

# VasScan™ Table X

## INSTRUCTIONS FOR USE



Owner: \_\_\_\_\_

Model: \_\_\_\_\_

Serial #: \_\_\_\_\_

Date: \_\_\_\_\_

VasScan™ Table X 984



VasScan™ Table X 284



VasScan™ Table X 084

We recommend these instructions stay with the product at all times.

A copy can be downloaded from our website [medicalpositioning.com](http://medicalpositioning.com)

Note: The information contained in this document is subject to change without notice.

# SYMBOL LEGEND



CAUTION



DATE OF MANUFACTURE



WARNING



SEE INSTRUCTIONS FOR USE



SERIAL NUMBER



MANUFACTURER



PROTECTIVE EARTH



AGENCY MARK



WARNING, SITTING IS PROHIBITED. FAILURE TO COMPLY MAY RESULT IN INJURY.



WARNING, STANDING IS PROHIBITED. FAILURE TO COMPLY MAY RESULT IN INJURY.



TYPE B= APPLIED PART



CONSULT IFU



CATALOG NUMBER



MAXIMUM PATIENT WEIGHT







MAXIMUM SAFE WORKING LOAD

## UNIQUE DEVICE IDENTIFICATION LABEL/CERTIFICATION LABEL

MEDICAL POSITIONING, INC.  
9738 PFLUMM RD  
LENEXA, KS 66215

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**REF** Model:  
Electrical:  
Duty Cycle:  
Manufactured:  
Product Weight:

:  
:  
:  


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This product complies with the applicable standards of Health and Human Services 21CFR Subchapter J

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ETL CLASSIFIED  
    
Intertek  
5005653

CONFORMS TO AAMI STD ES60601-1, IEC STD 60601-1-6  
CERTIFIED TO CSA STD. C22.2 # 60601-1

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Grounding reliability can only be achieved when equipment is connected to an equivalent receptacle marked Hospital Only or Hospital Grade

 **MedicalPositioning**

Medical Positioning, Inc.  
9732 Pflumm Rd  
Lenexa, KS 66215 USA  
www.medicalpositioning.com | 800-593-3246

See website for manual and warranty information  
Patent: www.medicalpositioning.com/patents

Serial Number - #####  
ITEM # ####  
Item Description  
Multi-purpose diagnostic imaging table



(01) 0 0848871 00633 8 (21) 0123456

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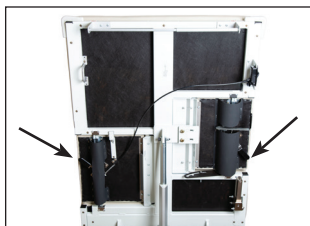
# CONTROLS AND INDICATORS (SOME OPTIONAL FEATURES SHOWN)



**SAFETY HANDRAIL RELEASE**



**FOLD-AWAY SAFETY  
HANDRAIL RELEASE**



**IMAGING DROP SECTION  
RAPID RELEASE**



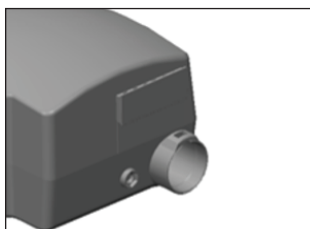
**INTEGRATED ARTICULATING  
ARM BOARD RELEASE**



**SINGLE PEDAL BRAKING**



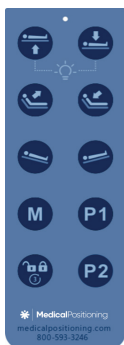
**INDIVIDUAL LOCKING  
CASTERS**



**AC INPUT**



**REMOTE RAPID RELEASE FOR  
IMAGING DROP SECTION**



**HAND CONTROL  
OVERLAY**



**BATTERY**

# PRODUCT DESCRIPTION

## Intended Use

The VasScan™ Table X is a configurable, multi-purpose imaging platform intended to support ergonomic patient positioning for vascular and ultrasound imaging procedures. It is designed to minimize repetitive stress injury, reduce exam time, and improve imaging results by providing versatile positioning capability.

This product is intended to be used in an environment where ultrasound and diagnostic equipment is present, including hospitals, and outpatient facilities.

The product is intended to be used by healthcare professionals who possess the ability to operate the product safely.

The product's movements are controlled both manually and electronically via the product's hand control.

The product is not intended for use in oxygen rich environments.

The hand control is not intended for patient use.

The product is intended for indoor use.

The product is not intended to be used as a patient transport device.

## Indications for Use

The VasScan™ Table X are indicated for most individuals weighing up to 600 pounds (272 kg).

## Contraindications

The product is contraindicated for patients, who in the caregiver's opinion, cannot safely sit in a chair or lie on an elevated surface.

## Essential Function and Performance

The device is to serve as a supportive structure to position and transition a patient from a seated or lying position, with adjustable supportive surfaces to raise and lower the patient safely and securely.

## Expected Life

The expected life of the product is 7 years of normal use. Some components may have a shorter life and require replacement.

*Note: See Warranty section for warranty information.*

## Discard the Unit

Upon reaching the end of its useful life the product may be discarded in accordance with local and federal standards. Recycle when possible.

## Safety Features

This product is equipped with multiple automated safety features to prevent danger or damage during use. The entire system is electrically isolated to UL/IEC 60601-1 and CAN/CSA-C22.2 basic safety standards.

The actuator assemblies are current overload protected. If overloaded, the actuators will stop and reset automatically.

The sealed hand control operates the actuators by directing small amounts of low voltage D.C. current to the control box. All actuator drives are equipped with internal limit switches which automatically prevent over-extension.

## Serious Incidents

If a serious incident were to occur in relation to your device, please report this incident to MedicalPositioning, Inc. If you are unable to report to MedicalPositioning directly, you may report this to your medical equipment distributor, who will then report the incident to MedicalPositioning. Please also report the incident to the Competent Authority in the Member state in which you are located.

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(The distributor from whom the product was purchased)

## MedicalPositioning, Inc.

9732 Pflumm Road  
Lenexa, KS 66215

MedicalPositioning.com  
816-474-1555  
800-593-3246 (ECHO)

# SAFETY PRECAUTIONS

Please read and understand all safety precautions and user instructions prior to use.  
Call MedicalPositioning, Inc. with any questions or for additional information.

Always read and strictly follow the warnings and cautions listed on these pages. Service only by qualified personnel.

