USER MANUAL

OAKWORKS®

# 3000 Series Procedure Chair



made in the USA with US & imported parts

OAKWORKS® MEDICAL PRODUCTS

Notice

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# PRODUCT USE DESCRIPTION / IMPORTANT SAFETY INSTRUCTIONS

## PRODUCT USE DESCRIPTION

The 3000 Series Procedure Chair is used to support a patient during examinations and procedures. It is intended to be operated by a healthcare professional in a medical environment. No special training is required but a review of the following Safety Instructions is important for the safety of the operator and patient. The healthcare professional should read and understand this entire manual before use with a patient.

## SYMBOL IDENTIFICATION

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

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

This symbol, when used in this manual and on product labels, indicates the potential of exposure to harmful x-rays. Be sure to read and comply with all warnings.

This symbol, when used in this manual and on product labels, indicates that the chair and components are a Type B Applied Part pursuant to IEC 60601-1.

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

This symbol, when used in this manual and on product labels, indicates the name and address of the manufacturer.


This symbol, when used in this manual or on product labels, indicates the country of manufacture along with date of manufacture of the device next to it.

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

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

This symbol is used to indicate that the operator should consult the user manual.

Sitting is prohibited in this area.

## CONTRAINDICATIONS

There are no known contraindications to the use of this equipment.

# IMPORTANT SAFETY INSTRUCTIONS

**⚠ CAUTION READ AND SAVE THESE INSTRUCTIONS**

The Fowler Backrest and Leg Rest sections are not designed to support the entire weight of the patient. Do not sit on the Fowler Backrest or Leg Rest sections.

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

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

The use of accessories and cables other than those specified by the manufacturer, may result in increased emissions or decreased immunity of the chair.

The chair should not be used adjacent to or stacked with other equipment. If adjacent or stacked use is necessary, the chair should be observed to verify normal operation in the configuration in which it will be used.

The chair is designed to be a standalone device. The chair must not be modified or incorporated into any other equipment.

As with any moving mechanism there are potential pinch points around and underneath the top. It is the responsibility of the operator of this equipment to ensure that bystanders are not in the area below or around this equipment during operation. Proper operation of this equipment is very important for the safety of the operator, patient, and any other individuals around this equipment. Directions for use of this equipment are described in this manual. The operator should read these sections carefully.

**Weight Limit: (patient and accessories) 550 LBS. / 250 kg. Do not exceed.**

Be certain that the chair is completely lowered prior to discharging an ambulatory patient. The patient may lose balance and fall.

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

When lowering the chair or using the Trendelenburg functions, make sure there is nothing underneath the top that can impede motion (like stools, cabinets, accessory parts, cleaners, etc.).

Use this chair only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.

Close supervision is necessary when this chair is used near children, invalids, or disabled persons.

All motor actuators & lifting columns have a duty cycle of approximately 10%, meaning 2 minutes of operation within a 20-minute period. Exceeding this duty cycle can damage this equipment.

Do not position the chair to make it difficult to operate the disconnection device.

Disposal of waste products, residues, etc., and of the chair and accessories at the end of the expected service life are listed in the Med-RA-SM-261 Ultrasound Service Manual listed on www.oakworksmed.com.

The optional Mobility System is intended to be used with the chair unloaded. Do not activate the system with a Patient on the chair.

# IMPORTANT SAFETY INSTRUCTIONS

## WARNING

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

1. Unplug from the electrical outlet before cleaning.
2. Unplug from the electrical outlet before adding or removing parts.
3. Never operate this device if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Contact OAKWORKS® Customer Service before use.
4. Keep the cord away from heated surfaces.
5. Never drop or insert any object into any opening.
6. Do not use outdoors.
7. Do not operate where aerosol (spray) products are being used or where oxygen is being administered.

## DANGER

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

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

## MISE EN GARDE | LIRE ET CONSERVER CES INSTRUCTIONS

Le dossier et le repose-jambes Fowler ne sont pas conçus pour supporter le poids total du patient. Ne pas s'asseoir sur le dossier ou le repose-jambes Fowler.

La chaise ne doit pas servir de civière ni être utilisée pour transporter un patient de salle en salle.

Les appareils électromédicaux nécessitent des précautions particulières concernant la compatibilité électromagnétique et doivent être installés et mis en service dans le respect des informations de compatibilité électromagnétique présentées dans ce manuel.

L'utilisation d'accessoires, de transducteurs et de câbles autres que ceux spécifiés par le fabricant peut entraîner une augmentation des émissions ou une diminution de l'immunité de la chaise.

La chaise ne doit pas être utilisée à côté d'autres équipements ou superposée à ceux-ci. Si une utilisation à côté d'autres équipements ou superposée à ceux-ci s'avère nécessaire, il faut observer la chaise afin d'en vérifier le bon fonctionnement dans la configuration utilisée.

La chaise est conçue pour être un dispositif autonome utilisé avec des sondes ultrasoniques portables. La chaise ne doit pas être modifiée ni incorporée à tout autre appareil.

Comme pour tout mécanisme mobile, des points de pincements potentiels se trouvent autour du dessus de la chaise et sous celui-ci. L'utilisateur de l'appareil est responsable de s'assurer qu'aucune personne ne se trouve dans la zone autour de cet appareil ou sous celui-ci pendant son fonctionnement. L'utilisation adéquate de cet appareil est très importante pour assurer la sécurité de l'utilisateur, du patient et de toute personne autour de l'appareil. Les consignes d'utilisation de cet appareil sont présentées dans ce manuel. L'utilisateur doit lire ces sections attentivement.

**Limite de poids : (patient et accessoires) 550 lb / 250 kg. Ne pas la dépasser.**

S'assurer que la chaise est complètement abaissée avant de laisser un patient ambulatoire se lever. Il se peut que le patient perde l'équilibre et tombe.

Ce dispositif ne convient pas à une utilisation en présence d'un mélange anesthésique inflammable avec de l'air, de l'oxygène ou de l'oxyde d'azote.

Au moment d'abaisser la chaise ou d'utiliser les fonctions de Trendelenburg, s'assurer qu'il n'y a rien sous la chaise qui puisse venir entraver le mouvement (tabourets, meubles, accessoires, produits d'entretien, etc.).

Utiliser cette chaise uniquement pour son utilisation prévue, comme elle est décrite dans ces instructions. Ne pas utiliser d'accessoires qui ne sont pas recommandés par le fabricant.

Une surveillance étroite doit être exercée lorsque cette chaise est utilisée près d'enfants ou de personnes invalides ou handicapées.

Tous les actionneurs motorisés et toutes les colonnes de levage ont un cycle de service d'environ 10 %, soit 2 minutes de marche par période de 20 minutes. Le fait de dépasser ce cycle de service peut endommager l'appareil.

Ne pas positionner la chaise d'une façon qui nuise à l'utilisation facile du dispositif sectionneur.

