



100-4, 100-4T, & ISR

Interventional/Endovascular Imaging Tables

USER MANUAL

L100-2843 Rev H 08/2026



ISR



100-4T & 100-4

Made in the USA



Page 1 of 45

Overview

A 100-4, 100-4T or ISR along with any accessories shall be referred to in this manual as “this equipment.” This manual is not intended as a substitute for certified training for the use of this equipment. The operation of this equipment should be limited to qualified medical personnel who have been trained in the use of medical equipment.

The text of this manual was originally written, approved and published by the manufacturer in English.

This equipment complies with applicable FDA performance standards contained in 21CFR at date of manufacture.

Owner Responsibilities

The owner of this equipment is responsible for ensuring system compatibility and the qualifications of operators and maintenance personnel. Operators must be properly trained and have obtained credentials from the appropriate authorities.

This equipment must be installed in an area provided with the proper electrical power.

The owner of this equipment is responsible for verifying continued compliance with all applicable regulations and standards. Consult local, state, federal and/or international agencies regarding specific requirements and regulations applicable to the use of this equipment.

Image Diagnostics, Inc. certifies only this equipment. Operating practices and safety for this equipment are the sole responsibility of the owner and operators. Image Diagnostics, Inc. assumes no liability or responsibility for personal injury or damage resulting from misuse of this equipment.

Never make modifications or adjustments to this equipment unless directed by a qualified Image Diagnostics representative. This equipment, when properly manufactured, meets US federal regulations and international standards. Unauthorized modifications to this equipment may impact adherence to these standards and make this equipment unsafe to operate.

Customer Support

Image Diagnostics, Inc. may provide on request circuit diagrams, component part lists, calibration instructions, or other information to assist the user's appropriately qualified technical personnel to repair those parts of equipment which are designated by the manufacturer as repairable.



For technical assistance, call IDI at **(978) 829-0009**.

Be prepared to give the complete model and serial number found on the data plate on the table base at the time of contact.

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1. General Procedure Setup

BEFORE YOU BEGIN

- ☒ Read all Safety Warnings in this manual
- ☒ Verify the table has no visible damage
- ☒ Ensure the Emergency Stop Pushbutton is released
- ☒ Make sure the power cord is not damaged
- ☒ Clear the area around the table to make space

STEPS

1. Position the Table

- a. Unlock rear casters
- b. Unlock front casters
- c. Move the table to desired location in the room
- d. Lock both the rear casters and front casters



WARNING!

You must lock both front casters and rear casters to ensure patient safety

2. Connect Power

- a. Plug power cord into properly grounded hospital-grade outlet
- b. Route the cord away from wheels and foot traffic
- c. Verify the Emergency Stop button is disengaged

3. Test the Tabletop Functions Controls

- a. Before placing patient on the table, check all table movements for functionality
- b. If any function does not respond, check the Emergency stop button is disengaged
- c. Verify power to the table
- d. If controllers are wireless, ensure controllers are properly connected to the table

4. Prepare to load the Patient

- a. Completely lock the mobility of the table, both front and rear casters
- b. Ensure all controls are functioning properly
- c. Check that accessories are secured
- d. Table pad is installed
- e. Patient straps are readily available



WARNING!

Always ensure the table is completely locked before loading a patient. Both front casters & rear casters. Failure to do so could cause serious injury to the patient!

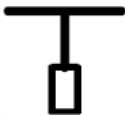
2. Symbol Identification

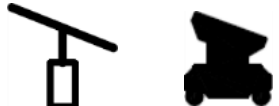
	Attention! Consult accompanying documents. Failure to follow these instructions could cause serious personal injury or damage to the equipment.
	Warning! Information or instructions shown near this symbol must be adhered to prevent a potentially hazardous situation which if not avoided, could result in death, personal injury or damage to the equipment
	Emergency Stop Pushbutton
	Electric Shock hazard present. Information or instructions shown near this symbol must be adhered to in order to prevent a potentially hazardous situation which if not avoided, could result in death, personal injury or damage to the equipment
	Equipotential Terminal of the table which provides for a connection between the table and the equipotential bus bar of the facility.
	Recyclable material
	There is a potential of exposure to harmful x-rays. Be sure to read and comply with all warnings

	Not made with natural rubber latex
	Not for patient transport. The Table should never be moved with a patient on it.
	Protective Ground. This is the common tie point between the AC Electrical Power Cord Ground, Frame Ground and Controller Ground.
	Patients must be loaded from the side of the table. There is possible tilting or instability if the patient is loaded onto the pedestal end of the table or the imaging end of the table.
	European Authorized Representative
	Table Model number
	Serial number of table
	Indication of European conformity for sale in the European Economic Area (EEA)
	Item complying to Type B applied part per IEC 60601-1.

	Date of manufacture of the device
	Location where device was manufactured
	Alternating Current (AC)
	CPR (Cardiopulmonary resuscitation)
	This symbol denotes that the product contains electronic devices and cannot be disposed of with household waste. This product cannot be included in municipal waste and must be disposed or recycled according to local waste regulations.

Table Movement Icons

 	Elevate tabletop
 	Lower tabletop
 	Tilt tabletop's imaging end up (Trendelenburg up)

	Tilt tabletop's imaging end down (Trendelenburg down)
	Roll tabletop isometrically clockwise
	Roll tabletop isometrically counterclockwise

3. Intended Use & Essential Performance

The ISR, 100-4T and 100-4 mobile imaging tables are used by the medical industry for vascular surgery, endovascular procedures and interventional radiology. They are designed to be used in a professional healthcare environment in conjunction with “C-Arm” style radiological imaging equipment. The tables have backup battery power which should only be used temporarily for necessary table function if the external power supply is disrupted.

Functional capabilities and operation of the equipment described herein can be employed in a variety of diagnostic, therapeutic, and surgical applications. The device is designed for use as either a fluoroscopic or radiographic table. Tabletop motion for each table is as follows:

ISR	100-4T	100-4
• Elevation • Lateral Travel • Longitudinal Travel • Trendelenburg Tilt • Iso-Centric Roll	• Elevation • Lateral Travel • Longitudinal Travel • Trendelenburg Tilt	• Elevation • Lateral Travel • Longitudinal Travel

These tables are intended for all patients that do not weigh more than the maximum allowable weight as labeled on the table itself. These tables are also reusable devices. The conditions for reuse are that they function properly based on the criteria stated in **Section 14.1 (page 35)** of this manual and that it has been cleaned per [Section 13](#) of this manual along with the protocols of the facility the device is being used in.

Personnel intended to operate these tables are physicians, clinicians, nurses and assistants that are present for the procedures performed on these tables. Those individuals must be qualified and trained to use the tables according to the policies and procedures of the facility the table is being used in.

4. Safety Instructions



Review the SAFETY HAZARDS and OPERATING INSTRUCTIONS sections before operating the table.

- ☒ All persons using this equipment must fully understand its operation instructions, emergency procedures, capabilities including total range of motion and be aware of all potential safety hazards.
- ☒ This manual should be accessible to all personnel installing, operating, or servicing this equipment.
- ☒ Only a qualified technician can install or service this equipment, unauthorized service will void warranty.



Failure to follow safety precautions may result in serious injury to a patient or user or cause damage to the equipment



Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

Comments and questions regarding safety should be addressed to:

Customer Support



Image Diagnostics, Inc.
310 Authority Drive
Fitchburg, MA 01420 USA



Or call IDI at (978) 829-0009.

5. Safety Hazards

Safety Hazard Level	Potential Consequences with Use
 DANGER	Indicates an <i>imminently</i> hazardous situation which, if not avoided, will result in death or serious injury
 WARNING	Indicates a <i>potentially</i> hazardous situation which, if not avoided, could result in death or serious injury.
 CAUTION	Indicates a <i>potentially</i> hazardous situation which, if not avoided, may result in minor or moderate injury or equipment damage.

Safety Hazards with this equipment

	WARNING! This equipment has not been tested for use with high frequency surgical equipment, cardiac defibrillators, or cardiac defibrillator monitors. Use with such equipment may cause patient burns, explosion hazards, or electrical shock to the patient or operator.
	WARNING! To avoid electric shock, plug the electrical power cord into a properly grounded hospital-grade outlet!
	WARNING! This equipment may be used in conjunction with X-ray equipment. This constitutes potential exposure to harmful X-rays for both the patient and operator. Be sure to use proper radiation shielding.