 Obey these safety instructions to help prevent injury and/or equipment damage:

- Read and understand all warnings in this manual and on the unit itself prior to use with a patient.
- The device should be operated by trained persons only.
- Authorized and qualified persons will be those who are approved by MedicalPositioning Inc. to repair or modify the product.
- Do not modify this equipment without authorization of the manufacturer.
- Equipment should only be serviced by authorized personnel.
- The procedures in this manual are only manufacturer's suggestions. The final responsibility for patient care with respect to this device remains with the caregiver.
- Do not use in an oxygen rich environment.
- Do not leave patient unattended while using the product.
- To reduce the risk of electric shock, grounding reliability can only be achieved when the equipment is connected to an equivalent receptacle marked "hospital only" or "hospital grade".
- If damage has occurred to the power cord, immediately remove the cord from service. Failure to do so could result in serious injury or death.
- The battery should be periodically inspected for damage. If damage has occurred to the battery, immediately remove the battery from service. Failure to do so could result in serious injury or death.
- Removal of secured covers may increase the risk of electrical shock. Refer servicing to qualified and approved personnel.
- The potential for electrical shock exists with electrical equipment. Failure to follow facility protocols may cause death or serious injury.
- Ensure the patient is properly secured prior to using the equipment.
- To reduce the risk of a potential injury, lock casters before using equipment.
- Once the product and patient have been properly positioned for the procedure, ensure the casters are locked and the hand controller is placed in a safe position to prevent unwanted contact and unwanted movement of the support surface.
- To reduce the risk of the product becoming unbalanced, always position the product in the lowest reasonable height when moving.
- Verify the area around the product is free of impediments before operating to prevent injury or equipment damage.
- Keep hands and feet clear from beneath the patient surface when lowering surface height or making positioning adjustments in order to avoid possible injury.
- Keep hands and feet clear of the scissor lift mechanism when operating or making positioning adjustments in order to avoid possible injury.
- Keep hands clear of any hinges during operation to avoid possible injury.
- Sitting at the end of the patient's surfaces can result in device instability. Do not allow a patient to sit at the head end of the patient surface.
- The Patient Foot Board should be used for steep reverse Trendelenburg positions to ensure patient stability.
- Protect vinyl upholstery from sharp objects and abrasion to avoid damage.
- Always read manufacturer's instructions and warnings before using any cleaning product or disinfectant. Refer to instructions located in this manual for vinyl cleaning recommendations.
- Substances such as imaging gels and alcohol will not damage the vinyl surface when immediately removed. Extended exposure for longer than a few minutes can damage the topcoat and will eventually discolor vinyl.
- Do not use abrasives to clean painted surfaces.
- It is recommended that the product be cleaned between patients; please follow your facility's documented policy.
- Keep this manual available for future reference.
- If the product is used adjacent to other electrical equipment, observe the product and the other electrical equipment to ensure they operate as intended.
- Failure to latch Dual Rapid Release Imaging Drop Sections may result in patient injury. Verify Dual Rapid Release Imaging Drop Sections is locked in position before and after use.
- Verify the Carotid Headrest is secure prior to using the product.
- Verify the Safety Handrails are secure prior to using the product and after each Safety Handrails adjustment.
- Do not exceed the weight capacity of the product.

# PRODUCT SPECIFICATIONS

Model Number: 084

Description: VasScan™ Table X

## Standard

- Hand Control w/ Memory Positioning
- Individual Locking Casters
- Fowler Positioning
- +15°/-30° Trendelenburg Positioning
- Height Range 19"-38"
- Adjustable Removable Patient Footboard

## Optional

- Single Pedal Braking
- Patient Safety Belt
- Positioning Wedge
- Removable Safety Handrails w/ Hide-Away Bracket
- Fold-Away Safety Handrails
- Carotid Head Support
- Battery Functionality
- Underbed Light
- 3" Foam Upholstery Kit

- IV Pole and Holder
- Paper Roll Holder and Cutter Strap
- Head Rail
- Foot Control
- Sonographer Extension
- Leg Supports
- Armboard

Model Number: 284

Description: VasScan™ Table X

## Standard

- Hand Control w/ Memory Positioning
- Individual Locking Casters
- Fowler Positioning
- +15°/-30° Trendelenburg Positioning
- Height Range 19"-38"
- Adjustable Removable Patient Footboard
- Dual Rapid Release Imaging Drop Sections: Rapid Release Imaging Drop Section and 2-Way Sonographer Drop Section/Patient Back Support with Patient Non-Pinch Flaps

## Optional

- Single Pedal Braking
- Patient Safety Belt
- Positioning Wedge
- Removable Safety Handrails w/ Hide-Away Bracket
- Fold-Away Safety Handrails
- Carotid Head Support
- Battery Functionality
- Underbed Light
- IV Pole and Holder

- Paper Roll Holder and Cutter Strap
- Head Rail
- Foot Control
- Pediatric/Geriatric Adapter
- Sonographer Extension
- Leg Supports
- Armboard

Model Number: 984

Description: VasScan™ Table X

## Standard

- Hand Control w/ Memory Positioning
- Individual Locking Casters
- Fowler Positioning
- +15°/-30° Trendelenburg Positioning
- Height Range 19"-38"
- Adjustable Removable Patient Footboard
- Intergrated Dual Articulating Arm Boards with Patient Non-Pinch Flaps

## Optional

- Single Pedal Braking
- Patient Safety Belt
- Positioning Wedge
- Removable Safety Handrails w/ Hide-Away Bracket
- Fold-Away Safety Handrails
- Carotid Head Support
- Battery Functionality

- Underbed Light
- IV Pole and Holder
- Paper Roll Holder and Cutter Strap
- Head Rail
- Foot Control
- Leg Supports

SPECIFICATIONS	IMPERIAL	METRIC
Electrically Adjustable Height	19" to 38"	482-965mm
Electrically Adjustable Flower	0° to 65°	0° to 65°
Electrically Adjustable Trendelenburg Positioning	15°	15°
Electrically Adjustable Reverse Trendelenburg Positioning	30°	30°
Electrically Isolated Hand Wand	24 VDC	24 VDC
Dynamic Load Capacity, Table	600 lbs.	272 kg
Load Capacity, Sonographers Extension	200 lbs.	90 kg

SPECIFICATIONS	IMPERIAL	METRIC
Casters	5" Individual Lock Casters	127 mm
Table Surface Length	80.5"	24536 mm
Table Surface Width	28"	8534 mm
Product Weight	420 lbs.	190 kg

## MATERIALS

ATTRIBUTE	DESCRIPTION
Frame	Steel, Stainless Steel
Plastics	Marine Grade Polymer, Copolymers, HDPE
Foam	1850 Foam
Vinyl	Modena EcoSense from Spradling®

