

INSTRUCTION MANUAL

OAKWORKS® Dual Tower Ultrasound Tables



MULTI-SPECIALTY



WOMEN'S IMAGING



ECHOCARDIOGRAPHY



GENERAL



GENERAL WITH FOWLER



GENERAL 3-SECTION



VASCULAR



VASCULAR WITH FOWLER



Manual Part Number
MMMNST0018

English, Printed in USA

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SYMBOL IDENTIFICATION



This symbol, when used in this manual and on product labels, represents a caution warning. Be sure to read and comply with all precautions and warnings.



This symbol, when used in this manual and on product labels, warns against an electrical shock hazard. Be sure to observe and comply with all warnings.



This symbol, when used in this manual or on product labels, indicates a Protective Earth (Ground) Terminal.



This symbol when used in this manual or on product labels, warns that during transport there should be no stacking of containers.



This symbol, when used in this manual or on product labels, indicates that the product should be protected from moisture. The humidity specifications for Transport & Storage are listed on page 31.



This symbol, when used in this manual or on product labels, indicates that information is given regarding the recommended temperature limits during transport and storing.



This symbol, when used in this manual or on product labels, indicates the date of manufacture of the device.



This symbol, when used in this manual or on product labels, indicates alternating current (AC).



This symbol, when used in this manual or on product labels, indicates direct current (DC).

READ AND SAVE THESE INSTRUCTIONS



CAUTION

IMPORTANT SAFETY INSTRUCTIONS

The following Instructions are critical for the Safety of the operator, patient, and any other individuals in the area of this equipment. The equipment operator should carefully read the Safety Instructions on this page.

Foot section is not designed to support entire patient weight. Do not sit on foot section.

Table is not to be used as a gurney or to transport patient from room to room.

When the footboards are in the down position, it is possible for them to hit the ground in low height and high tilt conditions. Operate the table with the footboard up if possible. If not, then check ground clearance to prevent damage to the footboard.

READ AND SAVE THESE INSTRUCTIONS



CAUTION

IMPORTANT SAFETY INSTRUCTIONS CONTINUED

Medical Electrical Equipment needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in this manual.

Portable and mobile RF communications equipment can affect Medical Electrical Equipment.

The use of Accessories, transducers, and cables other than those specified by the manufacturer, may result in increased Emissions or decreased Immunity of the Ultrasound Table.

The Ultrasound Table should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary, this table should be observed to verify normal operation in the configuration in which it will be used.

As with any moving mechanism there are potential pinch points around and underneath the table top. It is the responsibility of the operator of this equipment to insure that bystanders are not in the area below or around this equipment during operation.

Proper operation of this equipment is very important for the safety of the operator, patient, and any other individuals in the area of this equipment. Directions for use of this equipment are described on page 9 through 24. The operator should read these sections carefully.

Weight Limit: (patient and accessories) 600 lbs. Do not exceed.

Be certain that the table is completely lowered without any tilt being present prior to discharging an ambulatory patient. The patient may lose balance and fall.

This table is not suitable for use in the presence of flammable anesthetic mixture with air or oxygen or nitrous oxide.



WARNING

To reduce the risk of burns, fire, electric shock or injury to persons:

1. Unplug this furnishing from the electrical outlet before cleaning.
2. Unplug from outlet before putting on or taking off parts.
3. Close supervision is necessary when this furnishing is used by, or near children, invalids, or disabled persons.
4. Use this furnishing only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.
5. Never operate this furnishing if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Contact Oakworks Customer Service before use.
6. Keep the cord away from heated surfaces.
7. Never drop or insert any object into any opening.
8. Do not use outdoors
9. Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
10. This table is not suitable for use in the presence of flammable anesthetic mixture with air or oxygen or nitrous oxide.



DANGER

For procedures where accidental table motion is a safety concern, the handset control must be locked out.

Risk of electric shock - Connect this furnishing to a properly grounded outlet only. See Grounding Instructions. page 9.

Electrical Shock Hazard. The power supply/control module is located under the table seat. No user serviceable parts are inside. Refer servicing to qualified personnel. Unplug wall plug prior to contact with any cables connected to the power supply.

PRODUCT DESCRIPTION

*General**Shown with Optional Fowler (Backrest)*

PRODUCT SPECS

PATIENT WEIGHT CAPACITY	600 lbs. (272 kg.)
HEIGHT RANGE	22" - 38" (56-97 cm)
WIDTH	27" (69 cm) or 30" (76 cm)
LENGTH & TOPS	1 SECTION - Rectangular top - 72" (183 cm) 2 SECTION - Fowler - 34" (86 cm), Seat - 38" (97 cm) 3 SECTION - Fowler - 34" (86 cm), Seat - 24" (61 cm), Foot - 13" (33 cm)
TRENDELENBURG/REVERSE	± 15°
PADDING	3" (8 cm) multi-layer
UPHOLSTERY	TerraTouch™ - over 20 colors
TABLE WEIGHT	313 lbs. (142kg.)
WARRANTY	3 years parts, 1 year labor
CERTIFICATIONS	FDA listed, cETL approved, CE marked

* Published weight and height may differ slightly due to options chosen, natural material variations and padding density.

For electrical specs, see Specifications Chart

INCLUDED FEATURES

Electric Height Range: 22" - 38"
Width: Specify 30" or 27"
Trendelenburg / Reverse Tilt: ± 15°
Electric Fowler
Locking Casters
Paper Roll Holder
Hand Control
3 or 2 section General - Height, Trendelenburg/Reverse, Fowler
1 section General - Height, Trendelenburg/Reverse

OPTIONS & ACCESSORIES

OPTIONS

Central Base Locking System
Sliding Cardio Panel - Electric or Manual (30"w + Left side only)
Side rails (2)
Adjustable Access/Back Support - Left (3, 2 & 1 section tables only)
Adjustable Access/Back Support-Right (3, 2 & 1 section tables only)
Foot Control (All motions)

ACCESSORIES

Detachable Arm Board
T-Rail Adapter
Quick Lock Head Rest & Pad
Accessory Mounting Plate (Per End - Fowler end only on G3 model)
Table Extender-12" L

Women's Imaging



PRODUCT SPECS

PATIENT WEIGHT CAPACITY	600 lbs. (272 kg.)
HEIGHT RANGE	22" - 38" (56-97 cm)
WIDTH	27" (69 cm) or 30" (76 cm)
LENGTH	72" (183 cm)
TOP	3 SECTION; Fowler - 34" (86 cm) , Seat - 24" (61 cm), Foot - 13" (33 cm)
TRENDELENBURG/REVERSE	± 15°
PADDING	3" (8 cm) multi-layer
UPHOLSTERY	TerraTouch™ - over 20 colors
TABLE WEIGHT	313 lbs. (142kg.)
WARRANTY	3 years parts, 1 year labor
CERTIFICATIONS	FDA listed, cETL approved, CE marked

* Published weight and height may differ slightly due to options chosen, natural material variations and padding density.