La mise au rebut des déchets, des résidus, etc., et de la chaise et des accessoires à la fin de leur durée de vie prévue est détaillée dans le manuel de service Med-RA-SM-261 sur www.oakworksmed.com.

Le système de roulettes de base en option est destiné à être utilisé avec la chaise déchargée. N'activez pas les roulettes avec un patient sur la chaise.

## AVERTISSEMENT

Pour réduire le risque de brûlures, d'incendies, de chocs électriques ou de blessures :

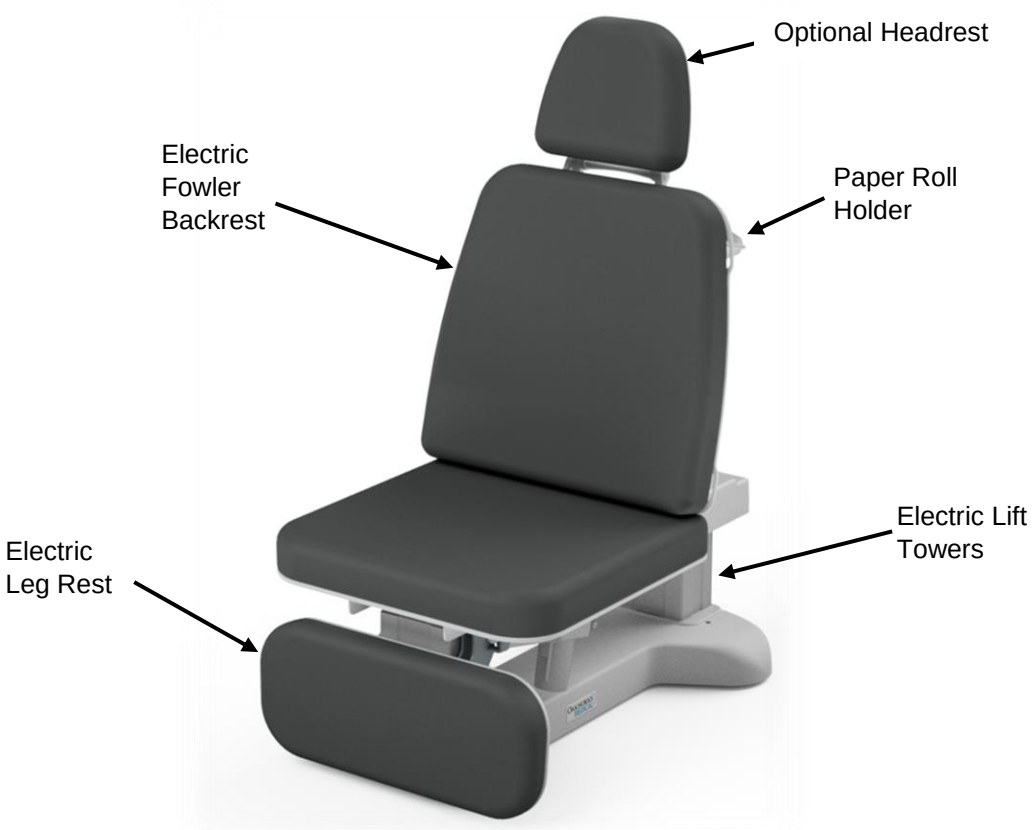
1. Débrancher l'appareil de la prise électrique avant le nettoyage.
2. Débrancher l'appareil de la prise électrique avant d'ajouter ou de retirer des pièces.
3. Ne jamais utiliser cet appareil si un cordon ou une prise sont endommagés, s'il ne fonctionne pas correctement, s'il est tombé en panne ou endommagé, ou s'il est tombé dans l'eau. Contacter le service client de OAKWORKS® avant l'utilisation.
4. Tenir le cordon à l'écart de toutes surfaces chauffées.
5. Ne jamais laisser tomber ni insérer d'objet dans une ouverture.
6. Ne pas utiliser à l'extérieur.
7. Ne pas utiliser dans des endroits où des produits aérosols (en bombe aérosol) sont utilisés ou de l'oxygène est administré.

## DANGER

Risque de choc électrique – Brancher cet appareil uniquement à une prise bien mise à la terre. Voir les instructions de mise à la terre dans ce manuel.

Risque de choc électrique. Le bloc d'alimentation et le module de contrôle sont situés sous le siège de la chaise. La boîte de contrôle ne contient aucune pièce pouvant être réparée par l'utilisateur Confier l'entretien à du personnel qualifié. Débrancher l'appareil de la prise électrique avant de toucher à des câbles branchés à l'alimentation.