## RECOMMENDED ENVIRONMENTAL CONDITIONS

ATTRIBUTE	RANGE FOR USE	RANGE FOR STORAGE AND TRANSPORT
Ambient Temperature	0°C to +40°C	-10°C to +50°C
Relative Humidity-at 30 C non condensing	20%-90%	20%-90%
Atmospheric Pressure	860 to 1060 hPa	860 to 1060 hPa

## POWER REQUIREMENTS

ATTRIBUTE	SPECIFICATION
Electrical, Product	100-240 VAC, 50/60 Hz, 5 A
Electrical, Battery Charger	100-240 VAC, 50/60 Hz
Battery Option	24 VDC, 2.9 Ah
Duty Cycle	10% max, 2 min. on / 18 min. off

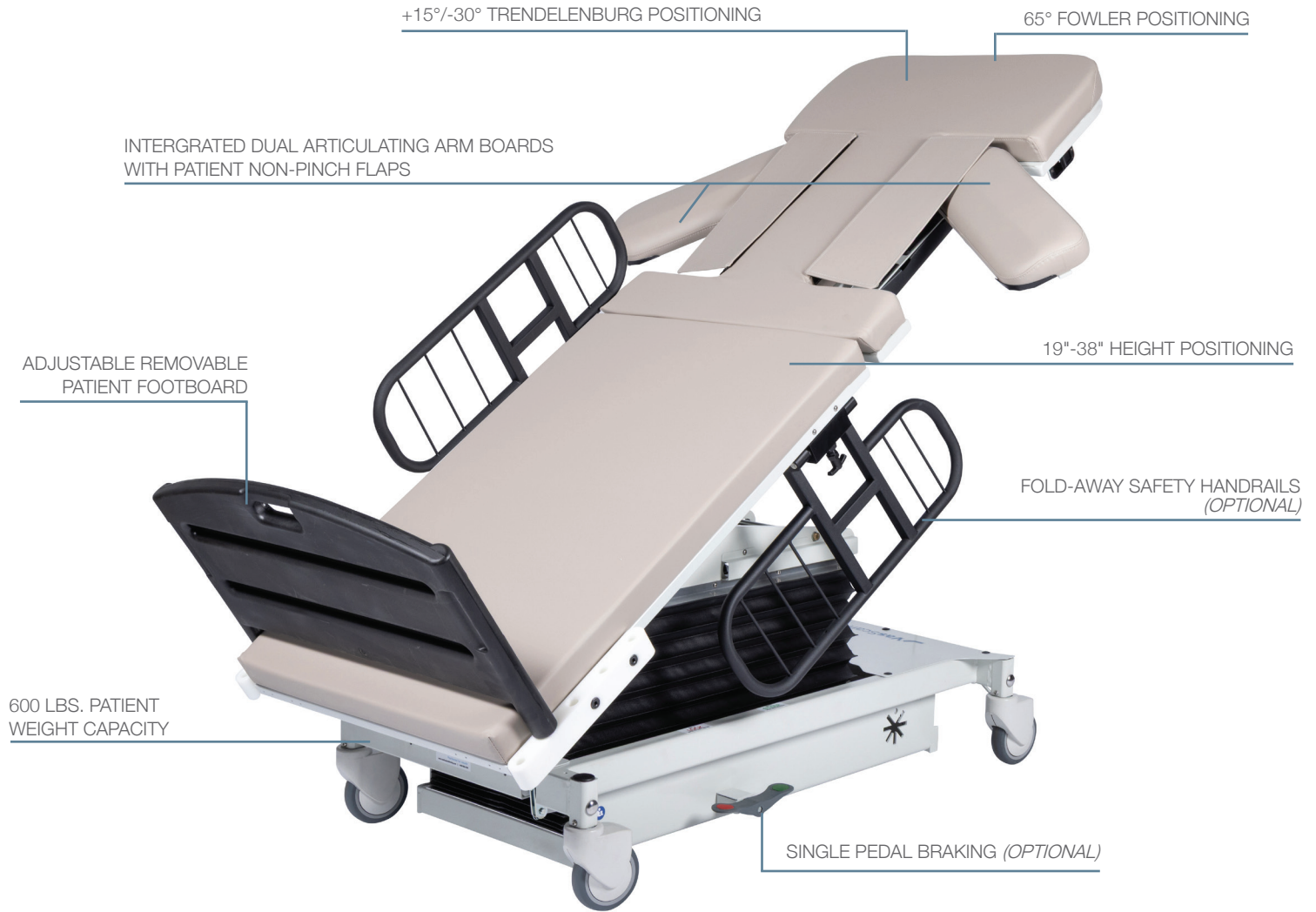
## CLASSIFICATIONS AND STANDARDS

ATTRIBUTE	SPECIFICATION
Standards	• AAMI ES60601-1: 2005 + A1, IEC 60601-1-6: 2010 + A1, CSA C22.2 No. 60601-1: 2014
Protection against Electrical Shock	• Class I equipment • Type B applied part
Degree of protection against Dust and Fluid intrusion	• IPX0

- All electrical circuitry is isolated from chassis.
- Grounding reliability can only be achieved when the equipment is connected to an equivalent receptacle marked "Hospital Only" or "Hospital Grade".
- The power cord is to be used for mains disconnection.
- Attached power supply cord set is not allowed to be diverted to other equipment.

# PRODUCT FEATURES *(SOME OPTIONAL FEATURES SHOWN)*

## VasScan™ Table X 984



DUAL RAPID RELEASE IMAGING DROP SECTIONS:  
RAPID RELEASE IMAGING DROP SECTION AND  
2-WAY SONOGRAPHER DROP SECTION/PATIENT  
BACK SUPPORT WITH PATIENT NON-PINCH FLAPS



## VasScan™ Table X 284

## VasScan™ Table X 084

# USE INSTRUCTIONS

## INITIAL PRODUCT SET UP

The product has been shipped in "plug and play" condition. Initial testing should be performed to ensure that all functions are in correct working order. After performing the test and reviewing this manual the product is ready for use.

STEP	ACTION
1	After removing packaging materials, locate the primary power supply cord and attach to a suitable grounded power outlet.
2	To test actuator function, locate the hand control and depress each button one at a time (Depressing multiple buttons simultaneously will prevent the motor from operating).
3	If any function does not operate, perform the test procedures listed in the Troubleshooting Guide.

