



JX2000 Motorized Examination Couch

User's Manual

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INTRODUCTION

About this User Manual

This user manual contains instructions for the proper and safe use of the Motorized examination couch, and for patient & user safety and comfort, which has to be strictly followed.

This User Manual has to be read and followed by every person using or handling this Motorized examination couch. In case of any query, Kindly contact Midmark India Pvt. Ltd.

ABOUT THIS PRODUCT

- These examination couches are non-invasive medical devices used for the patients to lie down for examination treatment by doctor/medical/paramedical/hospital personnel.
- This Motorized examination couch is suitable for use in OPD and Exam Room, for carrying out general Examinations like ENT, Ophthalmic, General Surgeon, Orthopedic Surgeon, etc (except Gyneac examination).
- The Headrest is adjustable for comfortable positioning of patients. The BP Apparatus Tray is adjustable for convenient positioning of BP Apparatus. This comes with Drawers and door for storage and has an inbuilt Sliding Step Stool for easy mounting/dismounting of patients when required.



JX2000 - Features

Please refer to the JX2000 catalogue for the salient features of this product.



Technical Data

Please refer to the JX2000 catalogue for the technical data of this product.



Add – On Accessories

Please refer to the JX2000 catalogue for various accessories available and compatible with this product.

DEFINITIONS

Operator

The operator is the person appointed by the owner (i.e. clinic, hospital management. etc.) who will be responsible for the safe operation of this Motorized Examination Couch.

User

A user is a person who is capable of assessing the clinical condition of the patient e.g. specialist medical personnel, doctors, nursing staff, attendants, etc. Based on their training experience or through the instructions, they are entitled to operate the Motorized examination couch on their responsibility or to carry out work on it and can recognize and control possible risks to the patient as well as the Motorized examination couch.

Patient

A patient is a person who is ill, infirm, disabled, or in need of care & occupying this Motorized Examination Couch. Each time the JX2000 Motorized Examination Couch is allotted to a new patient it is recommended that the patient is instructed by the operator or the user about the functions important for his/her comfort and safety.

SAFETY

In this User Manual, the following safety symbols are used



Danger: This symbol will appear wherever safety instructions are designed to protect people from physical harm. The symbol stands for imminent danger of death or serious injury.



Caution: This symbol will appear where situations are described, which might be dangerous, and which might inflict slight injuries.



Electrical Hazard: This symbol will appear when a life-threatening hazard or hazardous condition is likely to occur



Advice: This symbol will appear in front of additional helpful pieces of advice.



A dot in front of the text implies the action that is required to be taken.

Safety Instructions

- Always use original accessories that have been designed and approved for use with the Motorized Examination Couch
- Ensure that the Motorized examination couch is assembled and installed following the instructions given in this user manual
- Restrict child visitors without proper attendants. Supervision is necessary to avoid any mishap due to unintended movement of the Motorized Examination Couch
- Keep some gap between walls and Motorized Examination Couch while in a stationary position and also while moving from one place to another
- Keep the user manual handy with the operator/user for ready reference

Patients should be advised not to sit on edge of any section when it is in an extended full-length position.

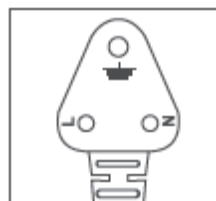


Electrical Safety Points

When the Motorized Examination Couch is connected to 230V / 15A (or as per country-specific) main supply-

Connecting more than one plug to the three-pin mains socket can cause electrical overload and damage to the control system of the Motorized Examination Couch.

- AC power supply exceeding 230V or sudden spikes or lack of proper earthing can be hazardous to User / Patient, as well as can cause damage to the Motorized Examination Couch and property.
- Ensure stabilized and properly earthed input power supply for the equipment. Also, ensure the polarity of the mains socket is as per Standard and matches with the mains plug.



- Inspect all the wires and cables for any cuts, cracks, damages at regular intervals.

ELECTRICAL SPECIFICATIONS

| | |
|-----------------------------|--|
| Mains power supply | 100 VAC to 240 VAC 50/60 Hz, Max 5A |
| Liquid Ingress Protection | IPX6 |
| Electrical Shock Protection | Class 1 |
| Degree of Shock Protection | Type B |
| Duty Cycle | 10% (Two minutes for every eighteen minutes) |

Battery Charger

| | |
|-----------------|---|
| Battery Charger | Suitable to charge 1.3Ah x 2 batteries Reverse polarity protection Spark free connection Short circuit protected output. Very minimal battery consumption at idle state, to enhance standby time. Battery overcharging protection. Battery low or dip discharge protection |
|-----------------|---|

ENVIRONMENTAL SPECIFICATIONS

Usage, Storage and Transport

| | |
|----------------------|--------------------------|
| Temperature | -10° C to 50°C |
| Relative Humidity | 0% to 95% non-condensing |
| Atmospheric Pressure | 800 to 1060 hPa |
| Altitude | < 2000m |

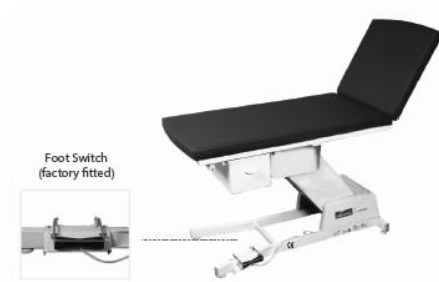
JX2000 Motorized Bed Variants

Two variants are available for JX2000 Motorized Examination Couch

Model 1 with Handset Control



Model 2 with Foot Switch Control



INSTALLATION



1. Unpack the JX2000 carefully.
2. If the packing is drenched by rain, water, or other liquids, inform this matter to the operator.



