

Operations Guide

Model Number: _____

Serial Number: _____



Multi-Use Examination Table (MD250-2)
***Ultrasound*OB-GYN *Radiology *Urology**



Tower Medical Systems

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Welcome

Congratulations on your MD250-2 purchase and welcome. Thank you for your confidence in this product. You've selected one of the best-built, best-backed products available today. We will do everything in our power to keep you happy with your purchase for many years to come.

As a member of the MD250 family, you're entitled to protection by one of the most personal warrantee and service networks in the industry. What's more, your purchase guarantees you'll receive easy access to accessories and service just by giving us a call. Most importantly, you can count on our uncompromising commitment to your total satisfaction. All of this is our way of saying welcome and thanks for investing in an MD 250 product.

PS Remember, to get the most from your product, you must return your warrantee registration card within 10 days. So please mail it to us right now.

Safety Precautions

- **WARNING:** To prevent fire or shock hazard, do not expose this equipment to rain or moisture.
- Any unauthorized changes or modifications to this equipment will void your warrantee.

Helpful Hints

Before doing anything else, record the MD 250 model number and serial number on the front cover of this Guide. These numbers will help us assist you if you ever call for help.

Your new product and its packaging contain products that can be recycled and/or reused. Please dispose of it in the proper manner.

Your product uses batteries that should not be thrown away when depleted, but should be disposed of as chemical waste.

Warrantee Card

PLEASE FILL OUT THIS CARD AND RETURN IT WITHIN 10 DAYS OF PURCHASE.

FAILURE TO RETURN MAY AFFECT YOUR WARANTEE COVERAGE

Hospital or Facility Name: _____ Floor: _____

Address: _____
(No. and Street) (City) (State) (Zip)

Contact Name

Mr. Mrs. Ms. Miss First: _____ Last: _____

Phone: _____

Date of Purchase: ____/____/____ Model: _____

Serial Number: _____

Return to: Tower Medical Systems LTD, 917-11 Lincoln Avenue, Holbrook, NY 11741

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ULTRASOUND TABLE MD250-2

Applications

The Tower Ultrasound MD250-2 Table is best suited for ultrasound procedures including proctology, urology, thyroid and OB/GYN when stirrups are attached. The small size of the MD250 in the chair position makes it ideal in tight quarters.

Overview

The Tower Medical Systems' MD250 Ultrasound Table is a first of its kind all-round mobile procedure table. The custom design incorporates the needs of the doctor as well as the technician and patient. The U-shape front frame assembly along with the hide away leg extension makes this table perfect for all OB/GYN, prostate and scanning procedures. The addition of the drain bag hoop assembly facilitates in urological procedures.

The MD250 is motor-driven and manipulated by hand-held remote control or foot controls. Three (3) precision Swiss made motors control height, Trendelenberg, and fowler back positions. The unique telescopic sheet metal design encloses all motorized parts for safety of both physician and patient. Table uses standard 110 VAC (220 VAC optional) 50/60 Hz.

The tabletop consists of three supporting sections; head, seat and a pullout footrest, and extends 72 inches in length and 26 inches across. Total weight capacity is 450 pounds.

Tabletop adjustability is from 29 to 37 inches in height, or 737.76 mm to 939.8 mm. This allows for easy wheelchair patient transfers. Trendelenberg positioning ranges from 0 degrees to +/- 15 degrees. The motorized Fowler back moves in angles from 0 to 85 degrees.

Support construction is of Fibersin® and Velcro for easy cleaning and virtually no warping. The Fibersin® used in our tables is certified to meet all the requirements of radiation performance standards of 21 CFR Subchapter J.

3 Larger-than-standard 5" locking swivel wheel casters and one steering caster allow for greater control and maneuverability. Wheels lock in both rolling and swivel positions to assure immobility.

Patients are secured with 2-inch hook and loop fastener restraining straps and optional swing-down guardrails.

Comfort is assured with the use of 2" standard cushions. Top grade vinyl-coated fabric covering available in:

Sea foam (standard)	Mauve
Teal	Black
Forest Green	Dark Grey
Medium Grey	Light Blue

Table frame is available in standard light grey, or white (optional).

Package: standard parts and components.

- Hand-held remote and foot controls
- Fowler Back
- Pull Out Footrest
- Restraining Straps
- Battery Pack

Optional Accessories

- Ankle Stirrups
- Knee Crutches W/Clamps
- Rail-mounted IV Pole
- Fold-down Guardrails
- Drain Pan and Screen and Drain Bag Holder
- Paper Dispenser
- Back Support Wedge

Parts and Components



Operating Procedures

Power Supplies

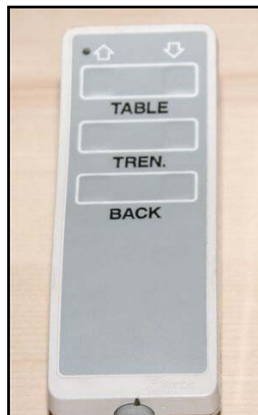
This table requires the use of standard 110 VAC or 220 VAC (50/60 Hz). It can operate with the power cord connected to an outlet or by using the battery pack. The battery recharges automatically while the table is plugged into an outlet, even while in use.