## TRANSPORT POSITION

This product is not intended for use as a patient transport device. Limited repositioning of the bed may be performed while a patient remains on the surface (e.g., to access the opposite side of the patient based on room setup).

Do not use this product to transport patients through hallways or between locations within a facility.

## POWERING THE PRODUCT

\*Please refer to the **Battery Information** section of the IFU for indicator information and proper care information for batteries.

The product may be powered by AC power from a wall outlet or by DC power via the optional battery. The product is "on" when plugged into AC power or when a charged battery is installed.

The product should not be positioned in a way that would make it difficult to remove power by unplugging the AC power cord or unplugging the optional battery.

**Note:** The lifting capacity and speed of the product may be reduced while on battery power.

## ⚠ WARNING

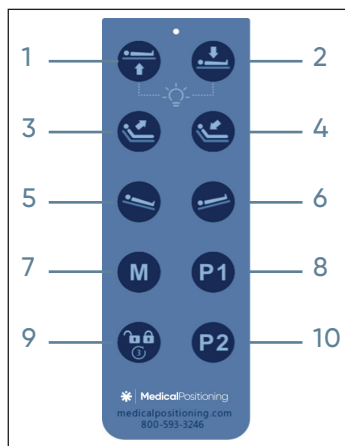
- To reduce the risk of electrical shock, grounding reliability can only be achieved when the equipment is connected to an equivalent receptacle marked "hospital only" or "hospital grade."
- If damage has occurred to the power cord, immediately remove the cord from service. Failure to do so could result in serious injury or death.
- If damage has occurred to the battery, immediately remove the battery from service. Failure to do so could result in serious injury or death.
- The battery should be periodically inspected for damage. Replace the battery if necessary.

## CONTROL

### HAND CONTROL FUNCTIONS

#### Button Functions

- 1 - Column Up
- 2 - Column Down
- 3 - Fowler Back Up
- 4 - Fowler Back Down
- 5 - Reverse Trendelenburg
- 6 - Trendelenburg
- 7 - Memory
- 8 - Memory Position 1
- 9 - Hand Control Unlock/Lock
- 10 - Memory Position 2



#### Surface Height Adjustment

##### (Column Up and Column Down)

The surface height may be adjusted between 19" and 38".

#### Fowler (Back) Adjustment (Back Up and Back Down)

The Fowler section may be adjusted between 0° and 65°.

#### Trendelenburg Adjustment

The table may be adjusted between 15° Trendelenburg and 30° Reverse Trendelenburg.

#### Under-Bed Lights (optional)

Press both Column Up-Down buttons to turn on/off the under-bed lights.

#### Memory Function

The Hand Control features two programmable memory positions.

To set a memory position, press and hold the "M" button and then simultaneously press and hold either "P1" or "P2". The Hand Control green LED will flash 3 times when the memory position has been set. Setting a memory function takes approximately 3-4 seconds.

The memory positions can be reset by following the instructions above.

#### Hand Control Lock/Unlock

The Hand Control function may be locked to prevent unwanted movement.

Press and hold the lock/unlock button for 3 seconds to **lock** functions. The green LED at the top of the Hand Control will light up.

Press and hold the lock/unlock button for 3 seconds to **unlock** functions. The green LED at the top of the Hand Control will turn off.

**THE IFU MAY SHOW OPTIONS THAT ARE NOT EQUIPPED ON YOUR PRODUCT**

## CONTROL (CON'T)

### Hand Control Storage

The Hand control storage hooks are located on the patient's left side, at both the head and foot ends of the bed.

#### WARNING

- Ensure IV lines and Oxygen tubing and other patient attachments are clear before moving product.
- Verify the area around the product is free of impediments before operating to prevent injury or equipment damage.
- Keep hands and feet clear from beneath the patient surface when lowering surface height or making positioning adjustments in order to avoid possible injury.
- Keep hands clear of any hinges during operation to avoid possible injury.



## ACCESSORIES

### FOOT CONTROL (OPTIONAL)

#### Foot Control Functions

- Column Up, Column Down
- Fowler Back Up, Fowler Back Down
- Trendelenburg and Reverse Trendelenburg



### SINGLE PEDAL BRAKING (OPTIONAL)

Pedals are located on each side of the base and are used to adjust the caster function. Functions include steer, neutral, and lock, and are enabled by pressing down on the pedal. The casters are in neutral position when the pedal is level.



### INDIVIDUAL LOCKING CASTER

Individual locks are located on each of the four included casters. Press down on the pedal to lock and press the release to unlock.



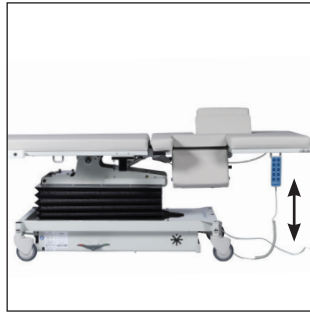
#### WARNING

- To reduce the risk of a potential injury, lock casters before using equipment.
- Once the product and patient have been properly positioned for the procedure, ensure the casters are locked and the Hand Control is placed in a safe position to prevent unwanted contact and unwanted movement of the product surface during the procedure.

## ELECTRONIC ADJUSTMENT

### HEIGHT POSITIONING

The surface height may be adjusted between 19" and 38".



### FOWLER POSITIONING

The Fowler section may be adjusted between 0° and 65°.



### TRENDELENBURG POSITIONING

Trendelenburg may be adjusted between 15° Trendelenburg and 30° Reverse Trendelenburg.



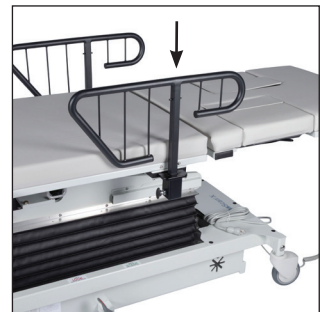
## ACCESSORIES

### REMOVABLE SAFETY HANDRAILS W/HIDE-AWAY BRACKET (OPTIONAL)

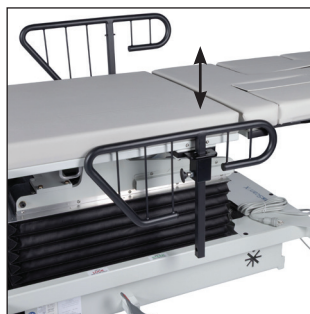
Pull the Removable Safety Handrail mounting bracket outward.



Place the Removable Safety Handrail into the mounting bracket.



Pull the release lever and lower the Removable Safety Handrail so the locking pin engages the hole in the Removable Safety Handrail.