For electrical specs, see Specifications Chart

INCLUDED FEATURES

Electric Height Range: 22" - 38"
Width: Specify 30" or 27"
Trendelenburg / Reverse Tilt: ± 15°
Electric Fowler
Manual Adjustable Four Position Leg Section
Hand Control (Height, Trendelenburg/Reverse, Fowler)
Adjustable Access/Back Support - Right
Retractable Foot Rests (Stirrups)
Locking Casters
Paper Roll Holder

OPTIONS & ACCESSORIES

OPTIONS

Central Base Locking System
Side rails (2)
Sliding Cardio Panel - Electric or Manual (30"w + Left side only)
Adjustable Access/Back Support - Left
Foot Control (All motions)

ACCESSORIES

Detachable Arm Board
T-Rail Adapter
Quick Lock Head Rest & Pad
Accessory Mounting Plate (Fowler End Only)
Table Extender-12" L

PRODUCT DESCRIPTION

Multi-Specialty



PRODUCT SPECS

PATIENT WEIGHT CAPACITY	600 lbs. (272 kg.)
HEIGHT RANGE	22" - 38" (56-97 cm)
WIDTH	27" (69 cm) or 30" (76 cm)
LENGTH	72" (183 cm)
TOP	3 SECTION; Fowler - 34" (86 cm) , Seat - 24" (61 cm), Foot - 13" (33 cm)
TRENDELBURG/REVERSE	±15°
PADDING	3" (8 cm) multi-layer
UPHOLSTERY	TerraTouch™ - over 20 colors
TABLE WEIGHT	313 lbs. (142kg.)
WARRANTY	3 years parts, 1 year labor
CERTIFICATIONS	FDA listed, cETL approved, CE marked

* Published weight and height may differ slightly due to options chosen, natural material variations and padding density.

For electrical specs, see Specifications Chart

INCLUDED FEATURES

Electric Height Range: 22" - 38"
Width: Specify 30" or 27"
Trendelenburg / Reverse Tilt: ± 15°
Electric Fowler
Central Base Locking System
Hand Control (Height, Trendelenburg/Reverse, Fowler)
Foot Control (Height, Trendelenburg/Reverse, Fowler)
Manual Adjustable Four Position Leg Section
Adjustable Access/Back Support - Right
Adjustable Access/Back Support - Left
Retractable Foot Rests (Stirrups)
Locking Casters
Paper Roll Holder

OPTIONS & ACCESSORIES

OPTIONS
Side rails (2)
Sliding Cardio Panel - Electric or Manual (30"w + Left side only)

ACCESSORIES
Detachable Arm Board
T-Rail Adapter
Quick Lock Head Rest & Pad
Accessory Mounting Plate (Fowler End Only)
Table Extender-12" L

PRODUCT DESCRIPTION

Echocardiography



hand control



foot control - manual cardio



foot control - electric cardio

adjustable
angle back
support (Right
side is standard)



PRODUCT SPECS

PATIENT WEIGHT CAPACITY	600 lbs. (272 kg.)
HEIGHT RANGE	22" - 38" (56-97 cm)
WIDTH	30" (76 cm)
LENGTH	72" (183 cm)
TOP	2 SECTION; Fowler - 34" (86 cm), Seat - 38" (97 cm)
TRENDELENBURG/REVERSE	± 15°
PADDING	3" (8 cm) multi-layer
UPHOLSTERY	TerraTouch™ - over 20 colors
TABLE WEIGHT	313 lbs. (142kg.)
WARRANTY	3 years parts, 1 year labor
CERTIFICATIONS	FDA listed, cETL approved, CE marked

* Published weight and height may differ slightly due to options chosen, natural material variations and padding density.

For electrical specs, see Specifications Chart

INCLUDED FEATURES

Electric Height Range: 22" - 38"

Width: 30" only

Trendelenburg / Reverse Tilt: ± 15°

Electric Fowler

Hand Control (All motions)

Adjustable Access/Back Support - Right

Sliding Cardio Panel - Left side - Manual

Locking Casters

Paper Roll Holder

OPTIONS & ACCESSORIES

OPTIONS

Central Base Locking System

Side rails (2)

Sliding Cardio Panel - Electric Upgrade (30" w + Left side only)

Foot Control (All motions)

ACCESSORIES

Detachable Arm Board

T-Rail Adapter

Quick Lock Head Rest & Pad

Accessory Mounting Plate (Per End)

Table Extender-12" L

PRODUCT DESCRIPTION

Vascular with Fowler

PRODUCT SPECS

PATIENT WEIGHT CAPACITY	600 lbs. (272 kg.)
HEIGHT RANGE	23" - 40" (58-102 cm)
WIDTH	27" (69 cm) or 30" (76 cm)
LENGTH	72" (183 cm)
TOP	Fowler - 34" (86 cm), Seat - 38" (97 cm)
TRENDELENBURG	15°
REVERSE TRENDELENBURG	up to 70°
PADDING	3" (8 cm) multi-layer
UPHOLSTERY	TerraTouch™ - over 20 colors
TABLE WEIGHT	313 lbs. (142kg.)
WARRANTY	3 years parts, 1 year labor
CERTIFICATIONS	FDA listed, cETL approved, CE marked

* Published weight and height may differ slightly due to options chosen, natural material variations and padding density.

For electrical specs, see Specifications Chart

INCLUDED FEATURES

Electric Height Range: 23" - 40"
 Width: Specify 30" or 27"
 Trendelenburg: 15°
 Reverse Trendelenburg: 40° + Electric Fowler = 70°
 Electric Fowler
 Integrated Foot Board (split, drop away)
 Locking Casters
 Patient Restraint Strap
 Side Rails (2)
 Hand Control (All motions)
 Paper Roll Holder

OPTIONS & ACCESSORIES

OPTIONS

Central Base Locking System
 Sliding Cardio Panel - Manual (30" w + Left side only)
 Adjustable Access/Back Support - Left
 Adjustable Access/Back Support-Right
 Foot Control (All motions)