Precautions

- Use hospital grade receptacles for grounding reliability.
- Ensure all wheels are locked before moving a patient on to or off the table.
- Use restraining straps to secure the patient on the table at all times.
- Restraining straps are not intended to contain or control an uncontrolled patient.
- Position patient on *center* of table.
- Do not sit at foot of table or head of table.

Handheld and Foot Controllers

Note: Ensure that all restraints, IVs and attachments are out of the way of motorized parts prior to moving the tabletop. Always be sure that your patient is fully secured in order to avoid injury.



Handheld Remote



Foot-Operated Controller

The hand-held controller and, optionally, foot controller are used for manipulating the table height, Trendelenberg motion, and Fowler back.

- **Handheld Remote:** To change the height or positioning of the table, use the remote by pressing and holding down the appropriate buttons. Releasing the button stops the movement.
- **Foot Controller:** Press and release foot controls for desired patient positioning. Left foot-control operates the vertical lift of the table. Middle control operates Trendelenberg and reverse Trendelenberg positioning and the right foot-control manipulates Fowler-back positioning.

Fowler Back

Use the hand or foot-controls to position the Fowler back can be adjusted from 0 to 85 degrees.

Wheels and Brakes

Larger than average swivel wheels are 5" in diameter, consisting of three locking wheels and one steering wheel. Designed to make movement easy, and tight corners a breeze, these wheels allow table placement in virtually any available space.



To set the brakes, step on the lock that sits atop each wheel.

To move the table, step on the release button for each wheel and release the brake.

Retractable Footrest

The retractable footrest enables easier and more secure patient positioning, and stores easily and out of the way beneath the seat.



Installing and Operating Optional Equipment

Stirrups

Insert the ankle stirrup assembly into the OR side rail. Turn bottom screw clockwise to tighten the assembly in place. Adjust the length of the stirrups by loosening the top outside knob, sliding the stirrup to the desired length and re-tightening the knob securely. Achieve desired height by loosening the knob at the front end of the assembly, repositioning the stirrup and re-securing the knob at the front end.



IV Pole

The I.V. Pole is adjustable and should be installed onto the IV pole bracket, affixed to the OR side rail on either side. Loosen the (black) IV pole knob at the base of the slide block and maneuver up and down until desired position is achieved.

Guardrails

Installing and Adjusting

Left and right guardrails are installed via two screws and bushings which are affixed to the OR rail.



To engage the guardrail, lift the top of the rail to an upright position and push down to secure. To lower the guardrail, lift the top rail to disengage the locking mechanism and pull the top rail toward the back of the table.

Knee Crutches

Installing and Adjusting:

Slide knee crutch assembly clamp onto OR rail at the foot of the table and lock in preferred position. The narrowed end of the knee crutch should point toward the foot of the table.



There are three positioning adjustments that can be made with the knee crutches:

Adjust the *height* of the padded knee crutch by loosening the clamp to the side. Slide the offset arm to the required height position and secure with the ball knob.

To adjust the leg *angle* of the knee crutch, unscrew the clamp and adjust the offset arm to the desired position using the multi-position lock and tighten.

The crutch pads can be repositioned for additional comfort by loosening the screw directly beneath the crutch. Angle the crutch pad to a comfortable position and retighten the screw to secure.

Drain Bag Holder and Screen

Installation:

Loosen drain bag clamps on the hoop assembly. Slide clamps over the OR rail at the foot end of the table. When positioned as desired, secure in place with knob underneath. Lift cushion and place the flap of the bag under the cushion. Replace the cushion to secure the drain bag. Guide the drain bag around the hoop assembly.



Specifications

Tabletop dimensions: 73 X 21 (L x W) (737.7 mm to 939.8 mm)

Motorized height adjustment from 29 to 37 inches

Motorized Trendelenberg range 0 to +/-15 degrees

Motorized Fowler back 0 to 85 degrees

Mattress 2" removable cushions

Electrical: 120 vac standard (220 vac optional)

Shipping weight: 300 lbs.

Tabletop Material: Two Fibersin® cushions

Sections: Fowler back (adjustable, 0-85 degrees), abdominal section and table extension.

Foot and hand-held remote controls

Patient load capacity: 450 lbs

1- year Limited Warranty

Products backed by this warranty are warranted against defects in workmanship for 1 year from date of purchase. This warranty does not include electrical products. Contact Tower Medical for full warranty details.

Major Parts List

Part Name	Part Number
Cushions	
- Top	9600-101
- Middle	9600-102
- Foot	9600-103
Actuator	9600-201
Battery Back-up	9600-202
Cord	9600-203
Connection Box	9600-204
Casters	
- Locking	9600-301
- Steering	9600-302
Foot extension	9600-401
Beirhoff Knee Crutches	9600-402
Ankle Stirrups	9600-403
Wedge	9600-404
I.V Pole	9600-405
Guard Rails	9600-406
Drain Bag Hoop Assembly	9600-407