The Removable Safety Handrails may be lowered or removed by pulling on the release lever.



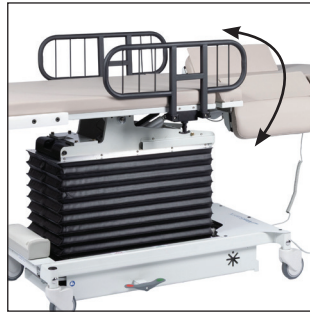
### WARNING

• Verify the Removable Safety Handrails are secure prior to using the product and after each Removable Safety Handrail adjustment.

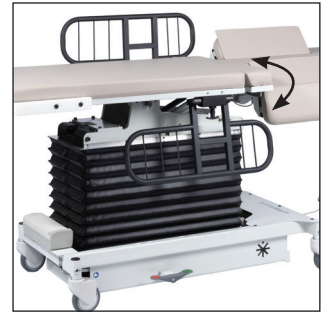
## ACCESSORIES

### FOLD-AWAY SAFETY HANDRAILS (OPTIONAL)

The Fold-Away Safety Handrails are stored under the support surface when not in use and automatically locked by the spring-loaded locking pin.



The safety handrails may be upright or stored by pulling the release plunger and rotating the safety handrail up or downward.



#### **WARNING**

• Verify the safety handrails are secure prior to using the product and after each handrail adjustment.

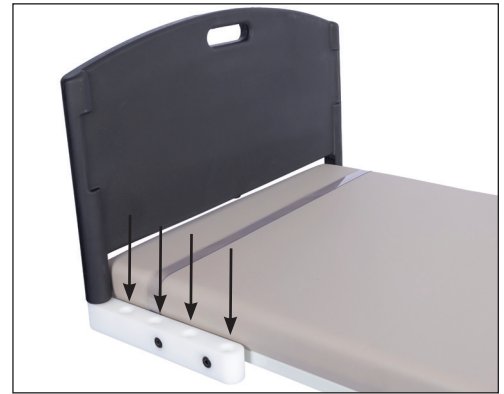
### ADJUSTABLE REMOVABLE PATIENT FOOTBOARD

The product is equipped with a footboard used during procedures requiring a reverse Trendelenburg position.

The footboard inserts into the receiving block located on the stationary section. The footboard height can be adjusted by approximately 3" increments.

#### **WARNING**

• The footboard should be used for steep reverse Trendelenburg positions to ensure patient stability.



### PEDIATRIC/GERIATRIC ADAPTER (OPTIONAL)

The product can be used with an optional Pediatric/Geriatic Adaptor. This accessory reduces the size of the opening of the imaging Drop Section when imaging smaller patients.



### LEG SUPPORTS (OPTIONAL)

The product may be equipped with two optional Leg Supports. If installed, they will be located at the foot end of the bed.

Install the Leg Supports by inserting the end piece into one of the two mounts located on the foot end of the product and secure in place with threaded knob. The Leg Supports can be removed by pulling it out of the mounts.

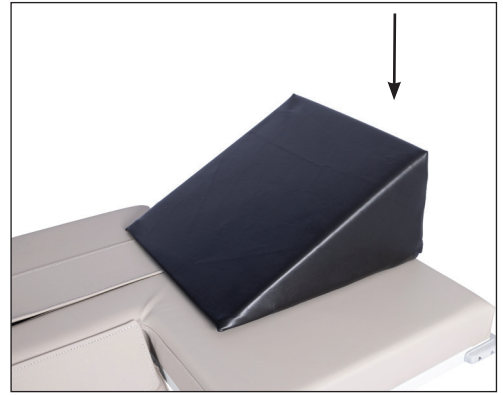


## ACCESSORIES

### POSITIONING WEDGE

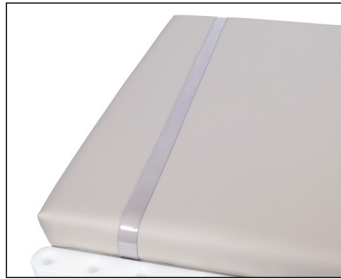
The product may be used with a Positioning Wedge. The Positioning Wedge can be used to achieve additional patient positions.

Place the Positioning Wedge flush with the head end of the bed. Position the Positioning Wedge so it is centered evenly between the sides of the bed. Reposition the Positioning Wedge under the patient's shoulders and head once they are on the bed.



### PAPER ROLL HOLDER AND CUTTER STRAP (OPTIONAL)

The product is compatible with an optional Paper Roll Holder equipped with an integrated strap-style paper cutter.



### PATIENT SAFETY STRAP (OPTIONAL)

Disengage the belt strips by pulling them apart. Position the strips as needed, then press them together to reattach.



### IV POLE AND BRACKETS (OPTIONAL)

The product may be equipped with two IV pole holders. If installed they will be located at the head end of the bed.

Install the IV pole by inserting the end piece into one of the two mounts located on the head end of the product and secure in place with threaded knob. The IV pole can be removed by pulling it out of the mounts.



## ACCESSORIES

### SONOGRAPHER EXTENSION (OPTIONAL)

The VasScan™ Table X offers an optional removable Sonographer Extension. This accessory is designed to increase the usable sitting area and enhance comfort for right-handed scanning sonographers. The extension can be added or removed as needed.

To insert the Sonographer Extension, rotate the support bracket to the side of the use position. Insert the Sonographer Extension pilot tube into the support bracket.



To remove the Sonographer Extension, pull straight up on the Sonographer Extension until the pilot tube is free of the support bracket.



### WARNING

• Sonographer should not be seated on the Sonographer Extension when operating the actuators or moving the product.

### CAROTID HEADREST (OPTIONAL)

Loosen the knob behind the Headrest to rotate the pad.

The Headrest is adjustable in depth and height by loosening each knob and putting the Headrest into position.

Tighten knobs securely.

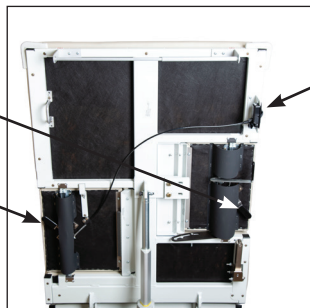


# ERGONOMIC PATIENT ACCESS

## DUAL RAPID RELEASE IMAGING DROP SECTIONS: RAPID RELEASE IMAGING DROP SECTION AND 2-WAY SONOGRAPHER DROP SECTION/PATIENT BACK SUPPORT WITH PATIENT NON-PINCH FLAPS (OPTIONAL)

The VasScan™ Table X may be equipped with drop sections in the Fowler section. These drop sections may be lowered to provide the sonographer access to the patient. They may also be raised to act as a Back Support.