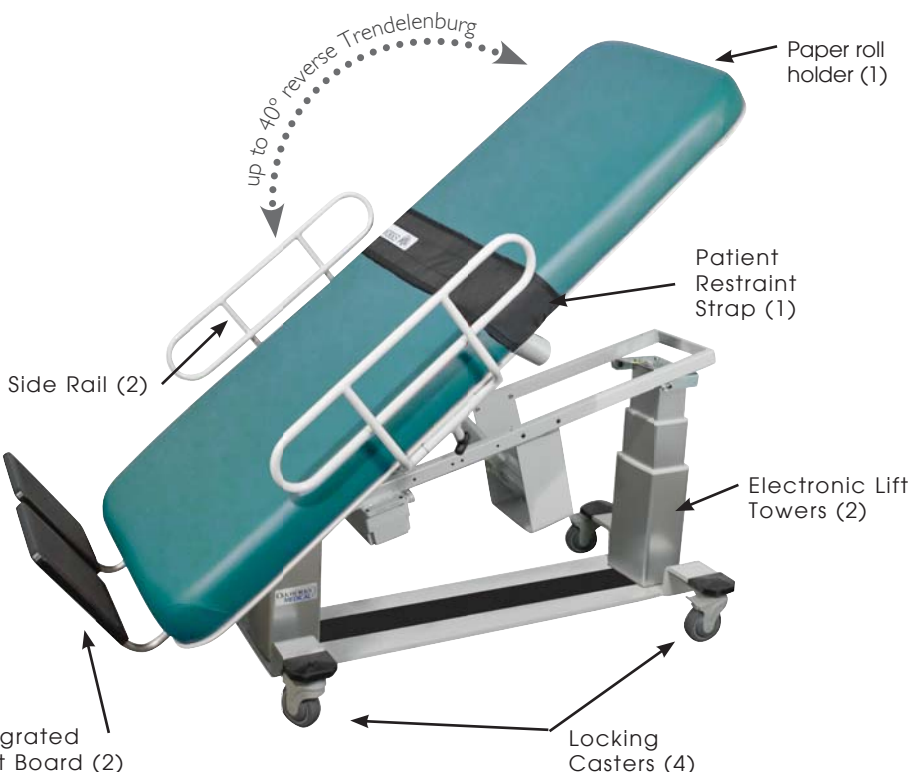
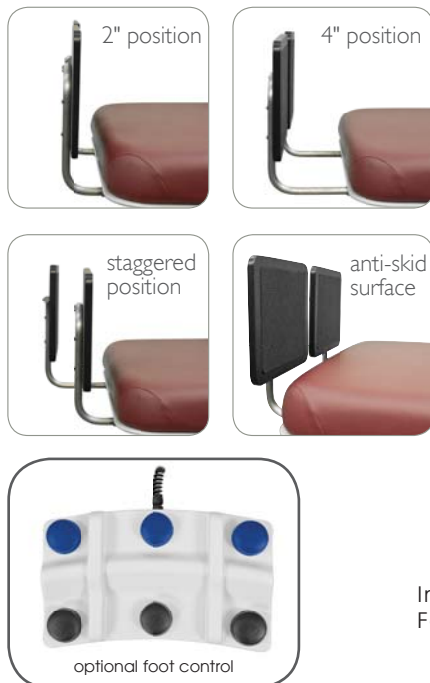
ACCESSORIES

Detachable Arm Board
 T-Rail Adapter
 Quick Lock Head Rest & Pad
 Accessory Mounting Plate (Fowler End Only)
 Table Extender-12" L

PRODUCT DESCRIPTION

Vascular

Integrated Foot Board
2" or 4" position and easy drop away.



PRODUCT SPECS

PATIENT WEIGHT CAPACITY	600 lbs. (272 kg.)
HEIGHT RANGE	23"- 40" (58-102 cm)
WIDTH	27" (69 cm) or 30" (76 cm)
LENGTH & TOP	Rectangular top - 72" (183 cm)
TRENDELENBURG	15°
REVERSE TRENDELENBURG	40°
PADDING	3" (8 cm) multi-layer
UPHOLSTERY	TerraTouch™ - over 20 colors
TABLE WEIGHT	313 lbs. (142kg.)
WARRANTY	3 years parts, 1 year labor
CERTIFICATIONS	FDA listed, cETL approved, CE marked

* Published weight and height may differ slightly due to options chosen, natural material variations and padding density.

For electrical specs, see Specifications Chart

INCLUDED FEATURES

Electric Height Range: 23" - 40"

Width: Specify 30" or 27"

Trendelenburg: 15°

Reverse Trendelenburg: 40°

Integrated Foot Board (split, drop away)

Locking Casters

Patient Restraint Strap

Side Rails (2)

Hand Control (All motions)

Paper Roll Holder

OPTIONS & ACCESSORIES

OPTIONS

Central Base Locking System

Sliding Cardio Panel - Electric or Manual (30"w + Left side only)

Adjustable Access/Back Support - Left

Adjustable Access/Back Support-Right

Foot Control (All motions)

ACCESSORIES

Detachable Arm Board

T-Rail Adapter

Quick Lock Head Rest & Pad

Accessory Mounting Plate (Head End Only)

Table Extender-12" L

The Ultrasound tables come completely assembled and ready to use. Plug the cord into a functioning outlet that is rated for the table.

Arrange the power cord and control cords so that they will not create a tripping hazard and where the controls are located to your liking and are conveniently accessible.

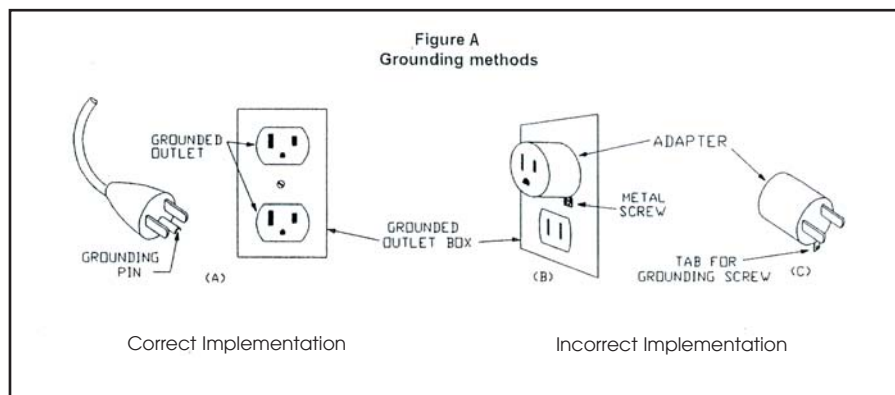
GROUNDING



Be sure to read all cautions, warnings and instructions given in the manual to prevent injury to both operator and client.

This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electrical current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. See U.S. sample below.

This product is manufactured for use on a nominal 120-volt circuit for the United States and a nominal 220-volt circuit for use in Europe. The plug has a grounding pin in a pattern that varies by country as shown in the Product Identification section of this manual. Make sure that the product is connected to an outlet having the same configuration as the plug.



DANGER-Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service man if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

To reduce the risk of electric shock, this furnishing has a polarized plug. This plug will fit in a polarized outlet only one way. Do not change the plug in any way.

Controls:

The Hand Control and optional Foot Control operates all functions of the table with the touch of a button. Follow the directions below to access these functions.

