



JX4000 Motorized Gynaecology 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 Gynaecology 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 Motorized Gynaecology Examination Couch. In case of any query, kindly contact Midmark India Pvt. Ltd.

ABOUT THIS PRODUCT

- This Health Check Motorized Gynaecology Examination Couch is suitable for use in OPD and Exam Room, for carrying out general Examinations like ENT, Ophthalmic, General Surgeon, Orthopaedic 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.
- Variable height Gynaec Motorized Examination Couch helps in the convenient mounting of pregnant patients /mothers. Low height helps pregnant patients to mount & dismount easily. High height facilitates the doctor to treat the patient more efficiently. User-Friendly Handset helps easy and smooth height adjustment by User.
- U-Cut helps the use of speculum and forceps. Lithotomy Crutches helps in Lithotomic position and support to lower legs / Calf muscles. Hand Grip is provided for patient safety and support while the height & backrest is being adjusted. Plastic Pan is provided for collection of Placenta. (Not to be used for storing other medical waste for safety and hygiene of User). Foldable / Removable Section is provided for easy access to user.



JX4000- Motorized Gynaecology Examination Couch Features

Please refer to the JX4000 catalogue for the salient features of these products.



Technical Data

Please refer to the JX4000 catalogue for the technical data of this product.



Add – On Accessories

Please refer to the JX4000 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 these Motorized Gynaecology 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 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 Gynaecology Examination Couch.

Patient

A patient is a person who is ill, infirm, disabled, or in need of care & occupying this Motorized Gynaecology Examination Couch. Each time the Motorized Gynaecology 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

- Ensure that Motorized Gynaecology Examination Couch is assembled and installed in accordance with the instructions given in this User Manual (wherever required).
- Restrict child visitors without proper attendants. Supervision is necessary to avoid any mishap due to unintended movement of the Motorized Gynaecology Examination Couch.
- Keep some gap between walls and Motorized Gynaecology Examination Couch while in stationary position and also while moving from one place to another.
- Keep the User Manual handy with the Operator/User for ready reference.
- Do not allow any visitor to sit on the Motorized Gynaecology Examination Couch from the Head side as it may cause overloading. (Refer section - operation)
- Accessories or any devices used along with Motorized Gynaecology Examination Couch should be as per its intended use specified and approved by Midmark India Pvt. Ltd.
- Do not keep any articles below the table mainframe. It can damage the linkages.

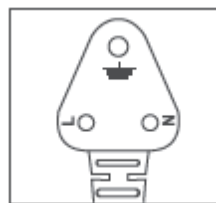
 Patient should be advised not to sit on edge of any section when it is in extended full length position

Electrical Safety Points

When the Motorized Gynaecology 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 ~the control system of 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 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 | < 200Qm |


INSTALLATION

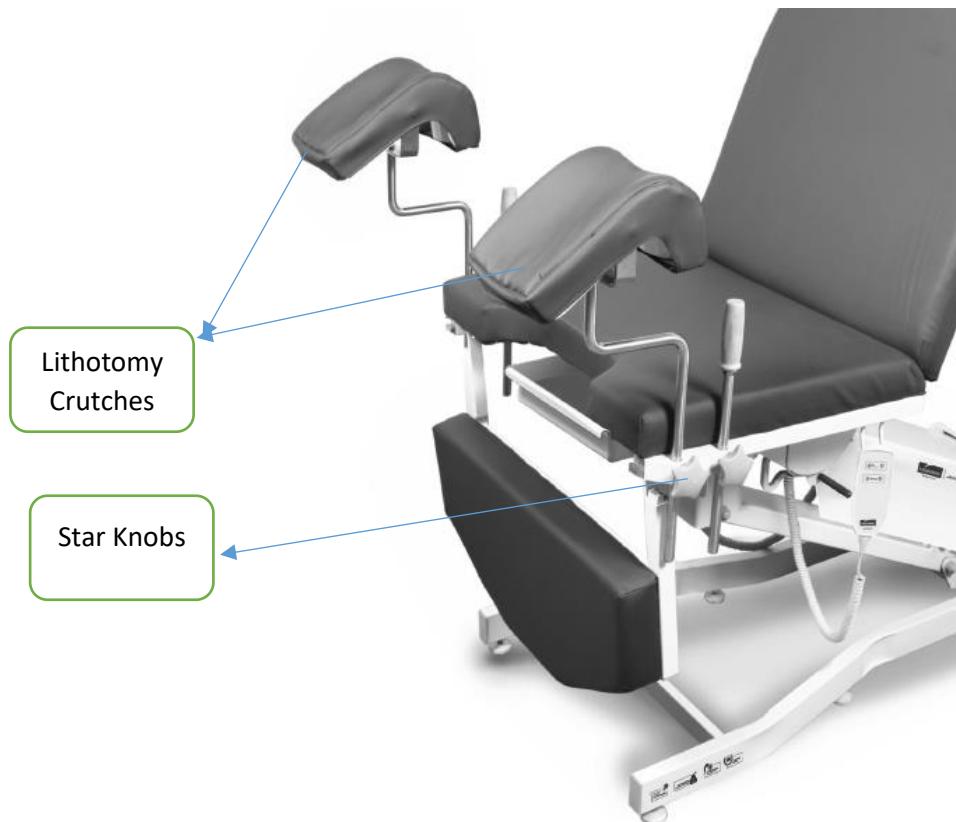


1. Unpack the JX4000 carefully.
2. If the packing is drenched by rain, water or other liquids, inform this matter to the operator.
 - A. Couch with body section lockers & drawers **1 No.**
 - B. Cushioned Lithotomy Crutches **2 Nos.**

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

 Installation of the JX4000 should be done only by Midmark India trained technicians

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



Install the Lithotomy Crutches into its slots provided on both sides & tighten the same with the help of Star & Knobs as shown in the above figure.