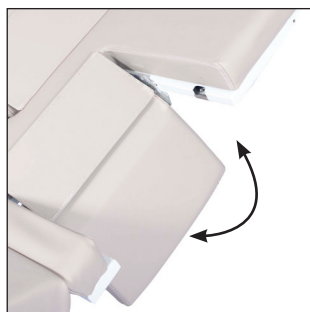
The drop sections may be raised or lowered by rotating the release lever on each drop section.



The Rapid Release Imaging Drop Section may also be lowered using the remote release, located on the patient's right.

Hold the release lever open while lowering the drop section to its open position.

To close the drop section, lift up on the drop section until the latch engages.



To use the Drop Section as a back support, lift the drop section on the patient's right side until it locks into position at either 50° or 80°.

To lower, rotate and hold the release lever to unlock, then carefully lower the section until it is fully closed.



Only the patient's right side is designed to raise for back support.

### WARNING

• Failure to latch Drop Sections may result in patient injury. Verify Drop Sections are locked in position before and after use.

## ERGONOMIC PATIENT ACCESS *(CON'T)*

The VasScan™ Table X may be equipped with Integrated Dual Articulating Arm Boards on the Fowler section. These Integrated Dual Articulating Arm Boards may also be raised into a Patient Back Support position or lowered into Drop Down Sections.

### INTEGRATED DUAL ARTICULATING ARM BOARDS WITH PATIENT NON-PINCH FLAPS

To position the arm board, lift and rotate outward to the desired position.

To store the arm board, rotate inward until the arm board is in its locked position.



To use the Patient Back Support feature, pull up on the outer edge of the Integrated arm board until it locks into the Patient Back Support position.



Use the remote release to lower the Patient Back Support.



### INTEGRATED DUAL ARTICULATING ARM BOARDS WITH PATIENT NON-PINCH FLAPS AND DROP DOWN SECTIONS

To use the Patient Back Support feature, pull up on the outer edge of the arm board until it locks into the Patient Back Support position.

To position the arm board, lift and rotate outward to the desired position.

To store the arm board, rotate inward until the arm board is in its locked position.



Hold the release lever open while lowering the drop section to its open position.

To close the drop section, lift up on the drop section until the latch engages.



Use the remote release to lower the Patient Back Support.



## BATTERY INFORMATION

The rechargeable battery must be charged periodically for at least 24 continuous hours to protect the battery from fully discharging. If the battery is not charged for an extended period of time, it may lose its ability to hold a charge and will require replacement. The battery may be charged by plugging the table into AC power or by using the available external battery charger listed in the Replacement Parts and Upgrade Kits section of this manual.

If the product is being stored for an extended period of time it is recommended the battery be charged at least 24 hours every 6 months.

The service life of the battery depends on many factors. For the longest service life, keep the battery charged. The system is recommended to be continually connected to mains in a state of float charge. The battery will begin to deplete when left disconnected from mains. The single factor most determinate to battery life is the number of complete discharge/recharge cycles. If the battery is fully depleted before recharging, performance is expected to severely degrade after only approximately 200 cycles. Your battery service life will vary according to your specific usage. If the battery is left in storage for greater than 6 months without charging, it may be damaged and no longer capable of holding a functional charge.

The battery should be charged continuously at least 24 hours under the following circumstances:

- First Operation
- Before long period storage without AC-in
- First operation after long period storage

### WARNING

• *The lifting capacity of the product is reduced while on battery power. The product will only lift a 500lb patient from the minimum height.*

The battery charge level is indicated by the LED on the battery cradle. The following table provides an overview of battery status:

STATUS	LED INDICATOR	BATTERY LEVEL
Hi Charging	Green – Continuous On	>80%
Charging	Green – Blinking (1 sec on / 1 sec off)	<80%
Hi Battery	Green – Blinking (.5 sec on / 4 sec off)	>25%
Low Battery	Orange – Blinking (.5 sec on / 4 sec off)	<25%
Protection	LED is off	<20%
Failure	Orange – Continuous On	-

DUTY CYCLE	10%, 2 minutes continuous use, 18 minutes not in use
CHARGE TIME	Approx 24 hours (continuous)
RECHARGING DURING STORAGE	First recharge of the battery must be no later than 6 months after the production date stated on the label. Hereafter the battery must be recharged at least every 6 months.
OPERATING TEMPERATURE	+ 5 °C to + 45 °C
STORAGE TEMPERATURE	-10 °C to + 50 °C The batteries must be stored in an applicable storage room without direct sunlight.
APPROVALS	UL/IEC 60601-1 and CAN/CSA-C22.2

### WARNING

- *DO NOT heat or burn the battery*
- *DO NOT short circuit the battery*
- *DO NOT expose the battery to high impact*
- *DO NOT crush or puncture the battery*
- *DO NOT use batteries with signs of damage or corrosion*
- *DO NOT charge or store the battery near combustible material*
- *DO NOT expose the battery to water or other liquids*

# MEDICAL ELECTRICAL EQUIPMENT CLASSIFICATIONS

ATTRIBUTE	SPECIFICATION
Type of protection against electric shock	<ul style="list-style-type: none"> <li>• Class I ME Equipment</li> </ul>
Degree of protection against electric shock (Type of applied parts)	<ul style="list-style-type: none"> <li>• Type B applied part</li> <li>• Padded surfaces, straps, Integrated Patient Foot Board</li> </ul>
Mode of operation	<ul style="list-style-type: none"> <li>• Duty cycle 10 %max, 2 min ON / 18 min OFF</li> </ul>
Ingress Protection Code (protection against intrusion, dust, accidental contact, and water)	<ul style="list-style-type: none"> <li>• TC1 Control Box - IP66</li> <li>• TH2 Hand Control - IP66</li> <li>• TBB7 Battery - IP54</li> <li>• TLB Splitter Box - IP66</li> <li>• TA12 Actuator - IP66</li> <li>• TA1 Actuator - IP66</li> </ul>
Method(s) of sterilization or disinfection	<ul style="list-style-type: none"> <li>• Not intended to be sterilized or disinfected</li> </ul>

## IP Rating Definitions:

- IP54: The product is fully protected against solid objects and splashing of water from any angle.
- IP66: Protection from ingress and water.