HAND CONTROL OPERATIONS - GENERAL

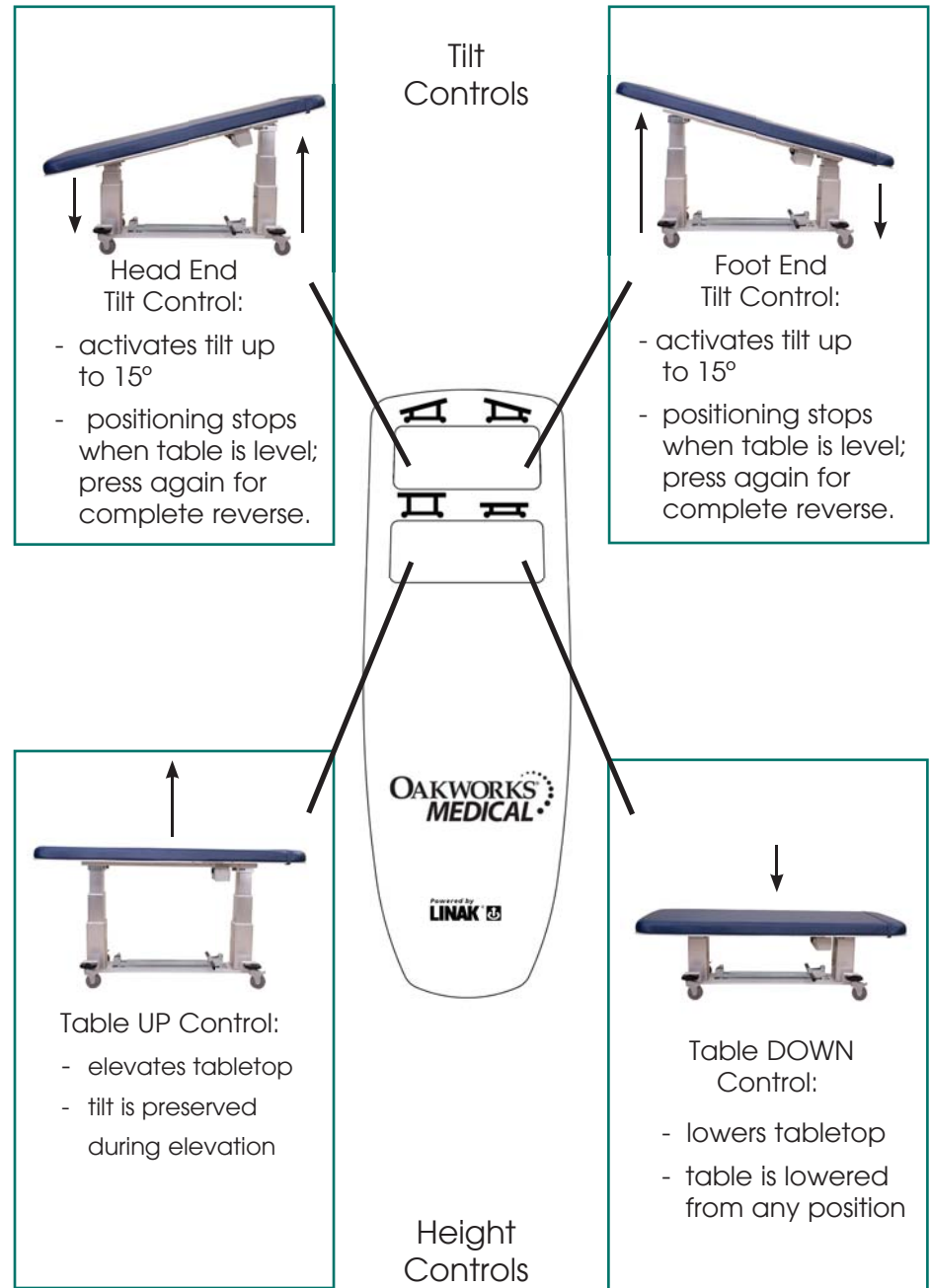


CAUTION

Do not sit on the elevated Back Rest or Leg Rest.

CAUTION

Do not leave clients unattended when table is tilted near its limits.



HAND CONTROL OPERATIONS - MULTI-SPECIALTY, WOMAN'S IMAGING, GENERAL WITH FOWLER



Foot End
Trendelenburg Control:
activates tilt up to 15°
positioning stops when
table is level; press again
for complete reverse.



Head End
Trendelenburg Control:
activates tilt up to 15°
positioning stops when
table is level; press again
for complete reverse.



Table UP Control:
elevates tabletop
tilt is preserved during elevation



Table DOWN
Control:
lowers tabletop
table is lowered from
any position

OAKWORKS
MEDICAL

Powered by
LINAK



Backrest:
activates backrest
up to 75°



Backrest:
activates backrest
down to level position



CAUTION

Do not sit on the elevated
Back Rest or Leg Rest.



CAUTION

Do not leave clients
unattended when table
is tilted near its limits.

MULTI-SPECIALTY AND ECHOCARDIOGRAPHY WITH ELECTRIC SLIDING CARDIO PANEL



CAUTION

Do not leave clients unattended when table is tilted near its limits.



