



Operating Instructions

Gharieni MLX Treatment Bed



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Safety instructions

You will find the following safety instructions in this manual:



Danger of electric current!

Make sure that the power outlet for the device is earthed properly and has the right voltage (230V - 50Hz). Never let the electric system or individual electric components come into contact with water. Check the cables at regular intervals and contact our Customer Service Department if any damage is found.



Note! If this safety instruction is not observed, the user's safety is endangered and the device may be damaged.



Do not dispose of this product as regular domestic waste at the end of its lifecycle, but hand it in to a collection site for the recycling of electronic and electrical devices. Do not remove this symbol from the product.



Hints and tips for use.

General

Dear Customer,

Congratulations on buying this high-quality product and thank you for your trust in our company and our products. We can assure you that you have made an excellent choice. Make sure that you read these operating instructions before first using this device. Reading these operating instructions is crucial to enable the proper and responsible use of the device and it will help you to obtain optimum satisfaction from using your newly acquired product. These beds are very robust and built for a long service life, provided that they are used properly.

It is absolutely vital that you read these instructions carefully and only use the unit as instructed here. This will protect both your own and your customers' safety.

Always keep the manual available near the bed!

Note! If this safety instruction is not observed, the user's safety is endangered and the device may be damaged!



Keep children away from the bed.



Disable the bed movements when the bed is not in use.

Intended use

The Gharieni MLX is a versatile wellness treatment bed. It can be used for various treatments in dry rooms, including cosmetics treatments or full-body massages.

Before first use

Before first use make sure that all parts are available and that they are not visibly damaged. Before installing the bed make sure that sufficient space has been planned for the bed (see the fig. Space required).

Specifications

The load-bearing capacity of the Gharieni MLX is 180 kg. All adjustments of the treatment bed are motorised; the bed has four electric motors for this purpose. You can order the MLX with hand switch, infrared switch or foot switch operation. Only one of these options forms a part of the standard scope of delivery. You can order the other switches as extra options. The hand switch enables you to quickly and comfortably adjust the right height, inclination, backrest and leg rest positions. You can use the memory functions on the hand switches (M1, M2, M3, M4, M5, M6, M7 and M8) to store the 4 positions you use the most to memory positions and to call them up. You can always change and save them autonomously (see Memory function). Only two memory functions (F1, F2) can be stored and called up using the foot switch.

1. Unpacking

The beds are delivered to customers on special pallets and in boxes in some countries. The bed is then fully horizontal and the upholstery is already in place.

2. Rolling assistance

Four removable legs with rollers can be used to transport the bed on level surfaces. The four legs must be fitted as shown in the drawing (fig. p.16).



The bed will roll away on a slanting surface. You must secure it. Unplug the mains lead.



Models fitted with Thermo and/or Vibro have cables between the upholstery and the metal frame. In that case the upholstery must only be removed by authorised personnel.

3. Settings

3.1 Height

The height of the Gharieni MLX can be adjusted from approx. 59 cm to approx. 100 cm.

The access height is the lowest seat height. It is approx. 59 cm. This height enables the customer to comfortably take their place on the bed from its side.

The height adjustment is operated electrically. Press the relevant function key in the hand switch, infrared switch or foot switch.

The two columns can be controlled independently of each other so that the person on the bed can be placed in the Trendelenburg position (see fig.1).



Fig.1

The headrest cushion has a nose slit for back massages. The cover is easy to remove (see fig. 2). To give the user more leg room, the frame at the headrest can be folded away quite easily (see fig.3).



Fig.2

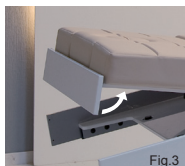


Fig.3

3.2 Armrests

The armrests (see fig.4) can be removed quite easily.

This feature makes the bed optimally suited to back massages.



Fig.4

3.3 Backrest

This is also adjusted electrically. The backrest position can be adjusted from 0° to 75° by means of the relevant key on the hand, infrared or foot switch.



When you stop using the bed, return the backrest to its horizontal position so that the mattress will retain its original shape.

3.4 Leg rest

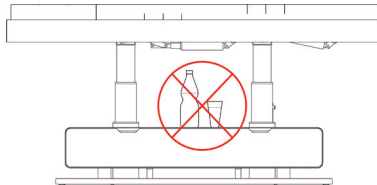
The thigh area inclination is also adjusted electrically. It covers the complete thigh area to the knee joint and it can comfortably be adjusted from 0° to 25° by means of the relevant key on the hand, infrared or foot switch.