# MODEL 3000 PROCEDURE CHAIR

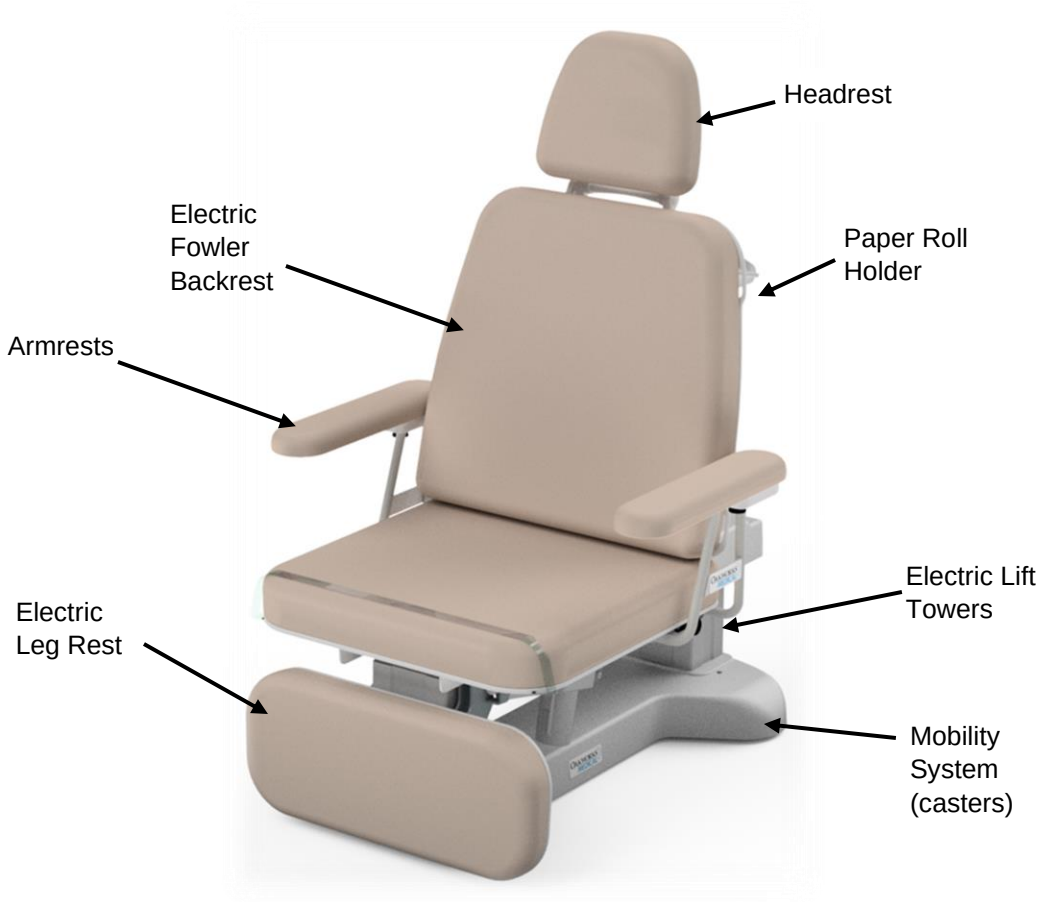



| STANDARD SPECIFICATIONS | |
|---|---|
| Motion 1 | Electric 19”-33” (48.3-83.8 cm.) Height Range |
| Motion 2 | Electric +15º Trendelenburg/ -21º Reverse Trend with pause at level |
| Motion 3 | Electric 0-75º Fowler Backrest |
| Motion 4 | Electric 0-90º Leg Rest |
| Hand Control | All powered motions with 2 preset and 2 memory positions (see page 13) |
| Paper Roll Holder | Up to 18” (45.7 cm.) rolls (not included) (see page 15) |
| Voltage | 120V/60Hz or 230V/50Hz |
| Load Capacity | 550 lbs. (250 kg.) (total weight of patient and accessories) |
| Width | 26” (66 cm.) |
| Length | Backrest – 25” (63 cm.), Seat – 24” (61 cm.), Leg Rest – 11” (28 cm.)<br>Overall Length – 61” (155cm), Including optional headrest – up to 76” (193 cm.) |
| Padding | 2.5” (6.5 cm.) Comfort Foam™, all pads are removeable for cleaning/ replacement (see page 22) |
| Chair Weight | 280-350 lbs. (125-156 kg.) |

| OPTIONS | |
|---|---|
| Foot Control | See page 13 |
| Arm Rests | See page 16 |
| Side Rails | See page 16 |
| Battery Backup | See Page 19 |

| ACCESSORIES | |
|---|---|
| T-Rail | See page 19 |
| Headrest w/platform | See Page 20 |
| Face Rest | See page 20 |

# MODEL 3050 PROCEDURE CHAIR




| STANDARD SPECIFICATIONS | |
|---|---|
| Motion 1 | Electric 19”-33” (48.3-83.8 cm.) Height Range |
| Motion 2 | Electric +15º Trendelenburg/ -21º Reverse Trend with pause at level |
| Motion 3 | Electric 0-75º Fowler Backrest |
| Motion 4 | Electric 0-90º Leg Rest |
| Hand Control | All powered motions with 2 preset and 2 memory positions (see page 13) |
| Armrests | 4” (10 cm.) wide X 18” (46 cm.) long (see page 16) |
| Paper Roll Holder | Up to 18” (45.7 cm.) rolls (not included) (see page 15) |
| Mobility System | Electronically activated caster system (see page 15) |
| Voltage | 120V/60Hz or 230V/50Hz |
| Load Capacity | 550 lbs. (250 kg.) (total weight of patient and accessories) |
| Width | 26” (66 cm.) |
| Length | Backrest – 25” (63 cm.), Seat – 24” (61 cm.), Leg Rest – 11” (28 cm.)<br>Overall Length – 61” (155cm), Including headrest – up to 76” (193 cm.) |
| Padding | 2.5” (6.5 cm.) Comfort Foam™, all pads are removeable for cleaning/ replacement (see page 22) |
| Headrest | 11” (28cm) long X 13” (33cm) wide with adjustable platform (see page 20) |
| Weight | 280-350 lbs. (125-156 kg.) |

| OPTIONS | |
|---|---|
| Foot Control | See page 13 |
| Battery Backup | See Page 19 |

| ACCESSORIES | |
|---|---|
| T-Rail | See page 19 |
| Face Rest | See page 20 |

# MODEL 3100 PROCEDURE CHAIR


| STANDARD SPECIFICATIONS | |
|---|---|
| Motion 1 | Electric 19”-33” (48.3-83.8 cm.) Height Range |
| Motion 2 | Electric +15º Trendelenburg/ -21º Reverse Trend with pause at level |
| Motion 3 | Electric 0-75º Fowler Backrest |
| Motion 4 | Electric 0-90º Leg Rest |
| Hand Control | All powered motions with 2 preset and 2 memory positions (see page 13) |
| Foot Control | All powered motions (see page 13) |
| Paper Roll Holder | Up to 18” (45.7 cm.) rolls (not included) (see page 15) |
| Stirrups | Stow away under the seat, adjustable and retractable (see page 17) |
| Mobility System | Electronically activated caster system |
| Voltage | 120V/60Hz or 230V/50Hz |
| Load Capacity | 550 lbs. (250 kg.) (total weight of patient and accessories) |
| Width | 26” (66 cm.), Leg Rest – 19” (48 cm.) |
| Length | Backrest – 25” (63 cm.), Seat – 24” (61 cm.), Leg Rest – 11” (28 cm.)<br>Overall Length – 61” (155cm), Including headrest – up to 76” (193 cm.) |
| Padding | 2.5” (6.5 cm.) Comfort Foam™, all pads are removeable for cleaning/ replacement (see page 22) |
| Headrest | 11” (28cm) long X 13” (33cm) wide with adjustable platform (see page 20) |
| Weight | 280-350 lbs. (125-156 kg.) |

| OPTIONS | |
|---|---|
| Arm Rests | See page 16 |
| Side Rails | See page 16 |
| Procedure Tray | See page 18 |
| Battery Backup | See Page 19 |