JX2000 comes in ready to use condition.



Notify if any damage has occurred during transportation either to the authorized agent or directly to Midmark India Pvt. Ltd.



Dispose of the packing material waste in accordance with the local waste disposal regulations prevailing.

Operation



- A. The Height can be operated with the help of handset provided. Press any key and then press the up/ down button on the handset to achieve the desired height.



- B. The backrest can be adjusted with the help of a Handle fixed on the Gas Spring provided on the backrest section.



Paper Roll Holder

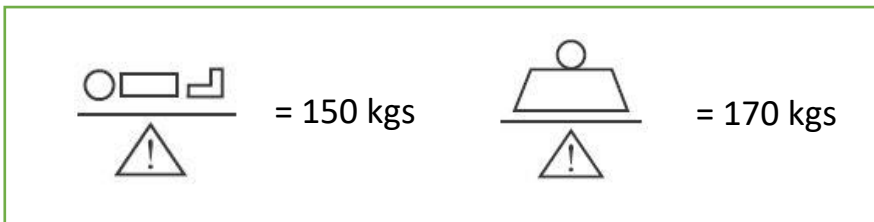
Dual Side Utility Space

- C. Dual-sided Utility space is given as shown in the above figure.
- D. Paper roll holder to keep the paper roll as shown in the above figure.
- E. Footswitch control for Model 2 for Height adjustment as shown in the below figure.



Foot Switch

Load Bearing Capacity





Do not load the Motorized Examination Couch more than the safe working load mentioned above. Ill Patient / User should not mount or sit or place any heavy load on the backrest section/leg section as it may cause toppling.



With due consideration to environmental limitations, materials used to make the device are not affected by ill contact with any biochemicals or biowaste. When used as per its intended purpose, all materials used in the product and accessories do not facilitate any breeding or growth of bio-contaminants on their own.

ADD-ON ACCESSORIES

1. Side Railing



MS Safety Side Railing

(Single Piece can be installed on either side of the couch)

2. BP Apparatus Tray




MS Adjustable BP Apparatus Tray


MAINTENANCE & CLEANING

Maintenance

Each time before putting the Motorized Examination Couch into service the user must check that-

- All the functions are in satisfactory working condition before the Motorized Examination Couch are allotted to the next patient
- Lubrication of all the mechanical joints/pins / moving parts / tightening of the bolts should be carried out at least once in three months, to avoid unnecessary sound and wear & tear of the Motorized Examination Couch
- At regular intervals carry out a visual inspection and check for any mechanical damage (e.g loose / missing rivets, screws, etc.)
- If any damage or malfunction is observed, immediately report this matter to the operator
- If the Motorized Examination Couch is not in use, it should be stored in a dry and rodent free indoor environment on a flat surface with a gradient not more than 5 degrees
- If the Motorized Examination Couch is not in use for a long term, it is necessary to conduct a test to check for functioning and any mechanical damage that may have been caused
- Depending on the usage, certain moving parts may require replacement due to wear & tear. We recommend timely replacement with original spares for safety and trouble-free operation.

 Mattress impermeability could be affected by needle sticks. Users should be instructed to avoid punctures caused by improper use of needle sticks. Failure to do so could result in cross-infection & patient injury. The mattress should be regularly inspected for punctures, rips, tears, or other such damage & replaced with the suitable original mattress if required.

 Smoking should be prohibited near the mattress/upholstery with/without patient, as this is a fire hazard, and mattress, sheets & pillows generally do not have flame retardant properties.

Cleaning & Disinfecting

- The Motorized Examination Couch is not suitable for machine wash or steam cleaning
- Do not use water jet for cleaning
- The Motorized Examination Couch cannot tolerate the influence of strong solvent, basic or alkaline liquids & caustic agents
- The cleaning agents must not contain any substances which bring about any change in the structure or adhesive property of the plastic
- The Motorized Examination Couch should be properly cleaned and disinfected to avoid infection and stains before allotment to a new patient
- The Motorized Examination Couch should be properly cleaned and disinfected at regular intervals to avoid infection and stains.
- We recommend the use of approved disinfectant and cleaning agents to clean the Motorized Examination Couch. Take extra care to clean areas that may trap dust or dirt. All detachable accessories and its component can be cleaned separately.



Do not expose the Motorized Examination Couch & Table to excessive moisture as corrosion may cause personal injury or equipment damage.

Disposal:



Product and its defective parts especially elements made of plastic, steel, rubber material should be disposed of following the statutory rules and regulations prevailing for such disposal. The user is advised to contact Midmark India Pvt. Ltd. for further assistance.