3.5 Inclination - Trendelenburg/Anti-Trendelenburg

Press the corresponding row of keys on the hand switch to adjust the lying surface inclination in the required direction to up to $\pm 16^\circ$. To prevent it colliding with the base in the lower position, the bed will automatically move up.

When changing over from Trendelenburg to Anti-Trendelenburg the bed will stop in the horizontal position for one second. If you continue to hold the key pressed down, the bed will move further.

Danger of collision:



3.6 Hand switch for MLX

The hand switch (see fig.5) can be used to control the electrically operated functions. The four motors can be adjusted individually by simply pressing a key on the first function level. In addition, you can save and call up a maximum of four memory positions on the second function level. There are 12 keys on the hand switch. The upper eight have two function levels. Level 1 (black letters) is used to adjust the motors. Level 2 (grey letters) programming/calling up the memory positions. The lower keys are the Disable key; Shift key; Start key; Memory key. You can use the Shift key to change from level 1 to level 2 and back. The Start key returns the MLX to its home position (all drives retracted). This cannot be changed. You can use the Memory key to program any positions of your choice on the target keys M1-M8. The Disable key (only in level 1) disables or enables the hand switch. For reasons of safety, the treatment bed will only move for as long as you press a key on the hand switch. The movement is stopped immediately when you release the key.



Fig.5

Memory function:

You can use the memory function to save a maximum of 8 frequently used positions using keys M1 to M8 on the hand switch (level 2)



If you do not use these keys, you assign the bed a memory position where the mattress is in a horizontal position (home position).

Saving bed positions:

Set the position of your choice (on level 1). Then press the Shift key (to change levels to level 2), and then the Memory key and finally the relevant target key (M1 – M8). You will hear a confirmation tone if the position has been successfully saved to the memory.

Accessing memory positions:

Press the Shift key (to change levels to level 2) to access the relevant bed position and then the corresponding Memory key (M1 – M8).

Disabling function when using the hand switch

The bed has a disabling function to prevent unauthorised use.

Disabling the bed

To disable the bed, press and hold the Lock key for three seconds until you hear a confirmation tone. The bed operation has now been disabled.

Enabling the bed

To enable the bed, press the Shift key and then press the Lock key while still holding the Shift key. Hold this key combination for approx. three seconds until you hear two confirmation tones.



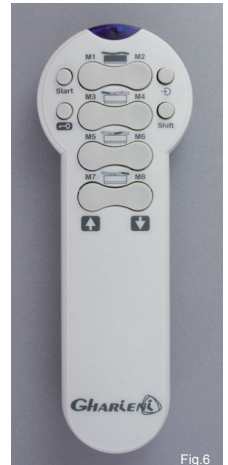
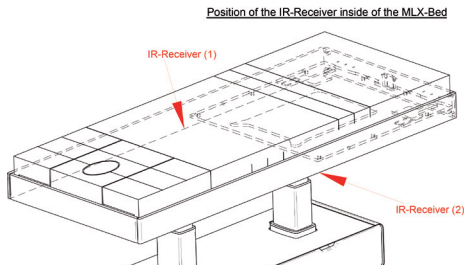
In general:

For reasons of safety, the treatment bed will only move for as long as you press a key on the hand switch. The movement is stopped immediately when you release the key.

3.8 Infrared hand switch for MLX

The infrared hand switch (see fig.6) can be used to control the electrically operated functions. The four motors can be adjusted individually by simply pressing a key. In addition, you can save and call up a maximum of eight memory positions.

For reasons of safety, the treatment bed will only move for as long as you press a key on the hand switch. The movement is stopped immediately when you release the key.



Operation

The individual functions (height, backrest, inclination and leg rest) are operated electrically. Press the corresponding function key on the hand switch to enable a function while aiming the hand switch at the receiver.

Memory function

You can use the memory function to save a maximum of 8 frequently used positions using keys M1 to M8 on the infrared hand switch.

Saving bed positions

Set the required position.

Then press the Shift key **[Shift]**, and then the Memory key and finally the relevant target key (M1 – M8). You will hear a confirmation tone if the position has been successfully saved to the memory. Press the Shift key to return to level 1.

Accessing memory positions

Press the Shift key **[Shift]** (level 2) to access the relevant bed position and then the corresponding Memory key (M1 – M8).

Disabling function when using the IR hand switch

The bed has a disabling function to prevent unauthorised use.

Disabling the bed

To disable the bed, press and hold the Lock key for three seconds until you hear a confirmation tone. The bed operation has been disabled now.