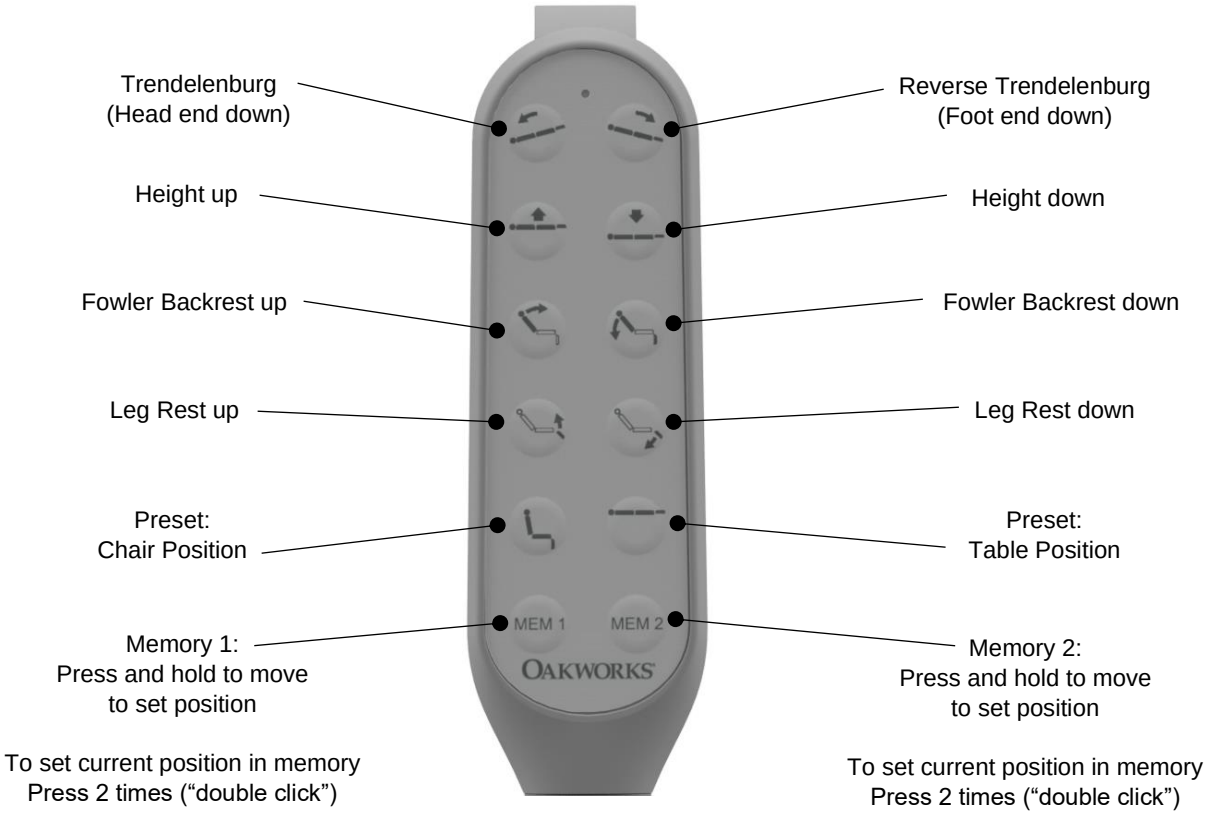
| ACCESSORIES | |
|---|---|
| T-Rail | See page 19 |
| Face Rest | See page 20 |

# PROCEDURE CHAIR CONTROLS (ALL MODELS)

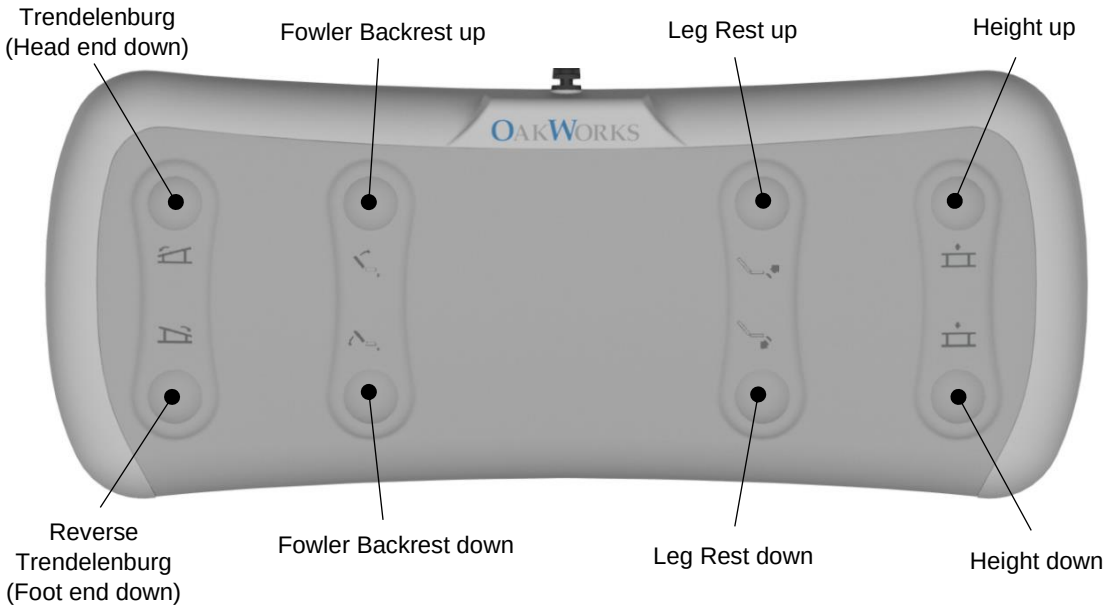
**CAUTION**

Do not sit on the Fowler Backrest or Leg Rest sections**.**
Do not leave the patient unattended**.**
When lowering the chair or using the Trendelenburg functions, make sure there is nothing underneath that can impede motion**.**

**Hand Control Operation:** Press and hold the corresponding button to adjust chair motions indicated.




**Foot Control Operation (option):** Press and hold the corresponding button to adjust chair motions indicated.



# FEATURES, OPTIONS AND ACCESSORIES

| FEATURES, OPTIONS AND ACCESSORIES MATRIX | | | |
|---|---|---|---|
| ✓= Standard<br>○= Optional<br>○✶= Optional Armrests or Side Rails, not both<br>×= Not Available<br>A=Accessory | Model 3000 | Model 3050 | Model 3100 |
| Electric Height Range | ✓ | ✓ | ✓ |
| Electric Trendelenburg/ Reverse | ✓ | ✓ | ✓ |
| Electric Fowler Backrest | ✓ | ✓ | ✓ |
| Electric Leg Rest | ✓ | ✓ | ✓ |
| Hand Control | ✓ | ✓ | ✓ |
| Foot Control | ○ | ○ | ✓ |
| Head Rest with adjustable platform | A | ✓ | ✓ |
| Mobility System (page 15) | × | ✓ | ✓ |
| Arm Rests (page 16) | ○✶ | ✓ | ○✶ |
| Side Rails (page 16) | ○✶ | × | ○✶ |
| Stirrups (page 17) | × | × | ✓ |
| Procedure Tray (page 18) | × | × | ○ |
| Battery Backup (Page 19) | ○ | ○ | ○ |
| T-Rail (page 19) | A | A | A |
| Face Rest (page 20) | A | A | A |

## TOP PADS

Upholstered Top pads can be removed for cleaning or replacement. First, remove the paper cutting strap. Pull up around the edges of the pad to remove. Pads are held in place with hook and loop (Velcro®) fasteners.

## PAPER ROLL HOLDER

To load paper, pull down on the 2 support arms located on the underside of the Fowler Backrest and rotate to the vertical position.

Insert the rod through the paper roll and place the rod into the indents in the support arms.

