull Handles</b>	Dual height ergonomic handles
<b>Shock Absorption</b>	4 silicon corner buffers for enhanced safety
<b>Control System</b>	Central braking system with dustproof, silent center-control casters for smooth, stable movement
<b>Guardrail &amp; System Features</b>	Aluminium S-type inverted guardrails with IV stand, hydraulic controls, guide wheel, X-ray/CPR compatibility, and knee-break system
<b>X-ray Cassette Holder</b>	MS-made, top-mounted X-ray cassette holder movable along bed length, with removable monitor platform and full-length radiolucent mattress base
<b>X-ray Compatibility</b>	Full-length X-ray cassette accessible from all four sides
<b>X-ray Film &amp; Mattress</b>	Whole-body X-ray platform with mobile film box, PU 6 cm mattress, SS 304 infusion stand, and rigid mattress base
<b>Fail Safe Mechanism</b>	Fail-safe system preventing ERT collapse during gas spring failure (TR & ATR).
<b>Steel Painting</b>	11-stage epoxy coating, STM-tested, anti-bacterial, 0.12 mm paint thickness, 60° gloss, impact resistant up to 50 kg.
<b>Surface Coating</b>	Zirconium pre-treatment, antimicrobial epoxy coating, synergy welded joints

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ISO 13849-1,  
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**Regd office & Factory:** 93/1, MIDC Satpur, Nashik- 422007 (IND)

**New Delhi office -** 05, A-44, VDS Tower, Sector 2, Noida- 201301. UP. India

**Customer Care No.**+91 91 3030 5959

**www.markenworld.com** **info@markenworld.com**