Enabling the bed

To enable the bed, press and hold the Shift key [Shift] for two seconds, release it and then immediately and press and hold the Lock key for two seconds until you hear the confirmation tone. You can now use all bed functions again.

3.9 Foot switch

The foot switch (see fig. 7) can be connected as an option, in addition to the hand switch or the infrared hand switch. It consists of right and left foot switches that are interconnected by an electronic unit (see fig.8) housing LEDs A1, A2, A3, A4, A5 and A6. (A6 = memory key, A4 = leg motor (A5 has no function on the MLX), A1 = height adjustment motor, A2 = backrest motor, A3 = inclination motor.) The motor functions (height adjustment, backrest, inclination, leg) A1, A2, A3 and A4 on the foot electronics are controlled using the R2 key on the right-hand foot switch. The R1 key is used to drive the functions into the other direction and is also used as a memory key (only if the LED A6 is lit up). You can extend or retract the relevant motors using the L1 and L2 keys on the left-hand foot switch. Observe the indications „Up“ and „Down“ for the directions of movement. Two of the eight memory positions (M1 and M2) can be called up using the left-hand foot switch by pressing the R2 key on the right-hand foot switch until the LED A6 lights up. Now the L1 key corresponds to memory position M1 and L2 to memory position M2.

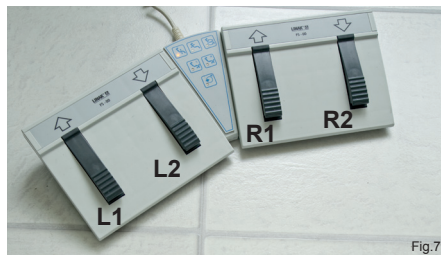


Fig.7

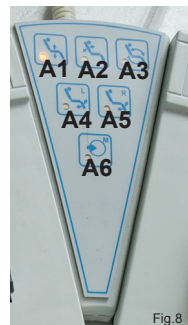


Fig.8

Saving bed positions:

Set the required position

Press and hold the R2 key on the right-hand foot switch until the LED A1 lights up. Then press the R1 key. Finally select the relevant memory key L1 or L2 on the left-hand foot switch and press this until you hear the confirmation tone.

Calling up memory positions:

Press and hold the R2 key on the right-hand foot switch until the LED A1 lights up. Then press and hold the L1 or L2 key on the left-hand foot switch until the memory position is reached.

4. Initialising the software

If you notice that the originally stored position is no longer reached when you call up a position you have stored, this may be a sign that the software must be re-initialised. Proceed as follows to remedy this:

Initialising:

All drives (height adjustment, backrest, leg) must be fully extended and retracted to their end positions once. Note! This initialisation must be done by manual operation, i.e. every drive must be moved to its end position individually. Do not use any of the memory keys M1, M2, M3 M4, M5, M6, M7 or M8 (in case of hand switch control) for this step!

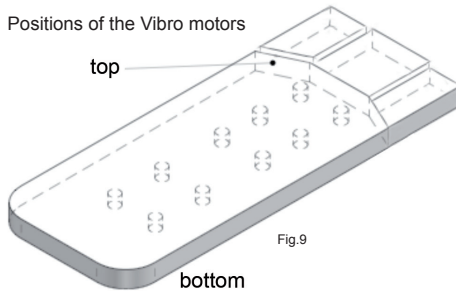
Initialisation is complete when the positions described above have been reached.

5. Options

5.1 Vibro Wellness (optional)

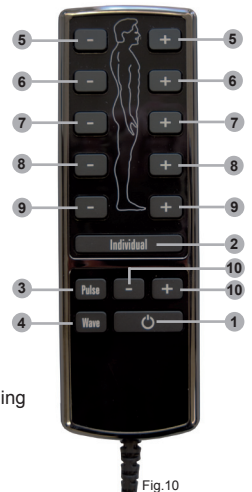
The 10 integrated motors are located in different zones (see fig.9).

The motors for the individual parts of the body can be controlled in pairs, as described below, by operating the hand switch (see fig. 10).



SAFETY INSTRUCTIONS:

- Never open the housing of the hand switch! Unauthorised opening of the housing will invalidate your rights to the guarantee.
- Do not let any liquids enter the interior of the hand switch.
- Do not allow people with pacemakers to use the massage unit since it cannot be fully ruled out that this may influence the pacemaker.