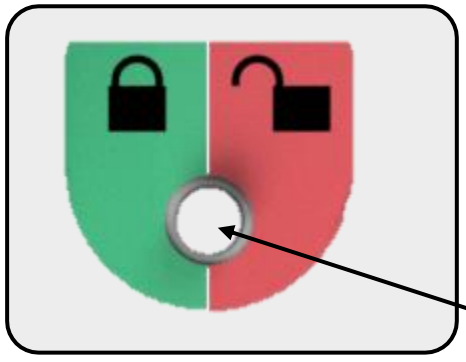
Pull paper over top and thread through the paper cutter strap. After each use pull the paper through the strap and tear off used portion.

Note: the paper cutter strap can be adjusted with hook and loop fastener under the top

## MOBILITY SYSTEM

**CAUTION** The Mobility System is intended to be used with the chair unloaded. Do not activate the casters with a Patient on the chair.

The Mobility System is an electronically activated retractable caster system which allows the chair to be moved around easily from its location on the floor for cleaning or relocation of the chair.




The button to activate/deactivate the Mobility system is located on the base, on the right side at the head end of the chair. Press the button once with your foot to activate or de-activate the casters. The chair will rise slightly as the casters are activated. When the caster are activated all other motion functions are locked.

## ARM RESTS

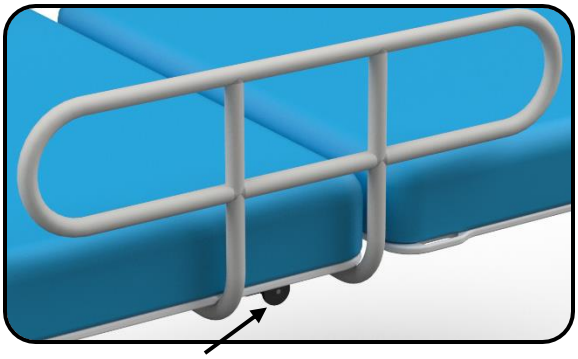
**CAUTION** Do not put excessive weight or pressure on the Arm Rest. Maximum weight rating 30 lbs (13 kg).


To fold Arm Rests up or down, pull firmly on the knob below the top to unlock. Arm Rests lock in the up or down position. Be sure the Arm Rest is securely locked in place before use.

To rotate Arm Rests, pull firmly on the knob below the Arm Rest to unlock. Arm Rests lock in three angular positions and rotate freely all the way out to facilitate patient access. Be sure the Arm Rest is securely locked in place before use.

## SIDE RAILS

**CAUTION** Do not put excessive weight or pressure on the Side Rails.

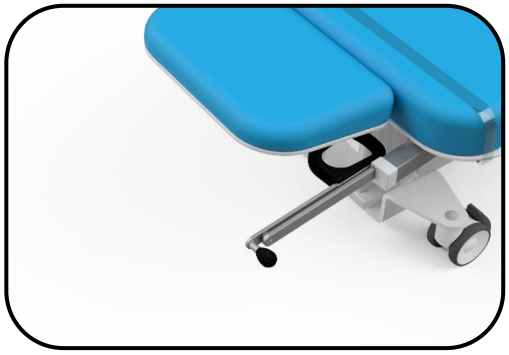


To fold Side Rails up or down, pull firmly on the knob below the top to unlock. Side Rails lock in the up or down position. Be sure the side rail is securely locked in place before use.

# STIRRUPS

**CAUTION**

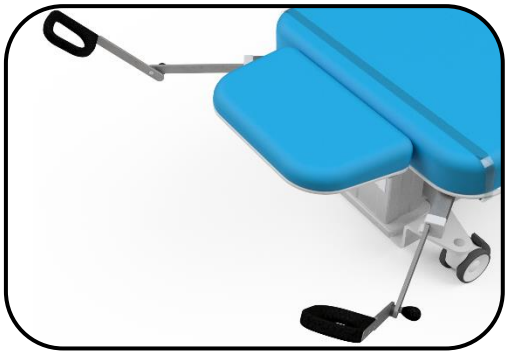
Pinch Point- Keep fingers away.
Maximum weight rating 102 lbs (46 kg) each.



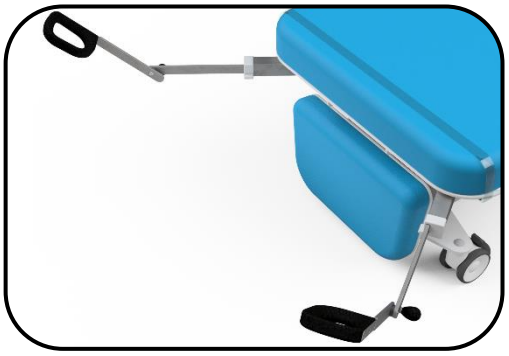
Grasp the black handle and pull stirrup straight out all the way.

Rotate the stirrup out to clear the Leg Rest (if applicable).

Unfold the stirrup arm.



Adjust length and angle of stirrup for patient comfort.

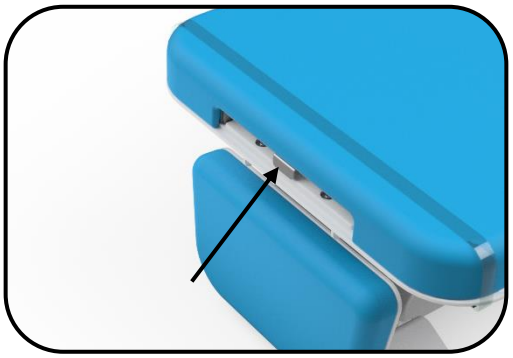


Lower the Leg Rest of the chair

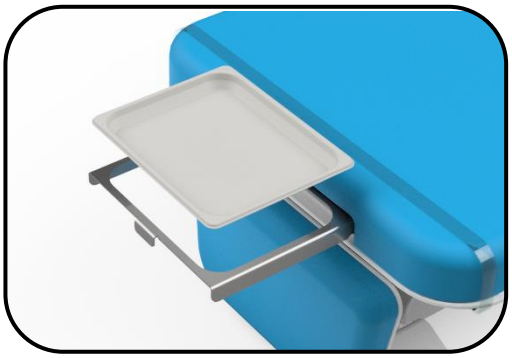
# PROCEDURE TRAY

**CAUTION**

Make sure the Leg Rest is fully lowered before using the procedure tray. Do not sit or push on the Procedure Tray when it is extended from the seat.
Maximum weight rating 15 lbs (7 kg).



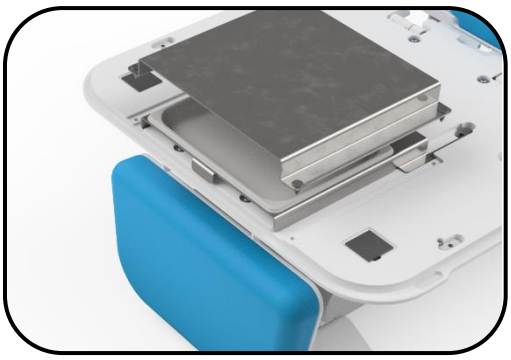
Slide the tray drawer out by pulling on the tab in the center.



The tray can be removed from the drawer for cleaning.

The drawer assembly is removeable for cleaning.