Operation



- A. The backrest and 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 position.

Handset, if dropped can cause malfunctioning of the handset.

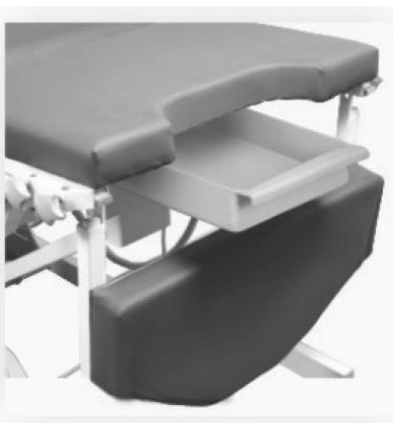
Battery

- The **Motorized Gynaecology Examination Couch** is equipped with a battery to allow emergency operation of the electric drive system. This ensures that all the power adjustment can still be carried out even in the event of power failure. The battery also has inbuilt fuse protection nor the safety of battery as well as users.
- Charge the battery for 20 hours and then connect it to the system, if the **Motorized Gynaecology Examination Couch** has not been in use over a period of one month. This may damage the battery.
- Always keep the **Motorized Gynaecology Examination Couch** in charging condition for any emergency use.
- Always keep the **Motorized Gynaecology Examination Couch** connected to the main supply to get a fully charged battery.
- Operations of the **Motorized Gynaecology Examination Couch** on Battery should be only as per its Duty cycle (refer Electrical Specifications given above)
- Batteries in the **Motorized Gynaecology Examination Couch** may emit hydrogen gas. So do not bring fire or a heated object close to the Product

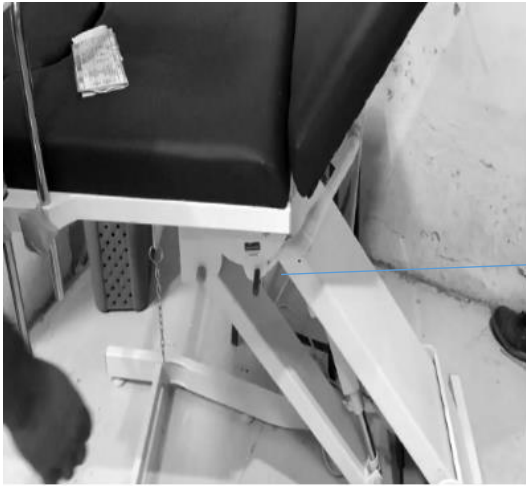
B. Handgrips in JX4000



C. Foldable section with removable pan



D. Pelvic tilt can be adjusted as desired with the help of handle



Pelvic Tilt
Handle

Pelvic Tilt Lever



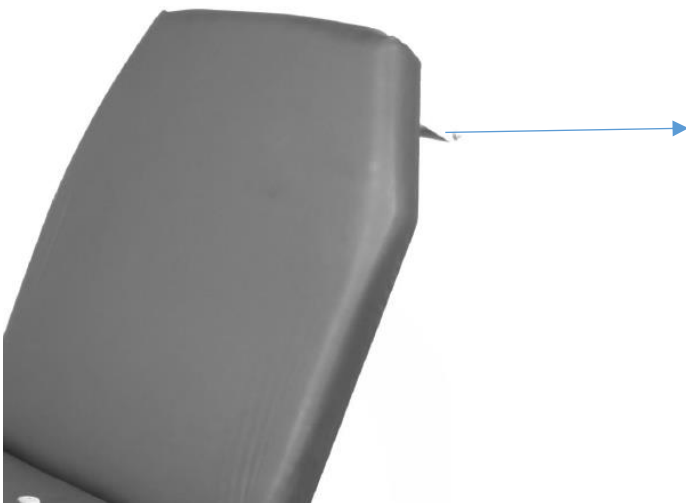
PELVIC TILT HOLDING CHAIN



Pelvic Tilt Chain Positioning on Frame

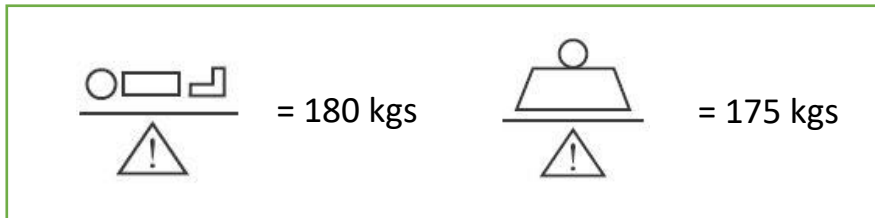


E. Integrated Paper roll holder provided at the back section to keep paper roll



Paper Roll
Holder

Load Bearing Capacity



Do not load the **Motorized Gynaecology 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.



MAINTENANCE & CLEANING

Maintenance

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

- All the functions are in satisfactory working condition before the Motorized Gynaecology 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 Gynaecology 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 Gynaecology Examination 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 Gynaecology Examination 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 Gynaecology Examination Couch is not suitable for machine wash or steam cleaning
- Do not use water jet for cleaning
- The Motorized Gynaecology 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 Gynaecology Examination Couch should be properly cleaned and disinfected to avoid infection and stains before allotment to a new patient
- We recommend the use of approved disinfectant and cleaning agents to clean the Motorized Gynaecology 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 Gynaecology Examination Couch 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 | | | |
| Detachable Lithotomy Crutches | | | | |
| Handle Grips | Secure retention | | | |
| 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 |
|---|--|--|
| JX4000 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 |
| JX4000 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 JX4000 • 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 Gynaecology Examination Couch that for a period specified in the warranty certificate, such Motorized Gynaecology 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 not with standing 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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