Operation: Vibro-Wellness hand switch

1 Start massage

The massage can be started using the following keys:

1.1 On / Off key (1)

When using the massage unit for the first time, select the „Individual“ setting. All massage motors will then run at their factory settings (intensity level 3; medium intensity). If the massage unit has been used before, the setting (individual, pulse or wave massage) that was used last will be started again.

1.2 Individual key (2)

When the massage unit is used for the first time, the factory setting (intensity level 3; medium intensity) is selected. If an individual setting (see point 3, individual setting) has already been made, the massage will be restarted with that setting.

1.3 Pulse message key (3)

The massage is started with the first one of three pulse message programs.

1.4 Wave message key (4)


The massage is started with the first one of three wave message programs.

1.5 Intensity keys (5) to (9)

Pressing one of these keys starts the relevant massage motor on intensity level 1. Please note: This procedure overwrites any previously made individual settings (see point 3, individual setting)!



2 End message

The message is ended automatically by a timer after 15 minutes.

To end the message before the program has run out, press the on/off key  (1).

3 Individual setting

Start the message by pressing the  key (2).

When the message unit is used for the first time, the factory setting (intensity level 3; medium intensity) is selected. You can now change the intensity of the message motors through five levels using the  and  keys (5) - (9).

verändern. The LED display indicates the intensity levels as follows:

   Level 0 (off)

   Level 1


   Level 2

   Level 3


   Level 4

   Level 5

( LED off;  LED on;  LED flashing)

Press any one of the  keys (5) - (9) once more after reaching the lowest intensity (level 1) to switch off the corresponding message motor.


The message is ended by you switching off all message motors.

You can use the  key (2) to toggle between the factory setting (intensity level 3; medium intensity) and your individual settings.

The individual settings are retained when the message is ended.


4 Pulse message

Press the  key (3) to start the message with the first one of three pulse message programs. Press the  key (3) again to start the second pulse message program.

Press the  key (3) a fourth time to start the first pulse message program again.

You can change the pulse message program speed through three levels using the



 and  keys (10).

You can change the message intensity through five levels using the  and  keys (5) - (9).

Please note: The next time you use pulse message it will start using the factory settings again!

5 Wave message

Press the  key (4) to start the message with the first one of 3 wave message programs. Press the  key (4) again to start the second wave message program. Press the  key (4) again to start the third wave message program. Press the  key (4) a fourth time to start the first wave message program again. You can change wave message program speed through three levels using the  and  keys (10).

You can change the message intensity through five levels using the  and  keys (5) - (9).

Please note

The next time you use wave message it will start using the factory settings again!

5.2 Heating (optional)

5.2.1 Heating

To increase the user's comfort, the lying surface of the treatment bed can be heated. The heating control panel (fig. 12) enables the heating power to be set in 10 levels. To quickly warm up the cold lying surface, it is heated at maximum capacity for the duration of the pre-heating time after starting. The heating parameters can be programmed and stored in the memory according to your preferences. Check the actual temperature before using the bed and disconnect the power supply to the bed if you will not be using it for some time.



Fig.11

5.2.2 Description of the control panel



Fig.12

The bed heating is operated using the four keys „on“, „off“ and „+“, „-“.

The heating capacity setting is shown by the 10-part LED bar:

Low capacity/low temperature green LEDs 1..4, medium capacity yellow LEDs 5-7 and high capacity red LEDs 8-10.



Do not use the THERMO option in the following situations: with customers who have a pacemaker, who are pregnant, who suffer from thrombosis or from pains whose cause has not been identified. Only use the option on healthy people.



Never exceed the factory settings (pre-heating time: approx. 6 minutes, treatment power level approx. 30%, 3 LEDs) when making your own settings!



If the treatment is ended prematurely, the „Off“ key on the control panel must be pressed to switch off the Smart Thermo function and avoid heat accumulating.



We recommend disconnecting the mains plug during long intervals between use.



Caution - risk of fire:

While the heating is on, the bed must not be covered by objects such as blankets, towels, clothes etc, otherwise heat may accumulate and damage the bed

5.2.3 Heating

Press the „On“ key to switch on the heating.

The programmed setting (see Programming) starts. The first step is heating automatically at the highest power for the duration of the pre-heating time (factory setting = 6 min.).

When the pre-heating time has ended, the control system switches down to the treatment setting (power = 30%) until the end of the operating time (factory setting = 60 min.).

You can press the „+“, „-“ keys to end the pre-heating time and set the temperature in 10 levels. Press the „Off“ key to switch off the heating.

