

Electric Operating Table

Operating Instruction

Preface

- ★ Thank you for purchasing our products.
- ★ Before using this product, please be sure to read this manual carefully and retain it for future use.
- ★ When using this device, please strictly abide by the rules, proper maintenance and maintenance.
- ★ If the device is found in the course of the problem, please contact us, we will provide you with timely service and help.

Product Overview

This electric operating table primarily for the purposes of medical institutions for surgical use, it is suitable for head, neck, chest, abdomen, perineum, limbs and other surgery, gynecology, urology, ENT, neurosurgery and other surgical needs. All its actions are driven by motors.

The operating table is made up of base, Lifting mechanism, back board, seat board, leg board and other components. It uses low voltage DC motors to drive to be safe and reliable.

Scope

This operating table is suitable for head, neck, chest, abdomen, perineum, limbs and other surgery, gynecology, urology, ENT, neurosurgery and other surgical needs.

*** electric operating table is especially for brain surgery using.**

Parameters

Size of the table top	2000 mm×500 mm
Lifting range :	Min≤750mm Max≥1000mm
Tabletop Trendelenburg:	≥ 22°
Tabletop revers trendelenburg:	≥ 25°
Tabletop tilt left and right:	≥ 20°
Table Top Sliding distance:	≥350mm
Headboard folding up:	≥ 45°
Headboard folding down:	≥ 90°
Backboard folding up:	≥ 70°
Backboard folding down:	≥ 35°
Leg board folding down:	≥ 90°
Leg board open:	≥ 90°
Waist board rising:	≥ 80mm
Supply voltage:	220V±22V
Frequency:	50Hz±1Hz
Input power:	600VA
Weight:	200kg
Working mode:	Short-term load continuous operation
Equipment category:	Non AP / APG equipment
Enclosure rating:	IPX4

Equipment safety classification: I type B
Fuse models and specifications: T3AL250V (Φ5×20mm)

Installation and usage

1. Unpacking

After unpacking, you should take out the packing list and check all parts of the product. If you find any questions, contact us please.

2. Tips

In order to ensure you purchase the product after enable better use of our special statement:

- 1) This model uses low-voltage DC motor to drive, safe maintenance.
- 2) Please turn off the power when not use.
- 3) It must be used on anti-static floor.
- 4) Molded polyurethane mattress using adsorption, shape stability and has antistatic properties.
- 5) Please read the instruction before use.
- 6) Before using this product, please follow the manual maintenance of disinfection methods.
- 7) This product is used in packaging materials are taken into account the impact on the environment, can 100% recycled

★ Timber ★ Steel ★ Polyethylene film bag ★ Polyethylene Bubble Film

Keep packaging materials and wastes sent to the designated trash collection after classification.

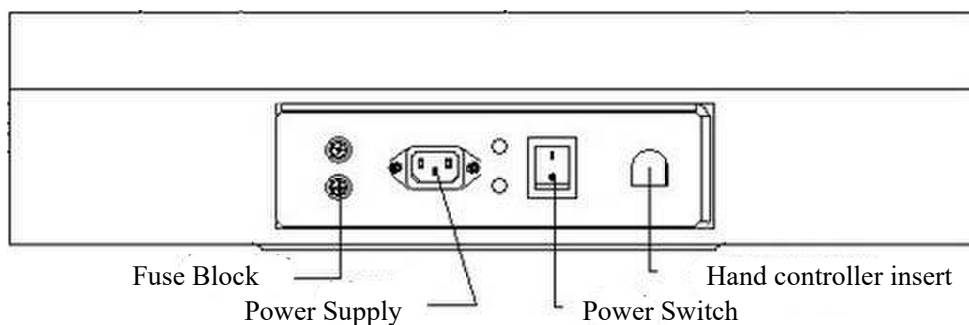
- 8) The end of the product life scrap processing, according to local health and epidemic prevention laws and regulations require bed capacity to classify scrap.