	WARNING! If an anti-static path is required, use this equipment on an anti-static floor. Use only the patient mattress pad supplied with the table.
	CAUTION Do not leave the patient unattended on table.
	WARNING! Safely position and secure the patient onto table. Do not exceed table weight capacity of 600 pounds (272kg).
	WARNING! Use of table extensions is only allowed with decreased table load. Table weight capacity reduced to 500 pounds (227 kg) when using the table extension.
	CAUTION When lying on the table, Patient must be restrained at all times. The restraining straps are not intended to restrain an uncontrollable patient.
	CAUTION The carbon fiber top is subject to damage or possible damage from impact from other objects. Take caution when moving the table. Or using power driven diagnostic equipment around the table. Collisions with nearby equipment can cause equipment damage or patient harm. Regular inspection of the tabletop is necessary for the safety of the patient and operator.
	CAUTION Do not use table for patient transport.
	CAUTION During operation of the table, if any unusual sounds and/or erratic movement is observed, immediately discontinue use of the table.
	CAUTION Do not place or store any containers or large items underneath the tabletop. As the tabletop is descending, contact with an obstruction may cause permanent damage to the table.
	CAUTION Applying more than 30 pounds of force to the side of the tabletop can overcome the braking system, causing the table to move.

6. EMC (Electromagnetic Compatibility) Statement

Portable and Mobile RF Communications Equipment can affect Medical Electrical Equipment including this equipment. Use special precautions regarding EMC when these tables are installed, operated, and maintained. EMC operating parameters for these tables are in the **Specifications** section of this manual (**Section 18**).

The use of accessories, transducers and/or cables other than those specified, except for those sold by the manufacturer as replacement parts for internal components, may result in increased emissions or decreased immunity of the equipment or system.

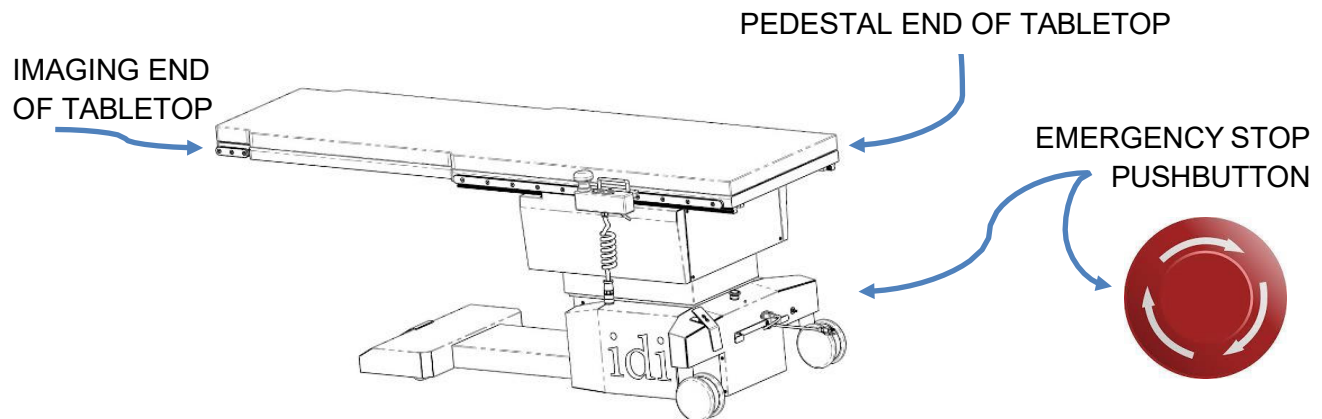
 WARNING:	This equipment should not be used adjacent to or stacked with other medical electrical equipment and if adjacent or stacked use is necessary, the equipment or system should be observed to verify normal operation in the configuration in which it will be used.
 WARNING:	Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of this equipment, including cables connected to the table. Otherwise, degradation of the performance of this equipment could result.

NOTE: The emissions characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11 class A). If it is used in a residential environment (for which CISPR 11 class B is normally required) this equipment might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as relocating or re-orienting the equipment.

If this equipment receives excessive electromagnetic interference, motion controls for the table may be slow or unresponsive to user inputs. In this event:

1. Verify the cause by turning nearby equipment off and retest motions. (Note: All motions will be slowed when operating on battery backup as compared to full AC power)
2. If this problem is not resolved, immediately remove power to the equipment by engaging the Emergency Stop Pushbutton. As shown in **Section 7** of this manual.
3. Notify IDI customer service using the contact information in **Section 19** (*Warranty and Contact Information*) of this manual.

7. Emergency Stop Pushbutton



- The red Emergency Stop Pushbutton is located in the center of the base cover on the back of the table.
- Pressing this button until it is fully engaged will stop all motorized movement by cutting off power from all system components.
- **RESET:** Restore the electrical functions by turning the button a quarter turn in the direction of the arrows.



8. Setup Instructions

8.1. Set up

- Hand-operated controls for the movement of the tabletop are included with the table. The operator should become familiar with the controls before procedures and using them.
- External electrical power connection and disconnection are through the AC power cord and outlet. The table will operate on 110 V~, 230 V~ or on internal battery backup power (**see next section**). When external electrical power is applied to the actuators which control the movement of the tabletop.
- The electrical power outlet used should be visible and accessible to the user. The electrical power cord should be routed where it will not be subject to damage or be a tripping hazard.



WARNING!

To avoid electric shock, plug the electrical power cord into a properly grounded hospital grade outlet!

- Check that the ground pin on the electrical cord plug is in good condition before each time it is plugged in.
- When the table is not connected to AC power, the table will automatically switch to backup battery mode. The table should only be used under backup battery power temporarily for necessary function if the external power supply is lost.
- It is recommended that AC power be applied for a minimum of 8 hours every day to keep a proper charge on the batteries and achieve maximum battery life. Batteries are constantly being charged during normal use when connected to AC power.

8.2. Battery Backup & Power

When the table is not in use and not connected to AC power, the Emergency Stop Pushbutton must be fully engaged to prevent the batteries from being discharged and to safely power off the equipment.



- This equipment's tabletop braking functions utilize a passive magnetic brake; it remains engaged/energized in the event of a complete loss of electrical power. Power is necessary to release the brakes.
- As the braking system utilizes permanent magnetic brakes, braking force is limited by the magnet strength. Use caution when applying pressure to the side of the table as the brakes can be overcome if more than 30 pounds (13 kg) of force is applied.

9. Instructions for Table Operation

9.1. Caster Locking & Unlocking Settings

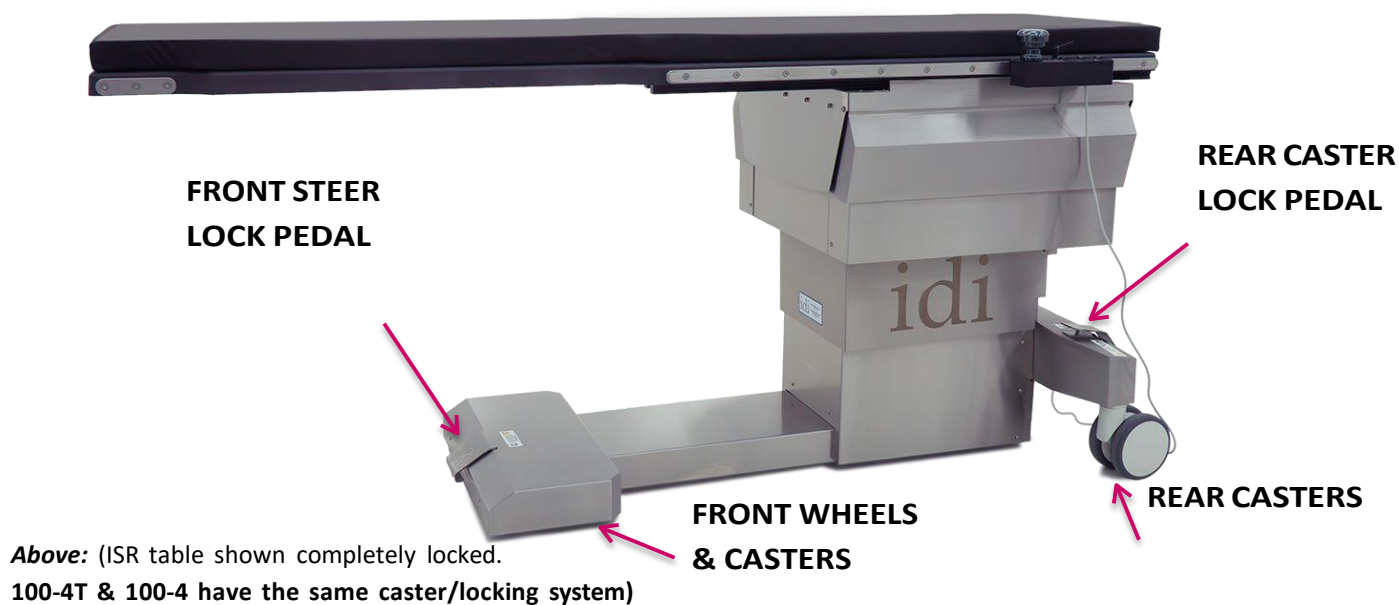
The rear casters can be configured in a locking setting which totally locks all motion of the rear casters and an unlocked setting which allows the rear casters to swivel freely. The front wheels can be set to roll unidirectionally forwards and backwards or swivel freely.