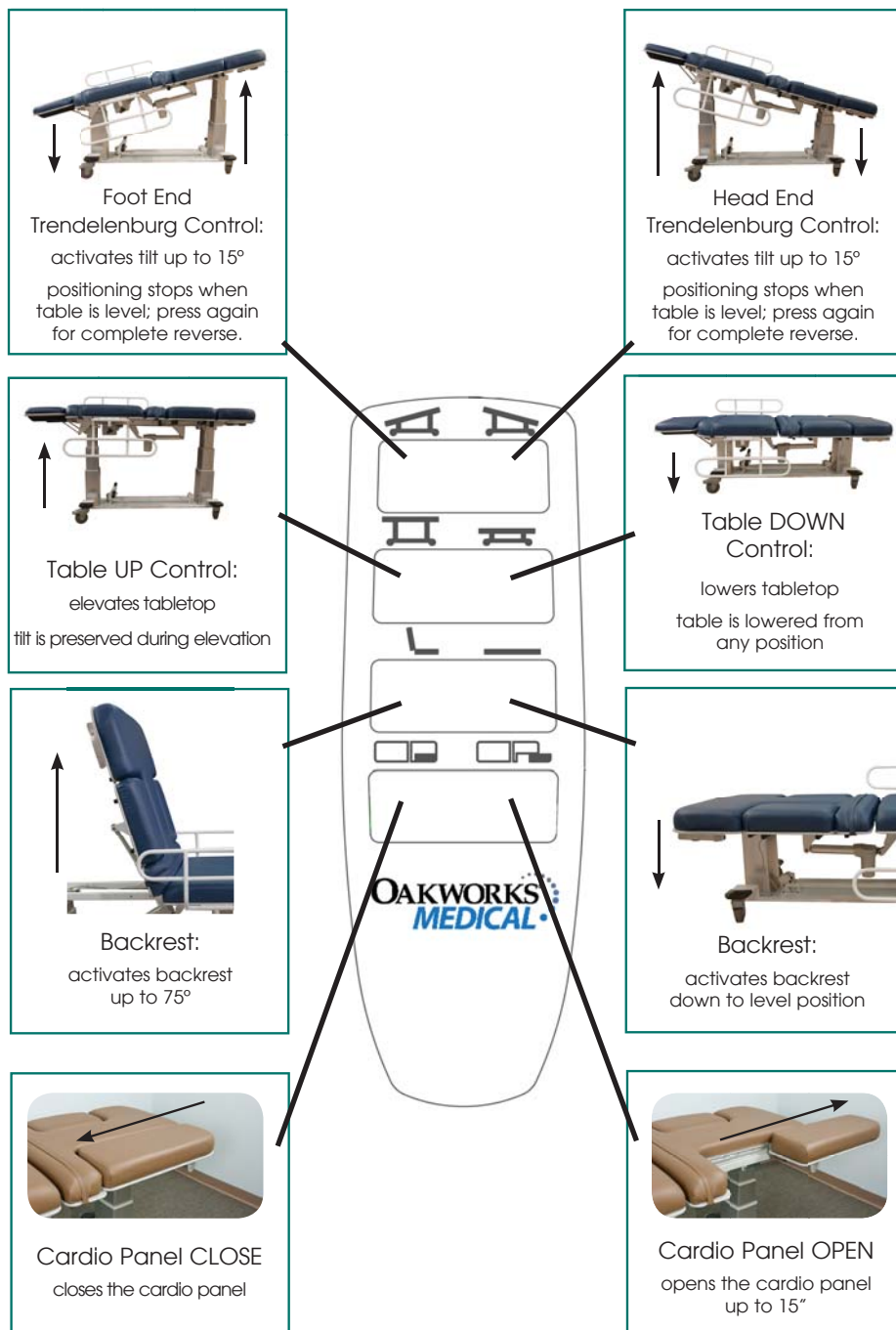
CAUTION

Do not sit on the elevated Back Rest or Leg Rest.



CAUTION

Do not sit on the cardio panel.



VASCULAR TABLE WITH FOWLER



CAUTION

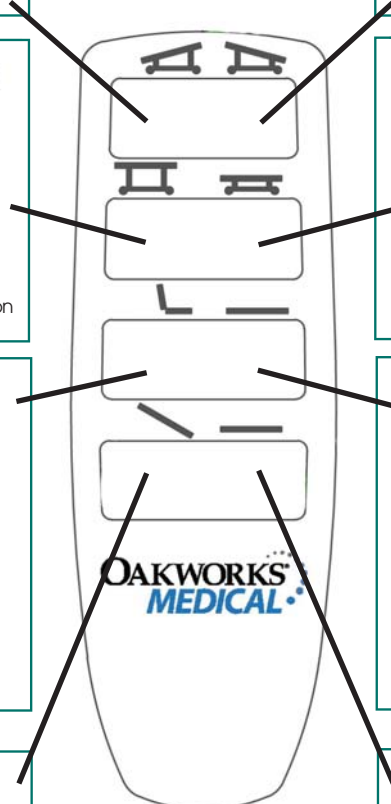
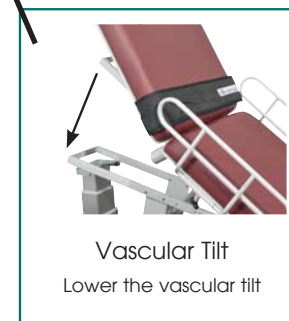
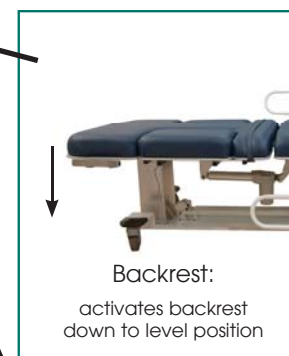
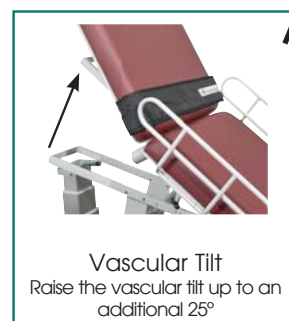
Use restraining strap above 30° tilt

CAUTION

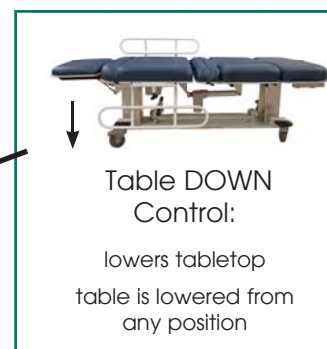
Do not sit on the elevated Back Rest or Leg Rest.

CAUTION

Do not leave clients unattended when table is tilted near its limits.



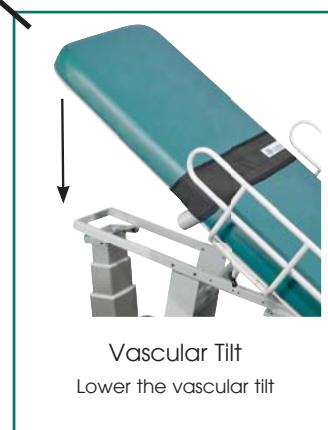
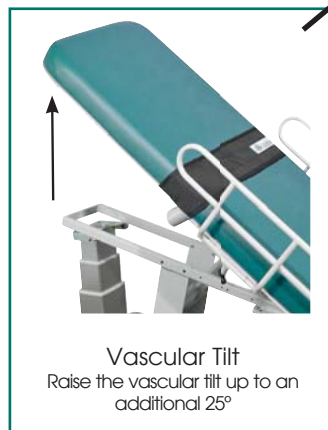
VASCULAR TABLE WITHOUT FOWLER



CAUTION
Use restraining strap
above 30° tilt

CAUTION
Do not sit on the elevated
Back Rest or Leg Rest.

CAUTION
Do not leave clients
unattended when table
is tilted near its limits.



HANDSET SAFETY LOCK OUT (SPECIALTY TABLE ONLY)

On specialty table models, there is a handset lock out located next to the siderail.



WARNING

For procedures where accidental table motion is a safety concern, the handset control must be locked-out.



UN-LOCKED



LOCKED

SIDE RAIL USE



TO LOWER SIDE RAILS

Push side rail in lightly towards the center of the table, then push locking knob down towards the table base. Fold side rails down and under the table.



TO RAISE SIDE RAILS

Grasp side rail and rotate to the raised position. When fully up, the side rail will lock into position. Check that the rail is locked by applying light outward pressure.

RETRACTABLE FOOT REST (STIRRUP) USE



Fully lower the manual adjustable foot rest.



Grasp Stirrup handle & pull out fully.