3. Operating conditions

- 1) Supply voltage: $220 \pm 22\text{VAC}$
- 2) Frequency: $50\text{Hz} \pm 1\text{Hz}$
- 3) Input power: 300VA
- 4) Pressure: 70kPa~106kPa
- 5) Ambient temperature: $5^{\circ} \sim 40^{\circ}\text{C}$
- 6) Relative humidity: $\leq 80\%$

4. Preparations

- 1) Power input diagram



2) Power

Power supply must be configured to use standard 220V (5A above) socket. Do not share the same socket with other electrical appliances or instruments.

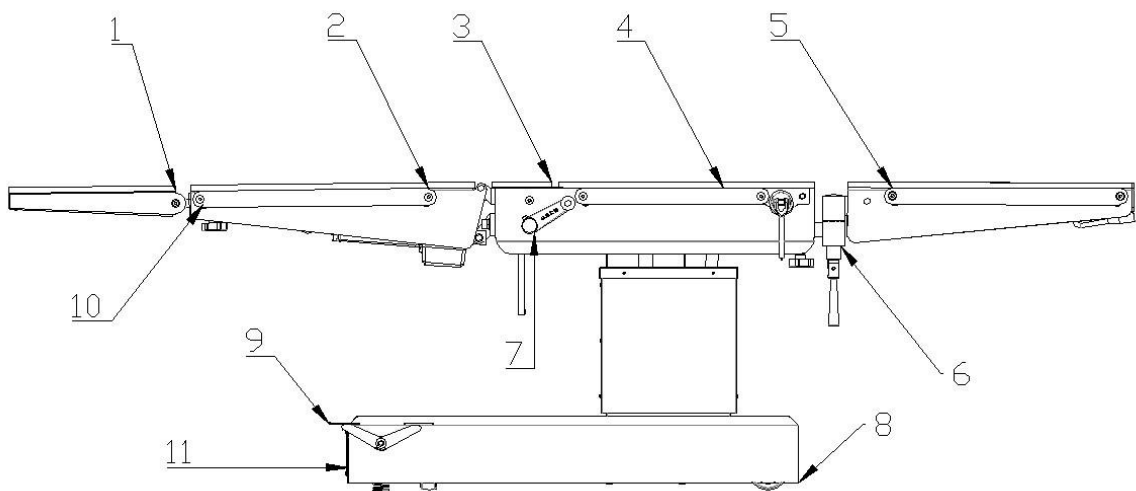
2) Earthing

Grounding must be reliably connected!

In case of electric shock, please make sure that the grounding is not connected to the following objects:

★Heating pipes ★Gas pipes ★ Water pipes ★ Lightning rod ★Telephone line

3) Name of each part



1、 Headboard 2、 Backboard 3、 Waist board 4、 Seat board 5、 Leg board 6、 Lock 7、
Handle 8、 Base 9、 Brake 10、 Guide 11、 Power switch

*Our Company reserves the right to improve the product, any changes, we won't give extra notice.

Auxiliary Power System

The bed capacity is equipped with auxiliary power supply system. When power failure or power interruption, the internal circuitry will automatically switch the internal auxiliary power supply in order to ensure the normal operation of bed capacity. After turning off the main power switch is turned off while the internal auxiliary power supply.

The auxiliary power system in use, please be sure to note the following:

- 1、 If the external protective conductor in the installation or wiring integrity in doubt please use the internal power supply.
- 2、 Normally an external power supply should be based, supplemented by internal auxiliary power supply, auxiliary power supply after use should pay attention to timely supplement the internal battery power so as not to affect the next time you use also help extend the life of the internal battery.
- 3、 Auxiliary power supply system in the external power supply under normal circumstances will be automatically added to the internal battery power, while charging (yellow charge indicator light), full power will automatically stop charging (yellow charge indicator light turns off).
- 4、 Usually should be avoided in high temperature environment using the internal auxiliary power supply to avoid premature battery aging.
- 5、 Use auxiliary power supply, please note that "short-term load" can not be overloaded, to avoid damage to the internal battery.
- 6、 Recommend an internal power supply checked once a month in good condition (artificially cut off external power supply and the internal power system load and run to verify the integrity of the internal power supply system).
- 7、 Auxiliary power supply can generally be used for 3 years, as found in the use auxiliary power supply running time is getting shorter, please contact our purchase auxiliary power promptly replaced.
- 8、 Non-recognized manufacturer's technical staff may not replace the internal battery to avoid an accident.
- 9、 Specifications for the internal battery: 2 x 12V/7Ah
Red for the positive battery terminal, black terminal is negative.