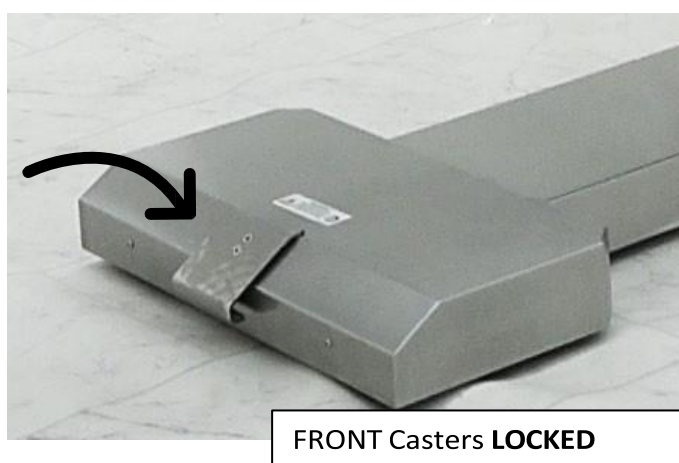
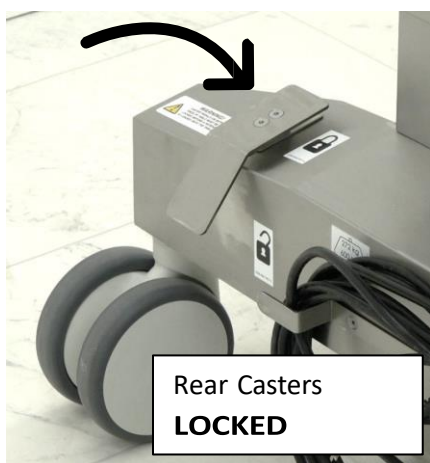
WARNING!

Before loading a patient onto the table, always set the base caster pedals in BOTH the front AND the rear to their "LOCK" positions.

Failure to do so could result in patient death or serious injury.



- The Table is in the “**LOCK**” Rear Caster Lock Pedal is pushed forward on the **TOP** half until it is fully engaged. And when the Front Steer Lock Pedal is pushed **DOWN**. The Rear Casters will be totally locked, and the table will not roll in any direction.



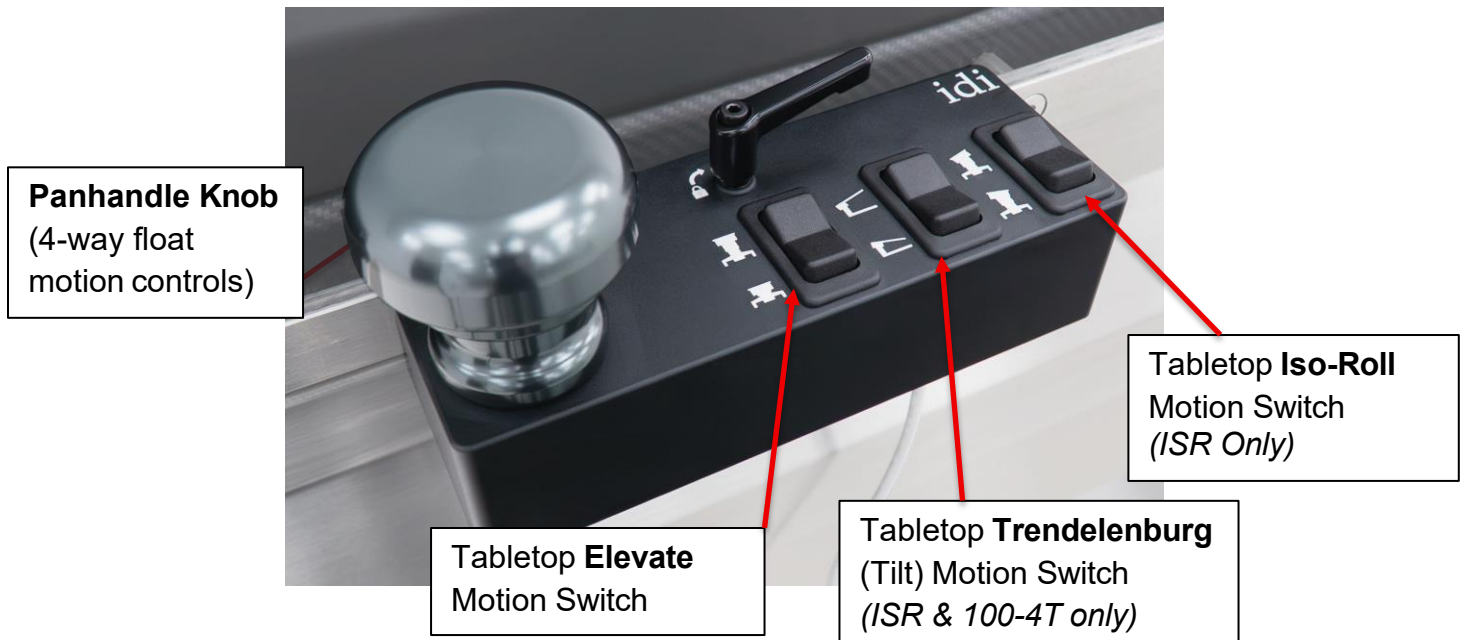
Always lock all casters in this way before loading the patient onto the table.

- The table is in its “**UNLOCK**” setting when the Rear Caster Lock Pedal is pushed down on the **BOTTOM** half until it is fully engaged and when the Front Steer Lock Pedal is pulled **UP**. Pulling up the front steer lock pedal allows for moving the table freely around the room. If the rear casters are unlocked, but the front casters are locked, the table will move forward in a straight path.



9.2. Tabletop Motion Panning Controls

All ISR, 100-4 & 100-4T tables are equipped with tabletop motion control boxes that allow users to move the tabletop in many different directions.



	Continually pressing down on the Rocker Switch to the right of this symbol will raise the Tabletop vertically
	Continually pressing down on the Rocker Switch to the right of this symbol will lower the Tabletop vertically.
	Continually pressing down on the Rocker Switch to the right of this symbol will tilt up the imaging end of the Tabletop in a Trendelenburg direction. When the Tabletop reaches a level position, motion will stop for 1 second. When the Rocker Switch is pressed down if the Tabletop is already in a level position, it will take 1 second for motion to begin. <i>(ISR & 100-4T only)</i>
	Continually pressing down on the Rocker Switch to the right of this symbol will tilt down the imaging end of the Tabletop in a Trendelenburg direction. When the Tabletop reaches a level position, motion will stop for 1 second. When the Rocker Switch is pressed down if the Tabletop is already in a level position, it will take 1 second for motion to begin. <i>(ISR & 100-4T only)</i>
	Continually pressing down on the Rocker Switch to the right of this symbol will roll the Tabletop in a clockwise direction if looking down the length of the Table from the pedestal end. When the Tabletop reaches a level position, motion will stop. The Rocker Switch will need to be released and pressed down again for the motion to begin. <i>(ISR only)</i>
	Continually pressing down on the Rocker Switch to the right of this symbol will roll the Tabletop in a counter-clockwise direction if looking down the length of the Table from the pedestal end. When the Tabletop reaches a level position, motion will stop. The Rocker Switch will need to be released and pressed down again for the motion to begin again. <i>(ISR only)</i>

Using Latitudinal/Longitudinal Float

Lifting the lip under the mushroom-shaped Panhandle allows for all lateral and longitudinal motion of the Tabletop. To operate: wrap your fingers underneath the knob and lift gently. While keeping the lip lifted, move laterally or longitudinally to float the tabletop. Once the desired position is reached, gently release the knob to lock it securely in place.