Fold out to fully open position. Adjust length & width of stirrups as needed.

Repeat for second stirrup. Rotate stirrup arms apart to desired position. To store stirrups, reverse procedure.



CAUTION

Do not sit on Adjustable Angle Back Support.
(Max Capacity 150 lbs.)

ADJUSTABLE ANGLE BACK SUPPORT



TO RAISE BACK SUPPORT

Lift panel to desired angle. Panel will automatically lock into nearest set point. Panel can be raised to a full 90° position.



TO LOWER BACK SUPPORT

Press support bar against plastic plate and hold until back support is lowered to desired position.

CENTRAL BASE LOCKING SYSTEM

The table base can be locked in two ways to prevent caster movement. The easiest way, is to use the central locking system.



TO LOCK

Press down on locking arm with your foot to lock table to the floor.



TO UN-LOCK

Lift up on locking arm with your foot to unlock table from the floor.

LOCKING CASTERS

For permanent locking, the four casters can also be locked into place.

LOCKED



UN-LOCKED



OPERATING THE MANUAL ADJUSTABLE FOUR POSITION LEG SECTION



CAUTION

Do not sit on the elevated Back Rest or Leg Rest.
(Max Capacity 150 lbs.)



TO RAISE THE LEG SECTION

Raise the leg section by pulling it up from the lower center end of the table to the proper position for the procedure. Use a slow or medium speed. If you raise the leg section too fast, the height locking mechanism will not engage. The leg section will lock into the closest height position.



TO LOWER THE LEG SECTION

Raise leg section above horizontal to unlock latch. Lower leg section to fully down position.

For intermediate positions, follow directions "to raise the leg section."

SLIDING CARDIO PANEL



CAUTION

Make sure all parts of the patient's anatomy are clear of the sliding panel when closing.

The Sliding Cardio Panel allows you to adjust the opening of the size you need, up to 15" (38cm).



PRIOR TO MOVING THE CARDIO PANEL

Make sure patient weight is not on the panel.



CAUTION

Do not sit on the cardio panel.

MANUAL CARDIO PANEL

1. Grasp Cardio Panel
2. Lift up slightly
3. Slide panel to desired opening width

ELECTRIC CARDIO PANEL

1. Use hand control or optional foot control to open cardio panel to the desired opening.

INTEGRATED FOOT BOARD



CAUTION

Mount & dismount table with the table in the flat position.

Make sure footboards are securely positioned before patient places weight on them.



TO RAISE FOOTBOARD TO 2" POSITION



With footboard in down position, grasp rod at 90° bend. Push into table until it stops.



Grasp with one hand at 90° bend and rotate foot board 180° with second hand until in the up position.



Grasp with one hand at 90° bend and pull away from table to lock in up position.

Check locking by moving footboard left and right.

Integrated Foot Board adjustment instructions are continued on the next page.

INTEGRATED FOOT BOARD (CONTINUED)

TO MOVE FOOTBOARD FROM 2" TO 4" POSITION



CAUTION

When the footboards are in the down position, it is possible for them to hit the ground in low height or tilt conditions. Operate the table with the footboard up if possible. If not, then check ground clearance to prevent damage to the footboards.



CAUTION

Make sure footboards are securely positioned before patient places weight on them.



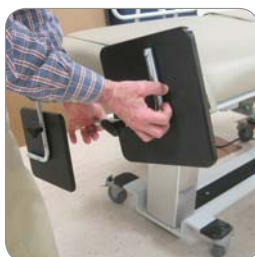
Grasp rod at 90° bend and push into table to unlock.



With second hand, grasp footboard & rotate 180° to down position.



Grasp rod at 90° bend and pull to 4" position.



With second hand, grasp footboard and rotate 180° to up position



Grasp rod at 90° bend and pull away from table to lock in position.

Check locking by moving footboard left and right.

PATIENT RESTRAINT STRAP

FLAT TOP TABLES

Install strap under rail attached to the top.

NOTE: For Vascular tables, the strap is installed under the rail attached to the top, and above the second rail.



CAUTION

Use restraining strap
above 30° tilt



BACKREST TOP TABLES

Install strap under backrest & above all rails.



PAPER HOLDER USE



To load the paper, pull down on two paper holder support arms located on the under side of backrest.

Rotate to 90° position.



Insert rod thru paper roll and place rod into the holes in the support arms.



Pull paper and thread thru two straps across the upholstered top to keep in place.

Note: The paper "hold down" strap is attached with Velcro®. This allows strap tension adjustment if necessary.

TABLE EXTENDER

Lengthens the table allowing for access to the patient's neck for carotid artery exams and thyroid exams.

NOTE: You will need an accessory mounting plate in order to use the table extender.



1. Locate Accessory Mounting Plate.
2. Insert Table Extender tubes into Accessory Mounting Plate



CAUTION

Do not put excessive weight or pressure on table extender.

QUICKLOCK FACE REST

* U.S. Patent #5,177,823

NOTE: You will need an accessory mounting plate in order to use the QuickLock face rest.



Double articulating action provides nearly limitless positioning options with the QuickLock™ Face Rest. The adjustable pad takes pressure off sensitive facial areas while providing superb support. The QuickLock™ Face Rest can be used in both prone and supine positioning and folds out of the way when not in use. Adjustments are made easily by loosening the cam locks, adjusting for height and angle and then locking the cam locks into that position.

To remove the QuickLock™ Face Rest, just pull the frame from the outlets in the end of the table until it comes free. When replacing the QuickLock™ Face Rest, just push the frame back into the outlets being sure to keep the dowels within 3" of the table to ensure a stable connection. For complete use & care instructions see product instructions "QuickLock Face Rest instructions"

IMPORTANT



SAFETY NOTE:

Do *Not* extend the dowels of the Face Rest further than 3" from the table outlets to ensure a stable connection.

Important Safety Note: Maximum Distance from edge of Table = 3"



CAUTION

Do not put excessive weight or pressure on the face rest.



Insert dowels into Accessory Mounting Plate



Loosen Cam Locks & adjust face rest into place.



Tighten Cam Locks.



The Face Rest can be used for either prone or supine positioning.

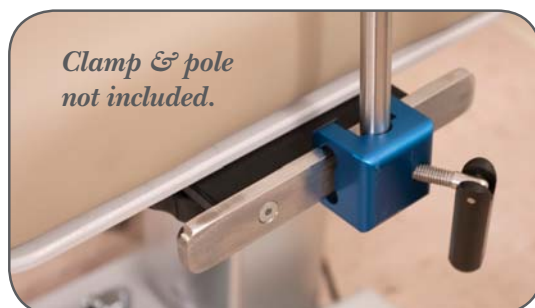


CAUTION

Do not mount T-Rail Adapter to Access/Back Support or Cardio Panels.