Security attentions

- ★ Before using you should read the instruction to operate correctly.
- ★ In order to use the equipment safely, protect you and others from dangerous and damage expected when used in the wrong problems that may arise and on the hazards, the extent of damage classification. All in all, about safety, please be sure to observe.

1. Warning

Ignore the warning, wrong use instructions could result in serious injury or even death!

Power plug should be used alone

Alone AC 220V (5A above) socket. With other instruments and use a local socket will cause abnormal heating or fire.

Insert the power plug firmly

Plug into the power outlet when fully inserted in the end, and to ensure and socket contacts firmly conductive contacts loose and poor contact does not occur, most likely caused by poor contact device working poor, fault or even cause a fire.

For a long time to unplug the power when not in use

When not in use for a long time off the power switch, unplug the power cord. Otherwise easily lead

to an accident or a deterioration in the insulation leakage fire.

Attention to the power cord or plug damage

Power supply cord or plug is damaged, insert the plug loose, do not use. Otherwise easily lead to electric shock and a fire.

Unplugged

Unplug the power cord, do not pull on the power cord, pull out the top with a hand-held power plug. Pull wires easily damaged power cord can cause electric shock and fire.

Ground connection must be tightened

Ground wire connection must consult with professionals, sockets, use the socket with a ground terminal, do not connect the ground easily lead to instability or leakage when the device is operating an electric shock.

Points to note when operating table placement

Operating table before work and work, special attention should be no humans around the foot, examination or surgical instrument tool and other obstacles.

Attention when working around the operating table

Operating table must be stable, firmly placed on the ground. When set, if more than 5 ° inclined on the ground, the operating table on the easy dumping.

The attention of the operating table movement

Operating table doing turn back, buttocks and legs folded on board to turn when the patient can not lie down and moving side-sitting, otherwise easily lead to patient injury grip.

In addition to qualified technical service personnel must not disassemble, repair the operating table

Disassemble, repair is easy electric shock, or fire prone repair incomplete, resulting in abnormal movements, so that the body hurt.

Do not rinse the bed

The operating table is electrical equipment, do not rinse with water. Otherwise, an accident or electric shock.

Cautions when using of high frequency surgical equipment

In the use of high frequency surgical equipment, to prevent the patient and bed capacity of the metal parts in contact, in order to avoid burns.

* Self-locking gas springs for safe use

Products used in the self-locking gas springs, under any circumstances do not disassemble, or prone to accident risk. Gas spring normal working conditions: -30 °C -80 °C