Repositioning the Panning Motion Control

The Panning Hand control secures to either side of the table. To reposition the panning motion control, turn the locking knob counterclockwise and slide it off the rail. Once the desired position is reached, turn the locking knob/lever clockwise to lock. You can also gently lift the locking knob itself and move it out of the way so it will not interfere with the table controls.



IMPORTANT: Always verify that the Panning Motion Control Unit is securely clamped to the Accessory Rail before operating the Tabletop.

Turn counterclockwise to loosen. Turn clockwise to tighten



CAUTION!

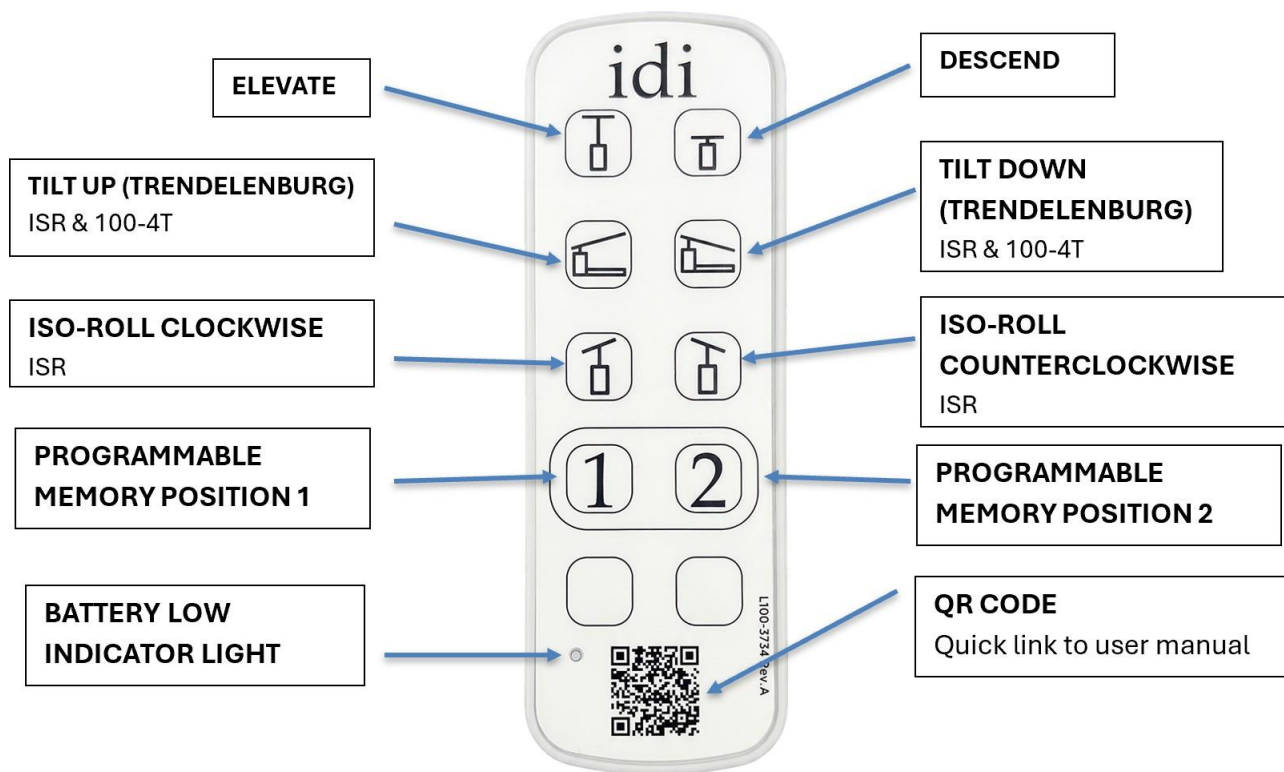
When relocating panning hand motion control unit, leave enough slack in the attached cord to allow tabletop to move in its complete range of motion.

9.3. Tabletop Motion Handset Controls



WARNING!

The Handset Control is always active when connected to a powered-up table.



Wireless Handsets for:

ISR: #A100-3734

100-4T: #A100-3735

100-4: #A100-3736

Note: The 100-4T & 100-4 wireless handsets are similar the ISR handset (*pictured above*). Their icons differ according to the model table you have.

To adjust the tabletop using the hand control, **you must press and hold each button until it reaches your desired positioning**. Once you release the button, the Tabletop motions will stop.

When using the Trendelenburg functions, tabletop motion will stop at the level position for about one second. It will take one second before the motion of the tabletop begins.

When using the Iso Roll function buttons (ISR only), tabletop motion will stop at the level position. To continue moving the table, release the Iso-Roll button and then press it again.

9.3.1. Programming Memory Positions

To save a position on either save key:

1. Verify the table is on and the E-Stop is disengaged.
2. Adjust the table to the desired position.
3. Press both the save position keys (Save position 1 and Save position 2) for about 5 seconds.
4. Release both keys at the same time.
5. Quickly single-press whichever button you wish to save to. (Save position 1 or Save position 2)

To Test: Adjust the table to a different position. Then, press and hold the programmed save position key. The table should start to move into your desired save position. Continue to press and hold the programmed save position key until the table stops moving. If the table does not move to the position you just saved, repeat the process above. For further assistance, call IDI helpdesk.



9.3.2. Tabletop Sleep States

State Change	Timing from Standby	Wake from State
ON to STANDBY	120 sec.	Wireless Keypress
STANDBY to SLEEP (A)	4 hr	Wireless Keypress
SLEEP to OFF (B)	1.5 day	Power Cycle Table - Unplug then plug back in OR engage E-Stop, then disengage again - Then a wired keypress

All 100-4, 100-4T & ISR tables are equipped with automatic sleep state settings to assist in minimizing system power consumption.

If overall battery level reaches low level (<10%) in any state, the system will go directly to “OFF” immediately.

9.3.3. Low Battery Indication

Wireless hand control low battery indicator LED will flash when the Bluetooth controller battery is low. The indicator will begin to flash when a key is pressed and up to two seconds after a key is released. It is recommended to change the battery prior to next use.

When the controller has approximately 10% battery remaining, any input on the controller with low battery will emit an audible double beep signal from the control box inside the table base. When the tone is audible, it is recommended to change the controller battery prior to next use.

The Wireless Bluetooth hand control utilizes one CR2032 3V coin cell battery. IDI recommends only using a battery with a no-leak guarantee or equivalent.

Alternatively, download the OneConnect App: the app will state “accessory low battery” when controller battery is low. Scan the QR code or click the link to get the OneConnect App:



< OneConnect for **Apple (iOS)**:
<https://apps.apple.com/us/app/oneconnect-by-linak/id1548266481>



< OneConnect for **Android**:
https://play.google.com/store/apps/details?id=com.linak.oneconnect&pcampaignid=web_share

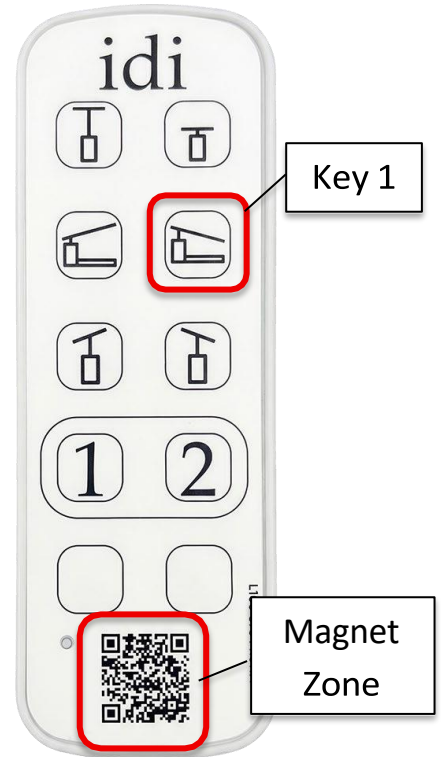


OneConnect™ by LINAK®

9.3.4. Pairing the Bluetooth Hand Controller

To pair the Bluetooth Hand Control to the table:

1. Verify the table is powered on and its E-Stop is disengaged
2. Move within two meters (within 6.5 feet) of the table.
3. Enter direct pairing mode: activate key 1 (Trendelenburg Down) and within about 3 seconds, press the magnet to the zone highlighted below.
4. You will hear a slow audible beeping tone to signify the table is in direct pairing mode.
5. Remove the magnet from the area and release Key 1 (Trendelenburg down). Then, approach the table. As you approach you should hear the beeping tone speed up.
6. Once the beeping tone speeds up, single press key 1 (Trendelenburg down)
7. If pairing is successful, you will hear a single confirmation beep.