Remove the paper cutter strap and pull up on the pad around the edges. (See pad removal instructions on page 24)

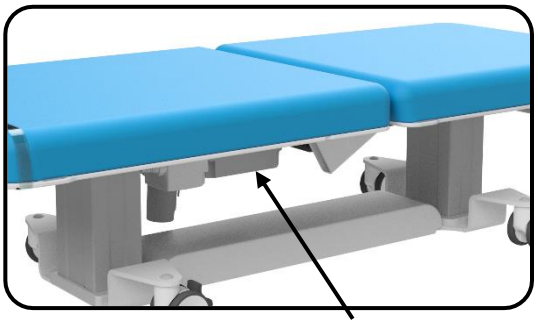


Pull up on the tray cover- it is held in place by four friction-fit pins.

Slide the tray drawer forward and lift it off the seat platform to clean underneath.

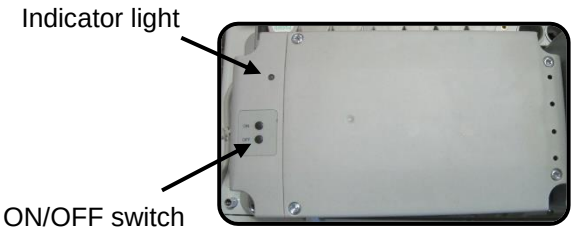
## BATTERY BACKUP

The Battery Backup system is designed to automatically deliver power to the chair if A/C power is lost. Once A/C power is restored the battery will automatically recharge. The Battery has an ON/OFF switch located under the top. This is used to disconnect the battery for long term storage or for servicing. Press the ON or OFF buttons for 3 seconds to activate.



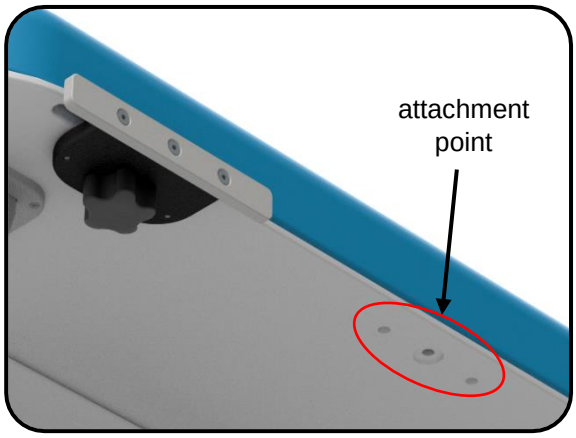
Battery location

Battery as seen from under the seat




## T-RAIL ACCESSORY

The T-Rail allows use of common medical accessories such as IV poles etc. to be used.




Thread the T-rail knob into any of the four attachment points on the underside of the top.

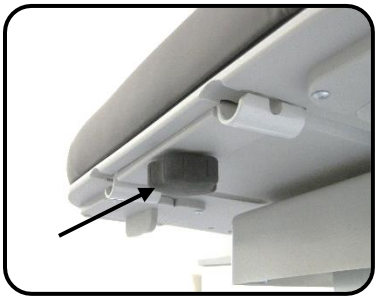

Attach common medical accessories to the T-rail. Maximum load 100 lbs. (45 kg.)

# HEADREST / FACE REST

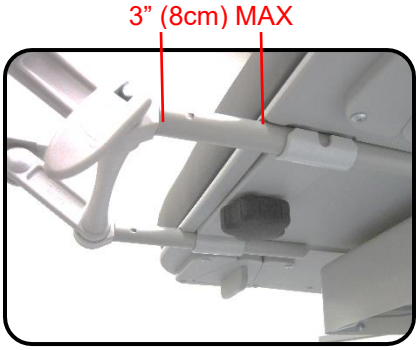
**CAUTION**

Do not put excessive weight or pressure on the Headrest / Face Rest Platform. Do not extend the dowels of the Headrest / Face Rest Platform more than 3” (8 cm) from the end of the top. Maximum weight rating 30 lbs (13 kg).

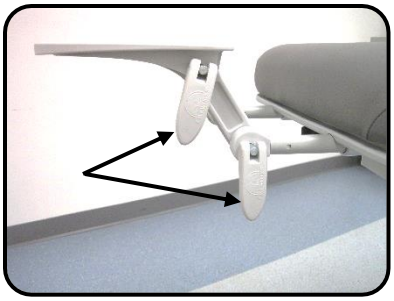
The Quick Lock Platform is used with the headrest for seated and supine positioning, and with the Face Rest for prone positioning. It can easily be adjusted to a wide range of heights and angles using the two cam locks located on the side, and the clamp on the backrest underneath.



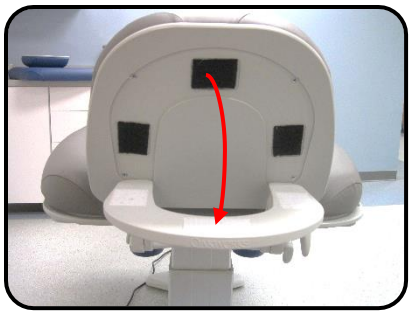
Loosen the clamp knob on the backrest.




Insert the platform dowels into the clamp to the desired length. Tighten the clamp knob.



Loosen the cam locks and adjust platform to the desired height and angle. Tighten the cam



Align the headrest with the platform and press in place.

Use Headrest for chair and supine positioning

Use Face Rest for prone positioning

## INSTALLATION

All chairs come completely assembled and ready to use. Plug the cord into a functioning outlet that is rated for the chair. (see Grounding below).

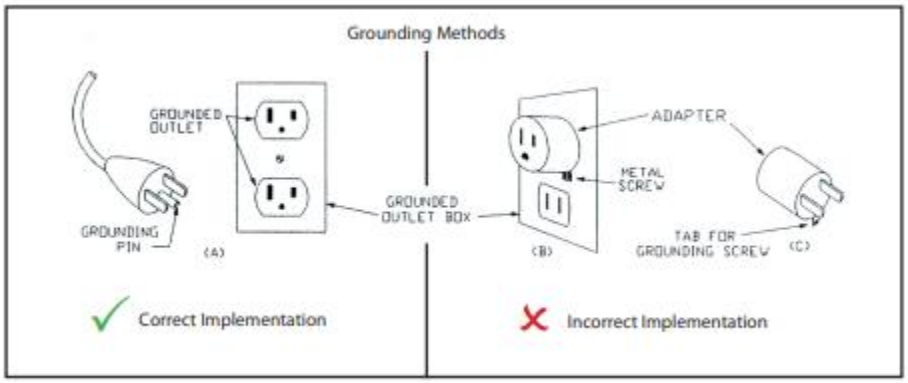
Arrange the power cord and control cords so that they will not create a tripping hazard and where the controls are located to your liking and are conveniently accessible.

Be sure access to plug is not blocked for disconnecting the chair from power.