T-RAIL ADAPTER

The T-Rail Adapter can be attached at designated locations on the table, allowing the use of any t-rail accessory. Attach or remove using knobs.



DETACHABLE ARM BOARD



CAUTION

Do not put excessive weight or pressure on arm board.

This product can be used on any of Oakworks ultrasound tables with a T-Rail Adapter and can support a variety of positioning configurations.



FOOT CONTROL REPLACEMENT INSTRUCTIONS

Replacement of the foot control may be necessary if the foot control does not actuate the functions of elevation and the hand control is operational. See troubleshooting section for details.

To replace the foot control, follow these steps:

IMPORTANT



SAFETY NOTE:

Always unplug power cord before removing or connecting cables to the control box.

1. Unplug power cord.
2. The foot control is connected to a junction box adjacent to the control module located on the top end of the Ultrasound table.
3. Remove the locking clip on the plug.
4. Pull firmly to remove the plug.
5. Obtain the new foot control and insert the cable plug into the junction box until firmly seated.
6. Replace the locking clip.
7. Reconnect power cord.
8. Attempt to operate the table elevation functions from the foot control.
9. Should this fail to return the Ultrasound table to an operating condition, contact the customer service department.



HAND CONTROL REPLACEMENT INSTRUCTIONS

Replacement of the hand control may be necessary if the hand control does not actuate the functions of elevation and the foot control is operational. See troubleshooting section for details.

To replace the foot control, follow these steps:

1. Unplug power cord.
2. Release the locking clip on control box.
3. Remove the plug from the control box socket by pulling firmly outward.
4. Obtain new hand control.
5. Insert the plug into the socket, applying pressure until it is firmly seated.
6. Replace the locking clip on the control box.
7. Reconnect power cord.
8. Operate hand control and determine if proper hand control function has returned.
9. Should this fail to return the Ultrasound table to an operating condition, contact the customer service department.



TROUBLESHOOTING

IMPORTANT



CAUTION

The table weighs as much as 300 lbs. DO NOT lift or move the unit without using proper safety procedures or equipment. DO NOT turn the table on its side for any reason. To do so could cause damage to the base and will void the warranty. There are no serviceable items that need this action.



Be sure to read all cautions, warnings and instructions given in the manual to prevent injury to both operator and client.

THERMAL LIMITING SWITCH

The Oakworks Ultrasound tables have two lifting columns that raise and lower the table. In addition, the Multi-Specialty & Women's Imaging have one actuator that allow the client to be positioned for both client and therapist comfort. Each of these devices has a duty cycle of approximately 10%, meaning 2 minutes of operation within a 20 minute period. These devices have a thermal limiting switch to prevent overheating. As the thermal limiting switch is engaged, the motion will slowly come to a stop. If this condition occurs, allow the device to rest and it will automatically reset itself after a short period of time.

IF THE TABLE WILL NOT CHANGE POSITION

- Check the outlet to be sure that it has power and that the power cable is plugged in. Try each foot control and hand control to see if any work. If any work, then possibly there is a loose connection or a faulty controller.
- It may be necessary to do a reset of the control box.
 - a. Press second row of 2 buttons simultaneously on handset *(sometimes it takes several attempts to press them "simultaneously")*
 - b. Control box will beep approximately 10 times
 - c. Run all motors in system to fully retracted position (down)
 - d. Re-test table to insure proper functions.
- Unplug the power cable from the wall outlet.
- Make sure that all male and female connectors on the control box are firmly pushed into each other. Even a slight misconnection can cause a possible malfunction. Check the connections on top at the columns.
- Plug the unit back into the wall and check the controls again. If none work, then contact customer service.



QUESTIONS TO ASK BEFORE CALLING CUSTOMER SERVICE

- Is the unit plugged in?
- Does the outlet have power?
- Check all connections of the control box, is everything seated securely?
- Does the height of the table work when you press on the foot pedal?
- Does the top work when you use the hand control?

WARRANTY INFORMATION

View complete warranty details at www.oakworks.com

IMPORTANT

**CAUTION**

Before cleaning with any liquid cleaner be sure to unplug the power cord from the power outlet.

CLEANING**TABLE**

Use only a mild detergent solution or 10% sodium hypochlorite solution on surfaces. Be sure excess liquid does not drip onto any other surfaces or mechanisms. Disinfectants other than recommended above will harm the table's surface. Wipe off excess with a lint-free cloth. Remove residual with a damp (not wet) cloth.

TABLE PAD

Clean your upholstered items when needed using a mild solution of 4:1 diluted non-alcohol cleaner such as Formula 409®, Fantastik®, Green Windex® or some other non-abrasive cleaner. For disinfecting purposes you may use Protex, MadaCide, Accell TB, Virox® (Canada) or a diluted 1/100 bleach solution. Dry the table immediately after cleaning to remove excess cleaning solution. Using citrus based cleaners or other strong cleaners, such as alcohol, acetone, higher concentrations of bleach or other products that contain high concentrations of these substances, can shorten the life of your fabric. Be sure underside of table pad is completely dry prior to placing back onto tabletop.

The operator should ascertain the disinfecting properties of the agent being used prior to cleaning.

INSPECTIONS & MAINTENANCE**RECOMMENDED REGULAR INSPECTIONS** (monthly or local standard)

- Check for damage to the power, handset or footswitch cables.
- Visually inspect components for obvious damage that could cause problems during operation.

RECOMMENDED PERIODIC INSPECTIONS (yearly or local standard)

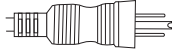

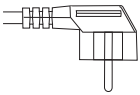

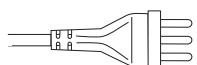

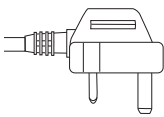

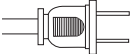

- Check for damage to the power, handset or footswitch cables and all visible wiring.
- Visually inspect components for obvious damage that could cause problems during operation.
- Check all mechanical functions using the foot control. Repeat using the hand control. Check for abnormal noises.
- Replace any missing or illegible labels.
- Check that all fasteners are present and fastened securely.
- Check table grounding.
- Clean unusual buildup of dirt on the table and/or parts of the table not normally cleaned on a regular basis.
- Check for tears or cracks in the tabletop pads.

MAINTENANCE

- The angle indicator (present on some tables) uses a battery for power. This battery will need to be replaced periodically (recommended yearly). To replace the battery, remove the angle indicator from the table (it is held on with Velcro®). Unscrew the back cover, replace battery (#CR2023), replace cover. Reattach angle indicator on table, push "on/off" button on the left, move table top to a horizontal position, then hit "zero" button on the right.