2、Precautions

- 1) Operating table operating personnel to go through professional training, training content, including but not limited to the patient's protection measures, use of health care measures and the protection of the safe operation methods.
- 2) Note the following when installing the operating table
 - a. installed in damp place.
 - b. Avoid installing temperature, high humidity, strong sunlight, and more dusty locations.
 - c. Tilt, vibration, shock (including transportation time) to keep the operating table in a safe state.
 - d. Avoid installing from chemicals, corrosive substances and gas near the place.
 - e. Note that the power supply frequency and permissible current value (electricity consumption).
 - f. Properly and securely connect the ground wire.
 - g. Please provide a prominent position in the operating room under the operating table concise emergency instructions.
- 3) Precautions before using the operating table
 - a. Check the switch contact is good, polarity, etc., confirm the operating table can normally use.
 - b. Be sure that the ground is completely connected.
 - c. Confirm that all the wires safe and proper connection.
 - d. Operating table and used with other causes an error diagnosis, danger, please pay special attention.
 - e. Confirm various removable accessory securely installed.
 - f. Do not directly related to the time of surgery in patients with mattresses physical contact, the available medical nonwoven isolation.
- 4) Operating table being used, please note the following
 - a. Absolutely sure that the operating table and used when patients had abnormal operating table.
 - b. Find the operating table or the patient has abnormal phenomenon, in order to ensure patient safety, appropriate measures should be taken to stop operating table work.
 - c. Be careful not to touch the patient operating table operating area.
 - d. Do not let the operating table during exercise in patients with upper and lower operating table.
 - e. Avoid strong electromagnetic interference environment installation operating table, operating table to avoid malfunction or failure caused by accidents.
- 5) Operating table after use should pay attention to the following matters
 - a. The operating table back, seat and leg panels put level, the innermost end of the bed and moved down to the appropriate height.
 - b. Cut off the power
 - c. If you need to remove the power cord, pull the power cord must be part of, not pull the power cord.
 - d. Accessories, wires, etc. To clean up after finishing saved.
 - e. In order to be able to successfully use the next time the operating table must be cleaned and disinfected.
- 6) Found fault, do not be demolished, to ask professionals for repairs.
- 7) Replacement fuses must disconnect the power, with the same type of fuse (T3AL250V) replaced.
- 8) Do not modify the operating table.
- 9) Machinery and exposed parts should be regularly checked and maintained.
- 10) For a long time do not use the machine again, the machine must be confirmed prior to use to secure the proper functioning.
- 11) Other routine precautions
 - a) after the end of a day's work, you must cut off the power.
 - b) All motors of the machine must be used intermittently, after two minutes of continuous operation

shall cease to ten minutes.

- c) operation of the power switch must be manually.
- d) power cord, hand controller connections at Never place objects. Or likely to cause damage to the wires, causing a short circuit, open circuit, easily lead to electric shock and fire.
- e) Please pay special attention not to make any mistakes when operating the foot pedal controller.
- f). Replace cover cloth, be sure to first turn off the power.

Graphics and symbols explained

No.	Graph	Meaning	
1	Power Switch		Disconnect
			Connect
2		Protective ground	
3		Type B applied part	
4		Internal Battery	

Equipment external tag

No.	Content	Mark
1	Type tag	Electric
2	power connections	220V±22V
3	Power frequency	50Hz±1Hz
4	Input Power	300VA
5	Classification	Class I, Type B
6	Enclosure rating	IPX4
7	Running Mode	Short-term load continuous operation
8	Fuse	T3AL250V (Φ5 X 20mm)

Maintenance

- 1) When cleaning, disinfection, maintenance, maintenance, be sure to turn off the power.
- 2) Power plug, foot controller plug water will cause a malfunction, electric shock or even, wipe with a dry soft cloth.
- 3) Exposed metal parts in contact with water can cause rust, wipe with a dry soft cloth.
- 4) Plastic, leather and other coating parts with a dry soft cloth.
- 5) Stains and grease, soaked with water diluted neutral detergent cloth wrung.
- 6) Do not use thinner, gasoline, kerosene, solvents and other volatile chemicals containing abrasive wax, sponges, brushes etc.
- 7) UV irradiation may be used or the operating table formalin fumigation disinfection methods.

Transportation and Storage

Transportation and storage conditions:

- a) Ambient temperature: $-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$
- b) Relative humidity: $\leq 95\%$
- c) Atmospheric pressure: $50\text{kpa} \sim 106\text{kpa}$

Service

- 1) Please keep the equipment data and invoice for you should show them to us when the machine fails.
- 2) You will have one year warranty and lifetime maintenance services.
- 3) Machine fails, cut off the power, unplug the power plug, and then contact us.
- 4) Never repair it in case of unexpected problems.