Routine Inspection Check List: Inspection by the User (Recommended Frequency: Every new allotment but not later than three months)

| Checks | Observations | OK | NOT OK | Description of faults |
|---|---|----|-------------|-----------------------|
| Visual check of the Electrical components | | | | |
| Handset | Damage, Loose, Hanging | | | |
| Main Frame | Damage, Loose, Hanging | | | |
| Control elements | Damage, Loose, Hanging | | | |
| Visual check of the Mechanical components | | | | |
| Base frame | Damage, deformation | | | |
| Upholstery | Damage, Torn, Solid | | | |
| Soiled Screws and rivets | Loosened, Missing | | | |
| Performance check of the electrical components | | | | |
| Handset | Functional test | | | |
| Control unit | Functional test | | | |
| Actuators | Functional test | | | |
| Performance check of all mechanical components | | | | |
| Backrest | Smooth Movement | | | |
| Drawer /Pan | Smooth Movement | | | |
| Level | Adjust Levelling Screws at Bottom of Base Frame | | | |
| Accessories | Fastening, Damage, Missing | | | |
| Sign | Result of Inspection | | Date | |

Troubleshooting Guide

| Problem | Possible Causes | Remedy |
|---|--|--|
| JX2000 not working | <ul style="list-style-type: none"> • No main voltage at mains • The Mains cable is not plugged in • Mains fuse blown | <ul style="list-style-type: none"> • Check in the supply current • Plug in the mains cable • Replace the fuse (2A) |
| Height function not working | <ul style="list-style-type: none"> • Control unit not functioning any loose connection • Actuator not functioning • Handset not functioning | <ul style="list-style-type: none"> • Check the Actuator connector for any loose connection • Replace the Actuator • Repair or replace the control unit • Repair or replace the Handset |
| JX2000 mains power failure Not functioning during main power failure | <ul style="list-style-type: none"> • Battery fuse blown off recommended • Battery discharged • Battery wire loosened | <ul style="list-style-type: none"> • Recharge the battery as recommended • Replace the fuse • Fix the battery wire firmly |
| Beeping sound from the Control Unit | <ul style="list-style-type: none"> • Overloading on the Jx2000 • Internal or external fuse blown off • Battery discharged | <ul style="list-style-type: none"> • Reduce the load. Refer Safe Working Load • Replace the fuse • Recharge the battery |
| Backrest not working | <ul style="list-style-type: none"> • Gas Spring defective / damaged Check Alignment of Gas Spring | <ul style="list-style-type: none"> • Readjust the Gas Spring Bracket & Cover • Replace the Gas Spring |
| Abnormal sound/vibrations during any operation | <ul style="list-style-type: none"> • Nut / Bolts loose joints. • Linkages are tight | <ul style="list-style-type: none"> • Lubricate the Linkages from its Joints. • Tighten the bolts. |
| Unusual burning smell | <ul style="list-style-type: none"> • Check for any short circuit in the mains supply • Short circuit in the Control unit | <ul style="list-style-type: none"> • Switch off the mains supply & Mains wire. Unplug the product from its mains Socket & contact 'Midmark india Pvt. Ltd.' for further assistance. |

WARRANTY & SERVICE

Midmark India Pvt. Ltd. warrants solely to the end-users of this Motorized Examination Couch that for a period specified in the warranty certificate, such Motorized Examination Couch shall perform as per its intended use. The foregoing warranties shall not apply if the Product has been subjected to: (a) physical abuse, misuse, abnormal use, or use not consistent with Midmark India Pvt. Ltd.'s published directions, (b) any modification by anyone other than Midmark India Pvt. Ltd., or third parties designated by Midmark India Pvt. Ltd., or (c) fraud, tampering, negligence or accidents, depending upon the nature of the products.

Limitation Of Liability: In no event shall Midmark India Pvt. Ltd., be liable or obligated to the end-user in any manner for any special, non-compensatory, consequential, indirect, incidental, statutory or punitive damages of any kind. Including, without limitation. For injury or loss of life, lost profits lost sales. Lost revenue, loss of any software or data. or loss of use of any hardware, software or data, regardless of the form of action, whether in contract, tort, negligence, strict product liability, or otherwise, even if Midmark India Pvt. Ltd., has been informed of or is aware of the possibility of any such damages in advance. Midmark India Pvt. Ltd.'s total aggregate liability under this agreement and in relation to anything which Midmark India Pvt. Ltd., has done or not done in connection with this agreement shall be limited to the price of the products purchased and paid for by the end-user during the period in which such liability arises. The limitations set forth above shall be deemed to apply to the maximum extent permitted by applicable law and notwithstanding the failure of the essential purpose of any limited remedies.

In order to maintain functional safety and right to claim under the warranty only original 'Midmark' replacements parts may be used for ordering replacement parts, customer service request and further question, please contact our technical support department.

Disclaimer

Every effort has been made to ensure that the information in this user manual is valid. Midmark India Pvt. Ltd., reserves the right to change the information in this document without prior notice."

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