# GROUNDING

**DANGER** **Risk of Electric Shock**- Connect this furnishing to a properly grounded outlet only.

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




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

# RESET PROCEDURE


If any electrically actuated motion appears to be malfunctioning, reset the control box using the following method.

1. On the handset, press both the Height Up and Height Down button simultaneously and hold. The programmed chair reset sequence will begin to move all actuators to fully retracted positions.

2. Continue to hold the buttons until all actuators are fully retracted and the LED blinks 3 times.

## RECOMMENDED CLEANERS/DISINFECTANTS

**DANGER**

To reduce the risk of electric shock, always unplug this furnishing from the electrical outlet before cleaning.

Reference the Recommended Cleaners and Disinfectant list (MMINML0008-EN) that came with the chair. This information can also be found at www.oakworksmed.com under product information.

All cleaners and disinfectants have the ability to degrade the upholstery to some extent. However, following the recommended cleaner and disinfectant list and cleaning process will provide the best care for your chair and support a long product life.

OAKWORKS® recommends a prepackaged wipe for cleaners/disinfectants to ensure best distribution of disinfectant for the required kill time, without leaving excess residue and/or overexposing components therefore minimizing the potential for damage to materials. Please read and follow disinfectants manufacturers' directions for cleaning and disinfection.

OAKWORKS® does NOT recommend the use of cleaners/disinfectants containing Hydrogen Peroxide, Acetic Acid, or Phenolics. These chemicals can cause damage to the appearance and/or material integrity of various components. Also, while the recommended cleaners/disinfectants list includes products containing Quaternary Ammonium compounds (“quats”), not all products containing quats are approved for use. Some contain additional detergents and/or surfactants which can damage some materials.

**Use of non-approved cleaners or disinfectants may lead to damage to upholstery and other materials found on the chair and will void the warranty.**

## CLEANING PROCESS

Follow the cleaners/disinfectant manufacturers' directions for use. Please note that cleaning and disinfecting an OAKWORKS® chair is a two part process. First it must be cleaned of any visible soil, then it can be disinfected. OAKWORKS® recommends that the chair be positioned in the flat position during the cleaning process. Please follow this procedure for best results:

1. Using an approved cleaner or mild liquid soap and water, clean any visible soil off of the chair, working from the top to the bottom of the chair. It is recommended that the upholstery be cleaned at least once a week to prevent disinfectant build up.

2. Rinse with clean water and dry with a clean cloth or towel.

3. Using an approved disinfectant, thoroughly disinfectant all surfaces of the top and any high-contact areas such as handles, handsets, etc., making sure they remain wet for the disinfectant manufacturer's recommended contact time. Do not allow disinfectant to pool on the upholstery after the recommended contact time.

4. Wipe off any excess liquid with a cloth or towel and clean water.

5. Dry all surfaces with a clean cloth or towel.

Avoid using writing instruments or other similar instruments around the upholstery as it can cause permanent staining. If this does occur, do not wipe with an alcohol based cleaner. Instead, blot the stain with a clean cloth/ paper towel. Use a recommended cleaner or disinfectant to remove the stain. Follow this with a rinse of clean water.

## INSPECTIONS

RECOMMENDED REGULAR INSPECTIONS (monthly or local standard)

- Check for damage to the power, hand control(s) and foot control(s) on all cables.
- Visually inspect components for obvious damage that could cause problems during operation.

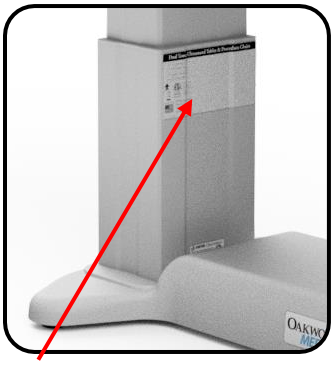
RECOMMENDED PERIODIC INSPECTIONS (yearly or local standard)

- Check for damage to the power, hand controls and foot control cables and all visible wiring.
- Visually inspect components for obvious damage that could cause problems during operation.
- Check all mechanical functions using the hand control. Repeat using the foot control (if available). Listen for abnormal noises.
- Check that all fasteners are present and fastened securely.
- Check chair grounding.
- Clean unusual buildup of dirt on the chair and/or parts of the chair not normally cleaned on a regular basis.
- Check for tears or cracks in the upholstery.

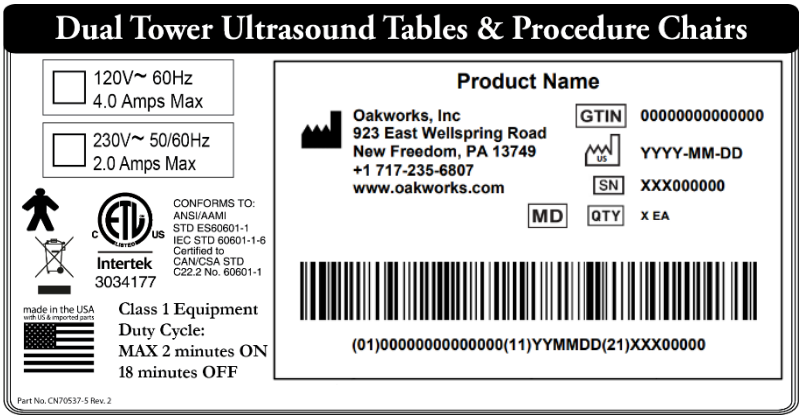
## WARRANTY

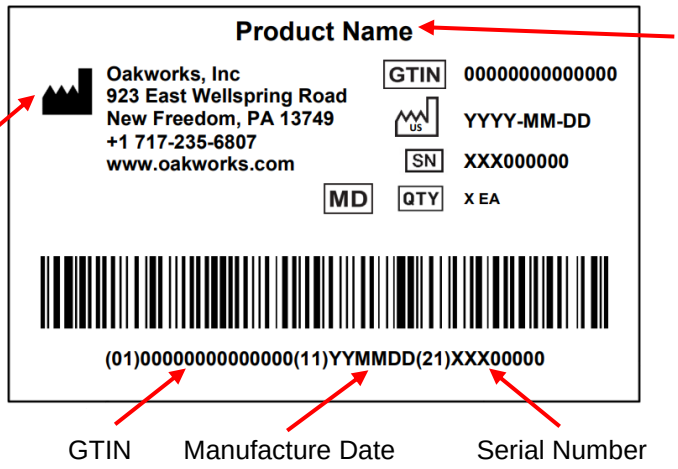
View complete warranty details at www.oakworksmed.com under the “INFO” tab, “Warranty and Return Policy”.

## UNIQUE DEVICE IDENTIFICATION (UDI) INFORMATION



The UDI Label is under a clear window of the Product Label, located on the foot end column.