Note: If you have the 100-4 table, the process is the same. Use the same Key 1 button, it will just not have the “Trend” icon on it.

If unsuccessful, repeat the process.

For detailed hand controller (model number HB200) information visit Page 108: [Linak User Manual for HB200](#)

9.3.5. Resetting the Table with Hand Controller

In rare cases, the table control system may need to be reset. This is usually indicated by a beep and lack of movement whenever a key on the Hand Controller is pressed. (Note: please verify the hand controller battery is not low, as the beeping could be from a low battery)

Perform a reset to regain all tabletop movement controls:

1. Simultaneously press and hold both buttons in the second row **until four fast tones are heard**. Once the tone ceases, release both buttons at the same time.



2. Next, move up one row. Then press and hold both buttons on the top row, **until four fast audible tones are heard**.
3. When the four fast audible tones are heard, release both buttons at the same time.
4. You should now hear a slow repetitive tone to indicate the homing procedure has initiated.
5. While the slow tone is audible, **lower the table to its limit.** 
6. Then, **Trendelenburg down the tabletop to its limit.** 
7. If you have the ISR, **roll the Iso Roll to its limit.** 

With all actuators at their minimum limit, **wait for the beeping to cease completely.**

Then, test the table movements for full functionality.

1. Bring the table back to its neutral/leveled positioning.
2. To test for complete functionality: Using the panning control, pan the tabletop in a figure-8 motion. Table should pan smoothly.

If movements are not restored, repeat the process. For further assistance, call the IDI helpdesk.



Phone: (978) 829-0009

Monday – Friday: 8am-5pm EST (Eastern Standard Time)

10. Patient Preparation

10.1. Preparation For Patient Use

New installation: This equipment will need to be properly cleaned before patient use as it will inevitably meet contamination during shipping, unpacking, storage, and installation.

After initial use, this equipment will need to be thoroughly cleaned between patient cases, as it will inevitably meet contaminants during procedures. Refer to [Section 13](#) of this manual for cleaning instructions and cleaning substances.

Drape tabletop to prevent fluids from entering the device.

10.2. Patient Loading



CAUTION

If the tabletop is struck hard enough, it may slide to reduce damage to the carbon fiber top.



WARNING!

Before loading a patient, always lock BOTH the front AND the rear casters. **ALWAYS completely lock table before loading a patient.** Failure to lock the table completely could result in death or serious injury.



Patients **must be loaded from the side of table**. There is a possibility of tilting, instability and/or tipping if patient is loaded onto the pedestal end or the imaging end of the table.

To reduce potential motion during patient transfers for larger patients, move the tabletop laterally (side to side) in the direction the patient will be moving until the limit of the tabletop travel is reached, release the Panhandle Tabletop Float brake. To reengage the brake, and then transfer the patient onto the Table.

Preparation of Performing CPR



Return the table to level position, retract tabletop to minimize overhang, and lower table tabletop position to a comfortable height before performing CPR on a patient.

11. Standard Accessories



11.1. Patient Mattress Pad for Tabletop - #X100-3210

The Patient Mattress Pad is held in place by hook and loop fasteners. To remove the pad, simply pull pad up gently to remove. Replacement pads are supplied with new self-adhesive fasteners installed and new adhesive backed mating pieces for the tabletop. Peel off old fasteners from tabletop and install new pad.



Standard 2" Tabletop Pad - Part Number: #X100-3210

Optional 2" x 24" x 84" Tabletop Pad - Part Number: #X100-3310

Note: Pad complies with California Technical Bulletin 117.

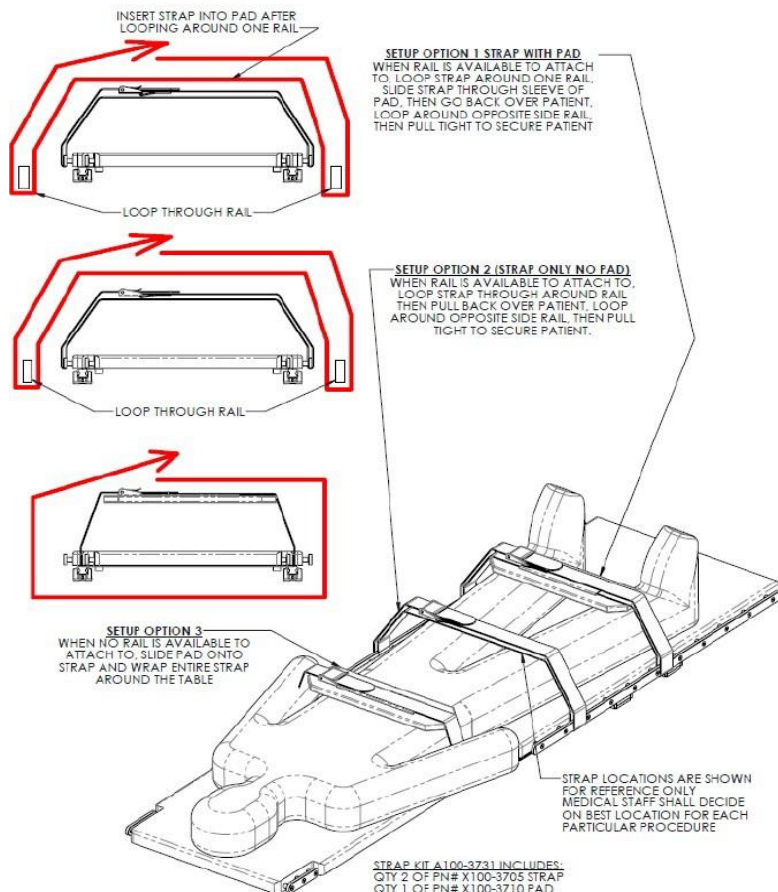
11.2. Patient Straps - #A100-3731



WARNING!

Strap configuration is recommended; however patient restraint is a case-by-case condition. Please refer to facility's policy on restraining patient.

Standard Patient Restraint Straps (for tapered tabletop): (Qty 2) Part Number: #A100-3731



Straps for 100-4T & 100-4 GI rectangular tabletop: Strap kit for the optional 24" x 84" rectangular tabletop is #A100-3883 (1 strap & 1 pad).

12. Add on Accessories

12.1. Clamp on Accessory Rail - #A100-1007



Fits on left or right side of table.

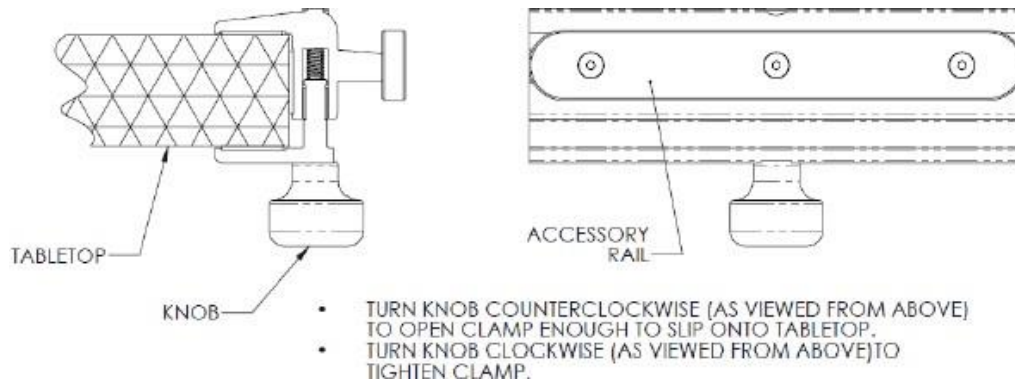
6" length.