IMPORTANT

POWER LEAD PLUGS

OAKWORKS Part #.:	Voltage (AC)	Power Cord Plug		
5097-11	120v 60 Hz	3 prong grounded hospital grade; North America		
5097-3	220v 50 Hz	Continental Plug; Europe		
5097-4	220v 50 Hz	Swiss plug; Switzerland		
5097-2	220v 50 Hz	British plug; United Kingdom		
N/A This cord is not detachable.	100v 50/60 Hz	2 prong polarized plug; Japan & Korea		

LIST OF PARTS

Part No.	Description		
55848	Locking 4" Caster		
60945	Junction Box		
57916-110	Control Box - U.S.		
57916-220	Control Box - European		
57410	Lifting Column		
61094	Cardo Motion Actuator		
57917	Back Rest and Vascular Motion Actuator		
61286	Paper Roll Holder Rod		
61736-06	Paper Hold Down Strap		
64327	Strap-Vascular Patient Restraint		
64432	4 Pedal Foot Control		
64434	6 Pedal Foot Control		
64431	8 Pedal Foot Control		
57920	4 Button Hand Control		
57920-1	4 Button Hand Control Face Overlay for Flat Top General		
57919	6 Button Hand Control		
57919-1	6 Button Hand Control Face Overlay for Back Rest		
57919-2	6 Button Hand Control Face Overlay for Flat Top Vascular		
61096	8 Button Hand Control		
61096-1	8 Button Hand Control Face Overlay - Cardio		
61096-2	8 Button Hand Control Face Overlay - Vascular Back Rest		
Optional Accessories			
6011-04	Quicklock Fase Rest Platform	2410	Face Rest Pad
18017	T-Rail Adapter	18019	Detachable Arm Board
5456	Table Extender	18018	Accessory Mounting Plate

SPECIFICATIONS

Model No.	All Models
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ELECTRICAL SPECIFICATIONS




Designed For:	North America	Europe	Japan/Korea
Input Service	120 VAC/15amp/60Hz	220 VAC/10amps/50Hz	100 VAC/20amp/50-60-Hz
Current Draw	4.0 amps	2.0 amps	4.8 amps
Maximum Momentary Power Consumption	6.0 amps	3.0 amps	7.2 amps
Voltage Output to Actuators	24 VDC	24 VDC	24 VDC
Electric Shock Protection	Class I Equipment	Class I Equipment	Class I Equipment
Tabletop Applied Part	 Type B Applied Part	 Type B Applied Part	 Type B Applied Part
Table Top IEC 529 Rating	IPX0	IPX0	IPX0
Mode of Operation	Continuous Operation @ 10% Duty Cycle	Continuous Operation @ 10% Duty Cycle	Continuous Operation @ 10% Duty Cycle

TABLE SPECIFICATIONS

	North America	Europe	Japan/Korea
Weight	~ 300 lbs.	~ 136 kg	~ 136 kg
Shipping Weight	~ 380 lbs.	~ 173 kg	~ 173 kg
Lifting Capacity	625 lbs.	283 kg	283 kg

Storage & Transport	 Temperature: -10° C - 60° C Humidity: 60% relative humidity During transport, DO NOT stack containers.  Pressure: no limitations known
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ETL/cETL Listed	Complies with UL 60601-1, CSA-C22.2 No. 601.1-M90, IEC 60601-1
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Guidance and manufacturer's declaration –electromagnetic emissions

The Ultrasound Table is intended for use in the electromagnetic environment specified below. The customer or the user of the Ultrasound Table should assure that it is used in such an environment.

Emissions test	Compliance	Electromagnetic environment – guidance
RF emissions CISPR 11	Group 1	The Ultrasound Table uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class A	The Ultrasound Table is suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations / flicker emissions IEC 61000-3-3	Complies	

Recommended separation distances between portable and mobile RF communications equipment and the Ultrasound Table

The Ultrasound Table is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the Ultrasound Table can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the Ultrasound Table as recommended below, according to the maximum output power of the communications equipment.


Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $d = 1.2\sqrt{P}$	80 MHz to 800 MHz $d = 1.2\sqrt{P}$	800 MHz to 2,5 GHz $d = 2.3\sqrt{P}$
0,01	0.12	0.12	0.23
0,1	0.38	0.37	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

Guidance and manufacturer's declaration –electromagnetic immunity			
The Ultrasound Table is intended for use in the electromagnetic environment specified below. The customer or the user of the Ultrasound Table should assure that it is used in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment – guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.
Electrical fast transient/burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV for input/output lines	±2 kV for power supply lines Not Applicable	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±1 kV differential mode ±2 kV common mode	±1 kV differential mode ±2 kV common mode	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	<5 % U_T (>95 % dip in U_T) for 0,5 cycle 40 % U_T (60 % dip in U_T) for 5 cycles 70 % U_T (30 % dip in U_T) for 25 cycles <5 % U_T (>95 % dip in U_T) for 5 sec	<5 % U_T (>95 % dip in U_T) for 0,5 cycle 40 % U_T (60 % dip in U_T) for 5 cycles 70 % U_T (30 % dip in U_T) for 25 cycles <5 % U_T (>95 % dip in U_T) for 5 sec	Mains power quality should be that of a typical commercial or hospital environment. If the user of the Ultrasound Table requires continued operation during power mains interruptions, it is recommended that the Ultrasound Table be powered from an uninterruptible power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A / m	3 A / m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE U_T is the a.c. mains voltage prior to application of the test level.			

Guidance and manufacturer's declaration –electromagnetic immunity			
The Ultrasound Table is intended for use in the electromagnetic environment specified below. The customer or the user of the Ultrasound Table should assure that it is used in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment – guidance
Conducted RF IEC 61000-4-6 Radiated RF IEC 61000-4-3	3 Vrms 150 kHz to 80 MHz 3 V/m 80 MHz to 2,5 GHz	3Vrms 3V/m	<p>Portable and mobile RF communications equipment should be used no closer to any part of the Ultrasound Table, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.</p> <p>Recommended separation distance</p> $d = 1.2\sqrt{P}$ $d = 1.2\sqrt{P} \quad 80 \text{ MHz to } 800 \text{ MHz}$ $d = 2.3\sqrt{P} \quad 800 \text{ MHz to } 2,5 \text{ GHz}$ <p>where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey,^a should be less than the compliance level in each frequency range.^b</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol:</p> 
NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies. NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.			
^a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Ultrasound Table is used exceeds the applicable RF compliance level above, the Ultrasound Table should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the Ultrasound Table.			
^b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.			

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OAKWORKS® Dual Tower Ultrasound Tables

CONTACT INFORMATION:

OAKWORKS® Inc.

923 East Wellspring Road
New Freedom, PA 17349

Toll Free (USA only): 800-916-4613
Phone: 717-235-6807

FAX: 717-235-6798

www.oakworksmed.com

European Compliance for CE Mark Information

Emergo Europe

Molenstraat 15
The Hague, 2513 BH Netherlands

Tel: +31 70 3458570
Fax: +31 70 3467299

E-mail: info@emergogroup.com

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