## ELECTROMAGNETIC EMISSIONS GUIDANCE

The product uses components that meet the requirements for IEC 60601-1-2. Other products that are used in the vicinity of this product should also comply with this standard. If they do not comply, electromagnetic interference between the products could cause the products to operate incorrectly. If problems do occur, contact the product manufacturer(s).

Make sure the product operates correctly when used near other electronic devices. Portable and mobile radio frequency (RF) communications equipment can affect electrical equipment.

### WARNING

- *If the product is used adjacent to other electrical equipment, observe this product and the other electrical equipment to make sure they operate as intended.*

## ELECTROMAGNETIC COMPATIBILITY

Medical electrical equipment needs special precautions regarding electromagnetic compatibility (EMC).

Portable and mobile radio frequency (RF) communications equipment can affect medical electrical equipment.

### WARNING

- *Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.*
- *Use of accessories, transducers, and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.*
- *Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the Stress EchoBed® including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.*

# PREVENTIVE MAINTENANCE

A regular preventive maintenance program should be established for all MedicalPositioning, Inc. equipment to ensure it is in safe operating condition. Preventive maintenance may need to be performed more frequently based on the usage level of the product. The following preventative maintenance should be performed at a minimum annually. If any of these checks fail, repair or replace the part as applicable.

MedicalPositioning recommends that a written record is maintained of inspections of this product.

Recommended Preventive Maintenance checks should include:

- Visually inspect all mechanical assemblies and moving parts on the product ensuring smooth, steady operation.
- Visually inspect all fasteners (bolts, nuts, screws, etc.) to ensure all are fully installed. Tighten as necessary.
- Visually inspect all electrical cables and wires for signs of abrasion or other damage. If damaged, replace.
- Visually inspect all electrical connections to ensure they are fully and properly connected. Reconnect as necessary.
- Visually inspect the hand control. If damaged, replace.
- Operate all latch mechanisms to ensure proper engagement of latch into receiver. Adjust if necessary.
- Operate all motors to ensure full extension, retraction and correct operation. The motors are permanently lubricated and require no additional lubrication.
- Operate the braking system to ensure proper engagement of the wheel and swivel lock mechanism. Replace as necessary.
- Operate all accessories to ensure proper attachment and operation. Tighten, adjust or replace if necessary.
- Visually inspect the battery for damage. Replace the battery if necessary.
- Unauthorized modification of this product voids any applicable warranty.

This section applies to all people that may interact with the equipment, including radiologists and service personnel. Never service equipment while a patient is on the device.

If there is any doubt about the continued safe use of your product or if any of its parts should fail or become worn, discontinue use of the product, and contact our Product Support team or your local distributor for replacement parts immediately. Repair or replacement should be conducted by authorized personnel only.

The manufacturer will make available on request circuit diagrams, component part lists, descriptions, calibration instructions, or other information that will assist service personnel to repair those parts of ME equipment that are designated by the manufacturer as repairable by service personnel.

## WARNING

- *No modification of this equipment is allowed.*
- *Equipment should only be serviced by authorized personnel.*
- *Removal of secured covers may increase the risk of electrical shock. Refer servicing to qualified and authorized personnel.*
- *The potential for electrical shock exists with electrical equipment. Failure to follow facility protocols may cause death or serious injury.*
- *Do not service the device while in use with a patient.*

# CLEANING & CARE INFORMATION

## Plastic and Painted Surfaces

The painted metal and plastic surfaces can be cleaned with normal cleaners and disinfectant. The preferred method of everyday cleaning is using a soft cloth or sponge with mild soap and water or disinfectant. Spills and accidents require immediate attention for the best results. When caught quickly, most stains such as grease, blood and felt tip pens can be wiped right off. Mild soap and water is the preferred method; however, typical hospital-grade antiseptic wipes work as well. For more stubborn stains, a variety of concentrated and solvent type cleansers may be used without damaging the surface as it is wiped dry.

Always start with the mildest cleaning agents first. Never use harsh powdered abrasive cleansers or steel wool. Products containing bleach, ammonia or alcohol should be wiped from the surface with a wet cloth after use. Residue from these products will damage plastic and painted surfaces.

STEP	ACTION
1	Clean and/or disinfect with liquid cleaner of choice being careful to follow label instructions provided with cleaner. (Always test a small area first to determine suitability of solution)
2	Wipe the surface clean with a damp cloth after applying cleaners and disinfectant to remove excess residue buildup.

## Modena EcoSense Vinyl from Spradling®


The upholstered surfaces can be cleaned in one of the following ways:

The preferred method of everyday cleaning is using a soft cloth or sponge with mild soap and water or disinfectant. Spills and accidents require immediate attention for the best results. When caught quickly, most stains such as grease, blood and felt tip pens can be wiped right off. Mild soap and water is the preferred method; however, typical hospital-grade antiseptic wipes work as well. For more stubborn stains, a variety of concentrated and solvent type cleansers may be used without damaging the surface as long as they are thoroughly rinsed off with water.

Always start with the mildest cleaning agents first. Never use harsh powdered abrasive cleansers or steel wool. Products containing bleach, ammonia or alcohol should be wiped from the surface with a wet cloth after use. Residue from these products will damage upholstered surfaces.

STEP	ACTION
1	Clean and/or disinfect with liquid cleaner of choice being careful to follow label instructions provided with cleaner. (Always test a small area first to determine suitability of solution)
2	Wipe the surface clean with a damp cloth after applying cleaners and disinfectant to remove excess residue buildup.

### RECOMMENDED MAXIMUM CLEANER TO WATER SOLUTIONS

 <p>MILDEST</p> <p>STRONGEST</p>	1:9 mix of pH neutral soap and water. Use a soft white cotton cloth saturated with cleaning material. Wipe surface with damp cloth with water only after cleaning.
	Straight application of pH neutral soap. Use a soft white cotton cloth saturated with cleaning material. Wipe surface with damp cloth with water only after cleaning.
	Straight application of medical Sani-wipes. Wipe surface with damp cloth with water only after cleaning. Wipe surface with damp cloth with water only after cleaning.
	1:10 mix of common cleaner and water. Use a soft white cotton cloth saturated with cleaning material. Wipe surface with damp cloth with water only after cleaning.
	Straight application of common cleaner. Use a soft white cotton cloth saturated with cleaning material. Wipe surface with damp cloth with water only after cleaning.
	1:9 mix of isopropyl alcohol and water. Use a soft white cotton cloth saturated with cleaning material. Wipe surface with damp cloth with water only after cleaning.
	1:1 mix of isopropyl alcohol and water. Use a soft white cotton cloth saturated with cleaning material. Wipe surface with damp cloth with water only after cleaning.
	1:9 mix of 5% bleach and water. Use a soft white cotton cloth saturated with cleaning material. Wipe surface with damp cloth with water only after cleaning.