(European version with 10mm x 25mm metric rail is available)

To attach:

- Turn knob counterclockwise to open clamp enough to slip onto tabletop.
- Slide on desired location
- Turn knob clockwise to tighten clamp.

Note: Ensure it is securely fastened by tightening all the way.



12.2. Vascular Access Arm Board (VAB) - #A100-2244



One-piece, extra wide carbon fiber arm board for vascular access and fistula application procedures.

Includes arm board, pad, and restraint strap.

12.3. Quick Release Rail Mount Arm Board - #A310-056

(Requires Clamp-On Accessory Rail - #A100-1007)



Radiolucent materials.

Includes arm board, pad and restraint straps.
(version for 10mm x 25mm metric rail size is available)

Note: This accessory mounts to the tabletop side accessory rail. When used on a tabletop without integrated table surgical rails, Clamp-On Accessory Rail (#A100-1007) is required.

12.4. Arm Board, Shoulder Mount - #A310-059



Carbon fiber base.

Mounts to table by sliding under Patient Mattress Pad.

Includes padded arm board and restraint strap.

12.5. Tabletop Catheter Tray Extensions

12.5.1. Catheter Tray - Pedestal End - #A100-1769

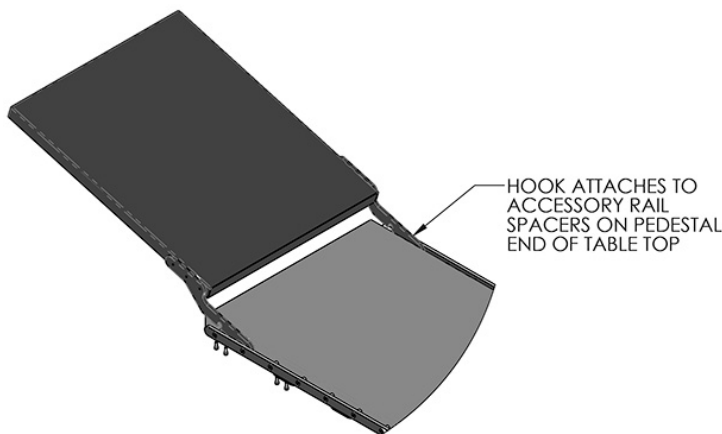


Catheter Tray Tabletop Extension –

Mounts to pedestal end of table only.

24.25" wide, 30" long.

Maximum weight load: 20 lbs (9 kgs)



To attach Catheter Tray Extensions:

At the pedestal end of the table, hold the extension at a downward angle and align the notches with the second to last table rail rungs. Lower the extension so the metal hooks engage the second-to-last rungs. Once the extension is latched onto the rail rungs, straighten it and pull it toward you down firmly.

12.5.2. Catheter Tray - Imaging End - #A100-2322



Mounts to imaging end of the table only.

Requires tabletop with mini accessory rails on the imaging end of tabletop

20.75" wide, 27" long

Maximum weight load: 20 lbs (9 kgs)

To attach, the process is similar to the above instructions. This extension version attaches to the imaging/head end.

12.6. Articulating Headrest Extension - #A100-2317



WARNING!

Use of table headrest extensions is only allowed with decreased table load. Table weight capacity reduced to 500 lbs (227 kg) when using table extensions.

Carbon fiber base extends Tabletop length 12".

Mounts to imaging end of Table onto 5" Mini-Accessory Rails. Includes Pad.

(version for 10mm x 25mm metric rail size is available).

To install: Slide onto the Mini-Accessory Rails on the end of the Tabletop until the unit clicks into place.

Additional positioning is possible by manually pivoting the extension up or down to angle the patient's head.

To remove: depress the release levers located on the underside of the extension and pull away from Tabletop as shown on the left.



12.7. Peripheral Headrest Extension - #A100-2486



Carbon fiber base.

Extends Tabletop 12".

Mounts to imaging end of Table onto 5" Mini-Accessory Rails.

Includes Pad.



WARNING!

Use of table extensions is only allowed with decreased table load. Table weight capacity reduced to 500 lbs (227 kg) when using table extension.

12.8. Articulating Radiation Shield - #A610-051



Articulating with removable upper panel.

Panels are lead-free.

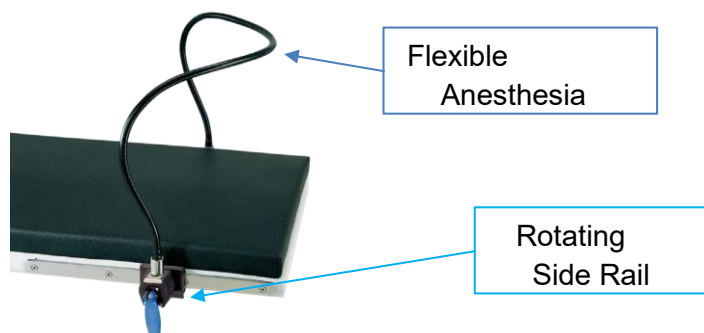
Slides onto table rails and can be used on either side.

Mounts to both the accessory rail and the table rails by clamp tightening its clamp.

(See specific cleaning instructions in [Section 13](#))

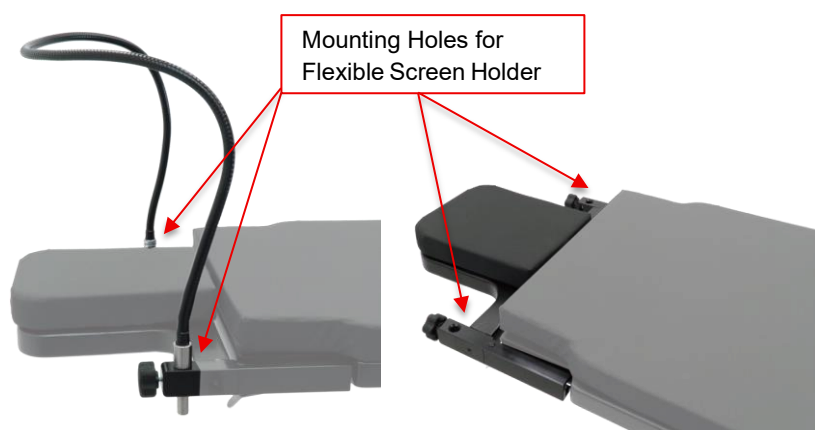
12.9. Anesthesia Screen Holder - #C000-0956

(May require a pair of side rail clamps - #C100-3508)



Anesthesia Screen Holder.
Flexible Hoop.

If this is to be used in an area of the tabletop that has no side rails, then a pair of Clamp-on Accessory Side Rails and a pair of Side Rail Clamps are needed.



12.10. Rotating Side Rail Clamp - #C100-3508



Rotating Side-rail clamp (Rail-mounted)

For use with Flexible Anesthesia Screen Holder.

13. General Cleaning

After each medical procedure, the table should be properly cleaned. Do not use harsh abrasives, solvents, sprays, or corrosive agents. Some accessories may come with individual cleaning instructions.

Approved & Tested Disinfectant Cleaners for Table:

- Sodium hypochlorite (generic household bleach) in solution of 5.25% sodium hypochlorite diluted between 1:10 and 1:100 with water.
- Alcohol (generic)
- Envirocide® Disinfectant and Cleaner

Approved & Tested Disinfectant Cleaners for Radiation Shield:

- Scrubbles® (Infab Corporation) <https://www.infabcorp.com/apron-cleaning/>

Approved & Tested General Purpose cleaners:

- Simple Green™ cleaner - www.simplegreen.com

Cleaning the Table:

1. Move the tabletop to a level horizontal position.
2. Lower the tabletop to its lowest position.
3. Disconnect the table from the AC power outlet and engage the Emergency Stop Pushbutton.
4. The power cord and any other cords must be plugged in at the table base to protect the inside of the connectors from debris. If there is a plug at the base of the table, you can also place the protective plug in the hole.
5. Remove all pads and accessories from the table.
6. Wipe off any excess fluids with water dampened cloth or sponge.
7. Clean the tabletop and accessories using an approved cleaner listed above.
8. Clean all pads according to the instructions attached to the pad.
9. Clean the table frame, castors and base with Simple Green™ cleaner.
10. Thoroughly rinse the Patient mattress pad, tabletop and accessory rails with water.
11. Gently rub with a soft, clean cloth until dry.