Unique Device Information:

- GTIN – 14 digit number unique for each variation of a model
- Manufacture Date – Country of manufacture and date the device goes into production in YYYY-MM-DD format
- SN – Serial Number
- MD – Medical Device Symbol
- QTY – Quantity of the product

# SPECIFICATIONS

| PRODUCT SPECIFICATIONS | |
|---|---|
| Weight | 280-350 lbs. (125-156 kg.) |
| Shipping Weight | 375-445 lbs. (169-198 kg.) |
| Lifting capacity | 550lbs. (250 kg.) |

| ENVIRONMENTAL CONDITIONS | | | |
|---|---|---|---|
| CONDITIONS | TEMPERATURE | HUMIDITY | ATMOSPHERIC PRESSURE |
| Normal Use | 50° (10°C) to 104° (40°C) | 20% to 60% RH | 98 to 105 kPa |
| Storage & Transport | -20° (-29°C) to 135° (57°C) | 20% to 95% RH | 98 to 105 kPa |

| ELECTRICAL SPECIFICATIONS | | |
|---|---|---|
| DESIGNED FOR: | NORTH AMERICA | EUROPE |
| Input Service | 120 VAC/15 amp/60 Hz | 230 VAC/10 amp/50/60 Hz |
| Maximum Momentary Current Consumption | 4.0 amps | 2.0 amps |
| Voltage Output to Actuators | 24 VDC | 24 VDC |
| Electric Shock Protection | Class 1 Equipment | Class 1 Equipment |
| Applied Part |  Type B Applied Part |  Type B Applied Part |
| Ingress Protection Rating | IPX0 | IPX0 |
| Mode of Operation | Intermittent Operation<br>MAX 2 minutes ON<br>18 minutes off | Intermittent Operation<br>MAX 2 minutes ON<br>18 minutes off |

## GUIDANCE AND MANUFACTURER'S DECLARATION – ELECTROMAGNETIC EMISSIONS

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

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

## RECOMMENDED SEPARATION DISTANCES BETWEEN PORTABLE AND MOBILE RF COMMUNICATIONS EQUIPMENT AND THE CHAIR

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

| Rated maximum output power of transmitter<br><br>W | Separation distance according to frequency of transmitter (m) | | |
|---|---|---|---|
| | 150 kHz to 80 MHz<br><br>$d = 1.2 \sqrt{P}$ | 80 MHz to 800 MHz<br><br>$d = 1.2 \sqrt{P}$ | 800 MHz to 2.5 GHz<br><br>$d = 2.3 \sqrt{P}$ |
| 0.01 | 0.12 | 0.12 | 0.23 |
| 0.1 | 0.38 | 0.37 | 0.73 |
| 1 | 1.2 | 1.2 | 2.3 |
| 10 | 3.8 | 3.8 | 7.3 |
| 100 | 12 | 12 | 23 |

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

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

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

| GUIDANCE AND MANUFACTURER'S DECLARATION – ELECTROMAGNETIC IMMUNITY | | | |
|---|---|---|---|
| The chair is intended for use in the electromagnetic environment specified below. The customer or the user of the chair should assure that it is used in such an environment. | | | |
| Immunity Test | IEC 60601 Test Level | Compliance Level | Electromagnetic environment - guidance |
| Electrostatic discharge (ESD)<br><br>IEC 61000-4-2 | ±8 kV contact<br><br>±15 kV air | ±8 kV contact<br><br>±15 kV air | Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %. |
| Electrical fast transient/ burst<br><br>IEC 61000-4-4 | ±2 kV for power supply lines<br><br>±1 kV for input/output lines | ±2 kV for power supply lines<br>Not applicable | Mains power quality should be that of a typical commercial or hospital environment. |
| Surge<br><br>IEC 61000-4-5 | ±1 kV line(s) to line(s)<br><br>±2 kV line(s) to earth | ±1 kV line(s) to line(s)<br><br>±2 kV line(s) to earth | Mains power quality should be that of a typical commercial or hospital environment. |
| Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11 | <5 % UT<br>(>95% dip in UT)<br>For 0,5 cycle<br><br>40 % UT<br>(60% dip in UT)<br>For 5 cycles<br><br>70 % UT<br>(30% dip in UT)<br>For 25 cycles<br><br><5 % UT<br>(>95 % dip in UT)<br>For 5 sec | <5 % UT<br>(>95% dip in UT)<br>For 0,5 cycle<br><br>40 % UT<br>(60% dip in UT)<br>For 5 cycles<br><br>70 % UT<br>(30% dip in UT)<br>For 25 cycles<br><br><5 % UT<br>(>95 % dip in UT)<br>For 5 sec | Mains power quality should be that of a typical commercial or hospital environment. If the user of the chair requires continued operation during power mains interruptions, it is recommended that the chair be powered from an uninterruptible power supply or a battery |
| Power frequency (50/60 Hz) magnetic field IEC 61000-4-8 | 30 A / m | 30 A / m | Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment. |
| NOTE UT is the a.c. mains voltage prior to application of the test level. | | | |

| GUIDANCE AND MANUFACTURER'S DECLARATION – ELECTROMAGNETIC IMMUNITY | | | |
|---|---|---|---|
| The chair is intended for use in the electromagnetic environment specified below. The customer or the user of the chair should assure that it is used in such an environment. | | | |
| Immunity Test | IEC 60601 Test Level | Compliance Level | Electromagnetic environment - guidance |
| Conducted RF IEC 61000-4-6<br><br>Radiated RF IEC 61000-4-3 | 3 Vrms 150 kHz to 80 MHz<br><br>10 V/m 80 MHz to 2,7 GHz | 3 Vrms<br><br>10 V/m | Portable and mobile RF communications equipment should be used no closer to any part of the chair, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance d = 1.2 √ P d = 1.2 √ P 80 MHz to 800 MHz d = 2.3 √ P 800 MHz to 2,5 GHz Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as deter-mined by an electromagnetic site survey, should be less than the compliance level in each frequency range. b Interference may occur in the vicinity of equipment marked with the following symbol:  |
| Power frequency (50/60 Hz) magnetic field IEC 61000-4-8 | 30 A / m | 30 A / m | Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment. |
| NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.<br>NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people. | | | |
| a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the chair is used exceeds the applicable RF compliance level above, the chair should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the chair. Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m. | | | |

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OAKWORKS®

# 3000 Series Procedure Chair

## CONTACT INFORMATION:

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Prinsessegracht 20
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The Netherlands

CE MD

Intertek
3034177

CONFORMS TO:
ANSI/AAMI STD ES60601-1
IEC STD 60601-1 3RD EDITION
IEC STD 60601-1-2 4TH EDITION
IEC STD 60601-1-6 3RD EDITION
IEC STD 60601-2-32
CERTIFIED TO CAN/CSA STD C22.2 NO. 60601-1
CB TEST CERTIFICATE AND REPORT

FCC Rules and Regulations, Title 47, Part 15, Subpart B, Class A. Unintentional Radiators.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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

Manual Part Number: Med-RA-PM-165

Revision level: 3

Revision Date: 02/14/2023

English, Printed in USA

made in the USA

OAKWORKS® MEDICAL PRODUCTS