This information is not a guarantee and does not relieve the user from the responsibility of proper and safe use of the product and all cleaning agents.

#### WARNING

- It is recommended that the product be cleaned between patients; please follow your facility's documented policy.

#### CAUTION

- Substances such as imaging gels and alcohol will not damage the fabric surface when immediately removed. Studies have shown that exposure for longer than a few minutes can damage the top coat and will eventually discolor fabric.
- Always read manufacturer's instructions and warnings before using any cleaning product or disinfectant.
- Do not use abrasives to clean painted surfaces.

# PRODUCT SUPPORT

A “**Troubleshooting Guide**” is included to instruct you in the event of a malfunction. If you are experiencing any of the following symptoms, this guide may help you quickly solve the problem. If, after consulting this guide, you are still unable to operate your product please contact MedicalPositioning at 1-800-593-3246. Please have the following information ready when you call:

1. Model Number or Name of Product
2. Serial Number
3. Date Received
4. Condition When Received
5. Symptom (or problem) Encountered & Result of Troubleshooting Procedure
6. Contact Information
7. EM and call back number
8. Department of Contact

## TROUBLESHOOTING GUIDE

SYMPTOM	PROBABLE CAUSE	SUGGESTION
NO ACTUATOR FUNCTION ACTUATOR(S) NOT RUNNING	Power cord not plugged all the way into wall receptacle.	Push power cord securely into receptacle.
	Power outlet receptacle not supplying AC power.	Check power availability or plug unit into another receptacle.
	The power cord may be separated from the control box.	Securely press power cord into control box.
	Battery may be drained.	Replace or charge battery.
	Actuator cord may be unplugged.	Push actuator cords securely into actuator receptacle.
	Product was overloaded and tripped internal fuse in control box.	Replace control box.
	Product motion is limited at certain heights and angles.	Return the surface to a level position to restore full range of motion.
	The product will not move when hand control buttons are pressed.	The hand control buttons may be locked. Press and hold the control lock/unlock button for 3 seconds until green LED is off
SQUEAKING NOISES DURING OPERATION	Actuator pins are not sufficiently lubricated.	Apply WD40 or similar lubricant to actuator pins.

### WARNING

- Do not modify this equipment without authorization of the manufacturer.
- Removal of secured covers may increase the risk of electrical shock. Refer servicing to qualified personnel.
- The battery should be periodically inspected for damage. Replace the battery if necessary.

## PARTS AND UPGRADE KITS

The following items are parts or upgrade kits for the VasScan™ Table X.

PART #	PART DESCRIPTION
15783	Hand Control
15544	1 Function Foot Control
15543	3 Function Foot Control
15509	Battery Functionality
15395	Replacement Battery
15555	Adjustable Removable Patient Footboard
15513	Sonographer Seat Replacement
10097	Pediatric/Geriatric Adapter
11943	Positioning Wedge
15505	Multi-Function Control Kit
10098	Paper Roll Holder Kit
16151	Fold-Away Safety Handrails Kit
16156	Removable Safety Handrails w/Hide-Away Bracket
10855	IV Pole Kit
15508	Battery Wall Charger Kit
15507	Carotid Headrest Kit
15510	Underbed Hook Kit
15511	Underbed Light Kit <sup>1</sup>
15512	Sonographer Extension Kit
11020	Arm Board Kit
15600	Leg Supports
15602	Head Rail
15991	3" Foam Upholstery Kit
11430	Patient Safety Strap

<sup>1</sup>The Multi-Function Control Kit is required with the Under-bed Light Kit and Foot Control.

## DECLARATION OF CONFORMITY

The VasScan™ Table X is listed as a Class I Medical Device under US regulations.

Medical Positioning, Inc. is certified in compliance with ISO 13485 Medical Devices - Quality Management System - Requirements for Regulatory Purposes.

MedicalPositioning, Inc. as manufacturer with sole responsibility declares that the VasScan™ Table X conforms to the requirements of 21 CFR Part 820, CAN/CSA-C22.2 No. 60601-1:14, IEC 60601-1 General Requirements for basic safety and essential performance, IEC 60601-1-2 Electromagnetic disturbances, and ISO 14971 Risk Management in Medical Devices.

## RETURN POLICY

MedicalPositioning accepts returns of unused products within 30 days from the date of delivery, irrespective of any inspection period. Returns are subject to a 30% restocking fee, any applicable duties or taxes and quality inspection. No product may be returned without prior written authorization from MedicalPositioning. The customer is responsible for all shipping charges and any applicable duties or taxes incurred in connection with a return.

WAR093-A

# WARRANTY

## VasScan™ Table X

### 2 YEAR WARRANTY

MedicalPositioning, Inc. warrants and represents that this product will be free from material and workmanship defects during the period indicated above (the "Warranty Period"), commencing with tender of delivery as defined in Uniform Commercial Code § 2-503, irrespective of any inspection period and provided that the product is maintained and operated in accordance with MedicalPositioning's specifications.

If the product fails due to a manufacturing defect, MedicalPositioning will, at its sole expense and discretion, repair the product, authorize repairs to the product, or replace the product. MedicalPositioning will ship any replacement products or parts using standard shipping rates; if the customer requires expedited shipping of replacement products or parts, the customer is responsible for paying shipping costs above standard rates.

Preventative maintenance and repairs due to damage by use, accident, improper care, negligence, or other non-defect related failures are not covered by this warranty. This warranty is void as to products that have been modified without the advance written permission of MedicalPositioning.

OTHER THAN AS SET FORTH HEREIN, MEDICALPOSITIONING MAKES NO WARRANTY WHATSOEVER, EITHER EXPRESSED OR IMPLIED, WITH RESPECT TO THIS PRODUCT. MEDICALPOSITIONING SPECIFICALLY DISCLAIMS THE (a) IMPLIED WARRANTY OF MERCHANTABILITY; (b) WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE; AND (c) WARRANTY AGAINST INFRINGEMENT OF ANY PATENT, COPYRIGHT, TRADEMARK, TRADE SECRET OR OTHER PROPRIETARY RIGHTS OF A THIRD PARTY; WHETHER ARISING BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE.

This warranty is nontransferable. The remedies provided under this warranty are the customer's sole and exclusive remedies. In no event will MedicalPositioning be liable for any direct, indirect, special, incidental, consequential damages or lost profits or income whether based on contract, tort, or any other legal theory.

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