Cleaning the Radiation Shield:

Remove the small upper section by lifting it up and laying it flat. Use the recommended cleaner in an adequately ventilated area.

1. Apply approved cleaner to one side of the small upper shield at a time and allow to stand for a few minutes.
2. Scrub with a soft bristle scrub brush. **Do not let the solution dry before rinsing.**
3. Rinse with water and a damp cloth.
4. Scrub and rinse again, if necessary.

Cleaning the remainder of the Radiation Shield

1. Remove the main section of the Radiation Shield and clean in the same manner.
2. Attach Radiation Shield back onto table rails.
3. Reinstall upper panel of Radiation Shield.

14. Maintenance, Service & Repair

All maintenance procedures should be done by an experienced and qualified technician to minimize damage to the equipment. Any persons performing maintenance must have demonstrated knowledge and skills (electrical and mechanical) in the service of medical equipment.

- ✓ Persons performing maintenance must have access to this manual and the proper tools.
- ✓ Lubrication of this device is not required.

14.1. Recommended Periodic Performance Checks

Daily	- Inspect all external cables, controls, and the tabletop for wear and damage. Damaged cables must be replaced promptly. This equipment uses a medical grade power cord which is not user serviceable. Replacement must be performed only by a qualified service technician. - Inspect wireless controllers for any indication of a low battery level. Battery level will vary depending on usage.
Weekly	- Check battery operation by disconnecting the AC power and running the tabletop up and down. - Run the tabletop through its full range of motions to help keep the actuators from sticking or freezing up.
Semi-annually	Inspect carbon fiber tabletop
Annually	Replace batteries in the Bluetooth wireless controllers (IDI recommends only using batteries with a no leak guarantee or equivalent)

14.2. Service & Repair Statement

Only qualified personnel should perform repairs on this equipment. Read this entire document before performing any diagnostics or repairs. Some procedures listed require this device to be energized while repairs are performed; please exercise extreme caution while working with electrical components. Always exercise appropriate lockout/tag out procedure while performing any diagnostics and service on the table.

15. Troubleshooting

Note: The motion of the Tabletop is fully controlled by user interface with switches, buttons and a hand actuated brake release. In the event of a loss of these motions, it is expected that the tabletop will remain stationary without any unwanted movement.

Problem/Symptom	Possible Cause	Remedy
1. Table Controls not functioning	1. No Power. 2. Controller Battery or Hand Pendant Battery is depleted. 3. Emergency Stop Pushbutton engaged. 4. Control connection. 5. Electromagnetic Interference. 6. Actuators uncalibrated. 7. Panning Control or Hand Pendant Control failure.	1. Check electrical outlet. 2. Connect to AC Power. 3. Reset Emergency Stop Pushbutton 4. Service Control connections. 5. Refer to Section 6 (EMC Electromagnetic Compatibility) of this manual. 6. Reinitialize Actuator Controller with Handset Control. 7. Attempt actuation with one controller connected at a time. Multiple inputs inhibit table movement.
2. Lateral and Longitudinal Brakes (table float) stuttering or sticking	1. Table has been dormant for extended length of time. 2. Contamination on brake surfaces, or improper cleaning or maintenance performed.	1. Release brakes using Tabletop Motion Control Panhandle and move tabletop in all directions. Working tabletop motions may free dragging. 2. Clean brake surfaces according to Service Manual.
3. Lateral and Longitudinal Brakes (table float) not releasing	1. No Power. 2. Emergency Stop Pushbutton engaged. 3. Controller Battery is depleted.	1. Check electrical outlet. 2. Reset Emergency Stop Pushbutton. 3. Connect to AC Power Outlet.
4. Longitudinal Brakes not releasing	1. Emergency Stop Pushbutton engaged. 2. Tabletop Motion Control Panhandle not in level Trendelenburg position. 3. Tabletop does not stop at Trendelenburg Level position.	1. Reset Emergency Stop Pushbutton. 2. Move Tabletop to level Trendelenburg position. 3. Service Trendelenburg Rocker Switch.

Problem/Symptom	Possible Cause	Remedy
5. Table does not elevate	1. No Power. 2. Controller Battery is depleted. 3. Emergency Stop Pushbutton engaged. 4. Tabletop Motion Control Panhandle Switches disabled. 5. Panhandle Failure. 6. Control connection. 7. Actuator(s) uncalibrated. 8. Actuator Failure.	1. Check electrical outlet. 2. Connect to AC Power 3. Reset Emergency Stop Pushbutton. 4. Reset Switch Lockout Pushbutton. 5. Test motion with Handset Control. If elevate works correctly, replace Panhandle Unit 6. Service Control connections. 7. Reinitialize Actuator Controller with Handheld Control. 8. Replace Elevate Actuator
6. Trendelenburg motion does not operate (ISR & 100-4T only)	1. No Power. 2. Controller Battery is depleted. 3. Emergency Stop Pushbutton engaged. 4. Panhandle Failure. 5. Control connection. 6. Actuator(s) uncalibrated. 7. Actuator Failure.	1. Check electrical outlet. 2. Connect to AC Power. 3. Reset Emergency Stop Pushbutton. 4. Test motion with Handset Control. If Trendelenburg works correctly, replace Panhandle Unit. 5. Service Control connections. 6. Reinitialize Actuator Controller with Handheld Control. 7. Replace Trendelenburg Actuator(s).
7. ISO-Centric Roll does not operate (ISR only)	1. No Power. 2. Controller Battery is depleted. 3. Emergency Stop Pushbutton engaged. 4. Panhandle Failure. 5. Control connection. 6. Actuator(s) uncalibrated. 7. Actuator Failure.	1. Check electrical outlet. 2. Connect to AC Power. 3. Reset Emergency Stop Pushbutton. 4. Test motion with Handset Control. If ISO-Centric Roll works correctly, replace Panhandle. 5. Service Control connections. 6. Reinitialize Actuator Controller with Handheld Control. 7. Replace ISO-Centric Roll Actuator.
8. No response to Tabletop Motion Control Panning Controls.	1. No Power. 2. Controller Battery is depleted. 3. Emergency Stop Pushbutton engaged. 4. Panhandle failure.	1. Check electrical outlet. 2. Connect to AC Power. 3. Reset Emergency Stop Pushbutton. 4. Replace Panhandle Unit. (It is possible to test response with Handset Control)
9. No response to handset control	1. No Power. 2. Handset or Controller Battery is depleted. 3. Emergency Stop Pushbutton engaged. 4. Actuator(s) uncalibrated. 5. Device Failure.	1. Check electrical outlet. 2. Connect to AC Power. 3. Reset Emergency Stop Pushbutton. 4. Reinitialize Actuator Controller with Handset Control. 5. Replace faulty device.
10. Elevate, Trendelenburg and ISO-Centric Roll slow or unexpected movement	1. Running on Battery Power. 2. Actuator(s) uncalibrated.	1. Connect to AC Power. 2. Reinitialize Actuator Controller with Handset Control.

16. Disposal of Components



IDI medical tables are made up of/ or mostly steel, copper, and aluminum parts, which are easily recycled. It is recommended that some components be disassembled before disposal for recycling. The table below lists components typically found in IDI products but vary with model and options.

Component	Item	Recycling Group
Actuators	Spindle and Motor Housing Cable	Metal (Steel and Copper) Plastic Copper
Control Box	PC Board Plastic Housing Cable Transformer Batteries	Electronic Plastic Copper Copper Lead Acid Batteries
Hand Controls	PC Board Housing Cable	Electronic Plastic Copper
Table Base	Frame Casters Covers	Metal (Steel) Plastic and Steel Stainless Steel

Electronic Waste & Batteries



Electronic components and devices must be disposed of according to local waste regulations. The symbol (left) denotes that the product contains electronic devices and cannot be disposed of with household waste. This product cannot be included in municipal waste and must be disposed or recycled according to local waste regulations.

17. Product Data

Table	Low attenuation carbon fiber tabletop and pad
Tabletop surface	61cm x 155cm (24 in x 84 in) Standard
Imaging range along table length	172.7 cm (68in)/203.2cm (80in) with Headrest or Peripheral Extension
Trendelenburg (tilt)	Approx. $\pm 12^\circ$ with automatic stop-at-level position
Iso-Centric Roll (ISR only)	Approx. $\pm 12^\circ$ with automatic stop-at-level position
Tabletop Height Range	
• <i>ISR</i>	81.3 cm to 111.3 cm (32 in to 44 in) without pad
• <i>100-4T, 100-4</i>	76.2 cm to 109.2 cm (30 in to 43 in) without pad
Longitudinal Travel	81.3 cm (32 in)
Lateral Travel	20.3 cm (8 in)
Patient Capacity	600 lbs. (272 kg) without tabletop extensions 500 lbs (227 kg) with tabletop extensions
Automatic locking of longitudinal travel occurs when table Trendelenburg is not level	
Emergency Stop Pushbutton	
Multi-caster/3 Position Multi-lock system: Total Lock, Steer & Inline	
Wireless Handset Motion Control standard	
Backup battery power	
Two Saved Memory Tabletop Positions on Handset Control	

18. Specifications

Mode of Operation:

- For continuous use with short time loading
- Duty Cycle: 10% (2 min on/18 min off)

Type of Equipment:

- Class II Type B applied part (as defined by IEC 60601-1, UL 60601-1, EN 60601-1, CAN/CSA 601.1-M90, IEC 60601-2-46:1998.
- Type B protection against electrical shock as the applied part is the table surface.

Electrical:

- Supply Voltage: 120±5% Vac 60Hz or 230±5% Vac 50Hz. Duty Cycle: 10% (2 min on/18 min off).
- Current Rating: Less than 10 Amps.
- Battery Backup Power. (use Linak Li-Ion BA22 only. Output Voltage: 25.7 V DC, 1A max, 2.9 Ah/73.25Wh)

Environmental:

- Operating Temperature Range: +5°C to +40°C.
- Operating Humidity Range: 20% to 80% relative humidity, noncondensing.
- Operating Pressure Range: 700 hPa to 1060 hPa.
- Transport & Storage Temperature Range: -10°C to +40°C.
- Transport & Storage Humidity Range: 20% to 80% relative humidity, noncondensing.
- Transport & Storage Pressure Range: 500 hPa to 1060 hPa.
- Rated IPX4 (Protected against splashing water).
- Meets EMC requirements of IEC 60601-1-2:2007.

Tabletop:

- The tabletop is made of carbon fiber and meets all the requirements of FDA CFR Title 21, Chapter 1, Subchapter J.

Guidance and Manufacturer's Declaration – Emissions All Equipment and Systems:

Table 1

This equipment is intended for use in the electromagnetic environment specified below.
The customer or user of this equipment should ensure that it is used in such an environment.

Emissions Test	Compliance	Electromagnetic Environment – Guidance
RF Emissions CISPR 11	Group 1	This equipment uses RF energy only for its internal function. Therefore, its RF emissions are very low and not likely to cause any interference in nearby electronic equipment.
RF Emissions CISPR 11	Class A	This equipment is suitable for use in the healthcare facility environment
Harmonics IEC 6100-3-2	Class A	
Flicker IEC 6100-3-3	Complies	

Specific Bluetooth Components have been tested to standard FCC Part 15.247 and FCC Part 15 Rules respectively. For more information please contact IDI for full certification documentation.

Guidance and Manufacturer's Declaration - Immunity, All Equipment and Systems:

Table 2

Immunity Test	EN/IEC 60601 Test Level	Compliance Level	Electromagnetic Environment Guidance
ESD EN/IEC 61000-4-2	±8kV Contact ±2kV, ±4kV, ±8kV, ±15kV Air	±8kV Contact ±2kV, ±4kV, ±8kV, ±15kV Air	Floors should be wood, concrete, or ceramic tile. If floors are synthetic, the relative humidity should be at least 30%.
EFT EN/IEC 61000-4-4	±2kV at 100 kHz repetition frequency for AC Mains ±1kV at 100kHz repetition frequency for Signal I/O parts Port	±2kV Mains ±1kV I/Os	Main power quality should be that of a typical commercial or hospital environment.

Surge EN/IEC 61000-4-5	±0.5kV, ±1kV Line to Line ±0.5kV, ±1kV, ±2kV Line to Ground	±0.5 kV, ±1 kV Line to Line ±0.5kV, ±1kV, ±2 kV Line to Ground	Main power quality should be that of a typical commercial or hospital environment.
Voltage Dips/Dropout EN/IEC 61000-4-11	0 % UT; 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0 % UT; 1 cycle 70 % UT; 25/30 cycles for 50 Hz and 60 Hz, respectively Single phase: at 0° 0 % UT; 250/300 cycle for 50 Hz and 60 Hz, respectively Single phase: at 0°	0 % UT; 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0 % UT; 1 cycle 70 % UT; 25/30 cycles for 50 Hz and 60 Hz, respectively Single phase: at 0° 0 % UT; 250/300 cycle for 50 Hz and 60 Hz, respectively Single phase: at 0°	Main power quality should be that of a typical commercial or hospital environment. If the user of this equipment requires continued operation during power mains interruptions, it is recommended that this equipment be powered from an uninterruptible power supply or battery.
Power Frequency IEC 61000-4-8 Magnetic Field EN/IEC 61000-4-8	30A/m, 50Hz or 60Hz	30A/m, 50Hz or 60Hz	Power frequency magnetic fields should be that of a typical commercial or hospital environment.

Guidance and Manufacturer's Declaration Emissions, Equipment and Systems that are NOT Life-Supporting

Table 3

This equipment is intended for use in the electromagnetic environment specified below. The customer or user of this equipment should ensure that it is used in such an environment.

Immunity Test	EN/IEC 60601 Test Level	Compliance Level	Electromagnetic Environment Guidance
Conducted RF EN/IEC 61000-4-6	AC Mains: 3V, 0.15MHz – 80MHz 6V in ISM band between 0.15MHz and 80MHz 80%AM at 1KHz [see table 5 of IEC 60601-1-2] SIP/SOPS: 3V, 0.15MHz – 80MHz 6V in ISM band between 0.15MHz and 80MHz 80%AM at 1kHz [see table 5 of IEC 60601-1-2]	AC Mains: 3V, 0.15MHz – 80MHz 6V in ISM band between 0.15MHz and 80MHz 80%AM at 1KHz [see table 5 of IEC 60601-1-2] SIP/SOPS: 3V, 0.15MHz – 80MHz 6V in ISM band between 0.15MHz and 80MHz 80%AM at 1kHz [see table 5 of IEC 60601-1-2]	Portable and mobile communications equipment should be separated from this equipment by no less than the distances calculated/listed below: $D=(3.5/3)(\text{Sqrt } P)$ 80 to 800 MHz $D=(7/3)(\text{Sqrt } P)$ 800 MHz to 2.7 GHz where P is the max power in watts and D is the recommended separation distance in meters. Field strengths from fixed transmitters, as determined by an electromagnetic site survey, should be less than the compliance levels (V1 and E1).
Radiated RF EN/IEC 61000-4-3	3V/m 80MHz to 2.7GHz 80%AM at 1kHz	3V/m 80% AM	Interference may occur in the vicinity of equipment containing a transmitter.

Recommended Separation Distances between portable and mobile RF Communication Equipment and this equipment. Equipment and Systems that are NOT Life Supporting.

Recommended Separations from this equipment are intended for use in the electromagnetic environment in which radiated disturbances are controlled. The customer or user of this equipment can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF Communications Equipment and this equipment as recommended below, according to the maximum output power of the Communications Equipment.

Table 4			
Max Output Power (Watts)	Separation (m) 150kHz to 80MHz $D=(3.5/3) (\text{Sqrt } P)$	Separation (m) 80 to 800MHz $D=(3.5/3) (\text{Sqrt } P)$	Separation (m) 800MHz to 2.5GHz $D=(37/3) (\text{Sqrt } P)$
0.01	.1166	.1166	.2333
0.1	.3689	.3689	.7378
1	1.1666	1.1666	2.3333
10	3.6893	3.6893	7.3786
100	11.6666	11.6666	23.3333

19. Warranty and Contact Information

Warranty details for IDI Products can be obtained directly from Image Diagnostics, Inc.



Image Diagnostics, Inc.
310 Authority Drive
Fitchburg, MA 01420
USA



Or call IDI at **(978) 829-0009**.

Monday – Friday: 8AM – 5PM EST



www.imagediagnostics.com



All additional literature for this equipment:
<https://imagediagnostics.com/user-manuals>