5.2.4 Basic setting

The bed is delivered with the following initial settings:

Total heating duration: 60 minutes (LED number 6)
Pre-heating time: 6 minutes (LEDs 1+2)
Continuous power: 30% (LEDs 1+2+3)

5.2.5 Programming

The values for the total operating time, the pre-heating time and the heating power can be programmed.

You can access the programming mode by means of the following combination of keys:

Press and hold the „Off“ key

Press and release the „On“ key

Release the „Off“ and you access the programming step:

Setting the total heating duration

The max. heating duration can be set in 10 levels of 10 to 100 minutes. The location of the one LED that is lit - from the left to the right - indicates the level. The initial setting is 60 minutes.

For example: level 6 equals a total heating time of 60 minutes (see fig. 13):

Level 6 = 60 minutes



Fig.13

Press the „On“ key to save this value and you will then be taken to the programming step:

Setting the pre-heating time

You can recognise this programming step by the moving LED bar. Every LED that lights up extends the pre-heating time by 3 minutes. The maximum adjustable pre-heating time is 30 minutes, the basic setting is 6 min. If the heating is still hot, the pre-heating time will be shortened correspondingly when the unit is switched on again.

Press the „On“ key to save this value and you will then be taken to the programming step:

Setting the treatment power

The currently saved value is indicated by an LED bar. The number of LEDs that light up shows the heating power setting in 10% steps. The initial setting is 30%. Use the „+“, „-“ keys to set the required value and press the „On“ key to save this value.

Programming has been completed.

You can now press the „Off“ key to end programming.

5.2.6 Audio Relax (optional)

This option helps customers to fully relax and can be used to add a personal touch to treatments. Two speakers, integrated into the sides of the headrest, guarantee a pleasant sound experience without interrupting the person giving the treatment. The accompanying MP3 player is delivered with 50 minutes of relaxing music pre-recorded, but you can also load it with music of your client's or your own preference.

6. Type plate

When you are standing in front of the head end of the bed, the type plates are on the right-hand side cover and on the inside of the drawer. It must never be made illegible nor removed as this might invalidate the guarantee!!

7. Cleaning and maintenance

Clean the housing and the fittings with a damp cloth or sponge and some soap.



The mains lead to the mains socket must be checked for damage at regular intervals and, if damage is found, it must be changed by our Customer Service Department (or an electrician).

Covering the upholstery:

The standard upholstery of the Gharieni MLX is PU (polyurethane). To avoid damaging this material, special protective covers should be used. We recommend our five-part terry-cloth cover for ordinary cosmetic treatments. Massage treatments where you use relatively little oil, require the MLW protective cover of PU. This protects the upholstery against oil stains and prevents oil from penetrating the upholstery. To do ayurvedic treatments, where oil is poured over the head, you will need the special ayurveda cover with its integrated rim. The bed construction and the electric systems are only protected properly when using this version.



To clean the upholstery, first remove the mains plug. The standard upholstery of the MLX is PU (polyurethane). This material can be cleaned using a rag with some alcohol. We also use other types of upholstery at customers' requests and, in this case, we advise you to check with our customer service for cleaning instructions!

8. Guarantee provisions

Gharieni GmbH supplies all beds subject to a 3-year guarantee. Wearing parts (such as incandescent lamps, UV lamps, consumables etc.) are not covered by this guarantee. Damage or loss due to unprofessional or improper use, non-compliance with the provisions of the instructions for use and/or gross negligence is not covered by guarantee either. In addition, the guarantee is invalidated if any stickers (such as e.g. the type plate, instruction notices etc.) are removed or if appliances or parts of appliances are opened without this being explicitly allowed in the operating instructions (e.g. for cleaning).



9. Disposal

Do not dispose of this product as regular domestic waste at the end of its lifecycle, but hand it in to a collection site for the recycling of electronic and electrical devices. Do not remove this symbol from the product.



The beds consist of metal and plastic parts, electronic components and electric cables. The individual materials must be disposed of in accordance with the environmental and waste disposal regulations of the country of use. If you have any queries as regards disposal, contact the local authorities responsible for waste disposal, your dealer or:

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10. Technical data

Feature	Value
Total length/total width	approx. 204 cm / 85.4 cm
Standard width / length of the lying surface	approx. 80 cm / 200 cm
Width of the base (substructure)	approx. 60 cm / length 150 cm
Height adjustment range	approx. 59 cm to approx. 100 cm
Backrest inclination	0° to 75°
Trendelenburg / Anti-Trendelenburg positions Inclination (lying surface)	Yes; $\pm 16^\circ$
Lying surface - lift capacity (max. safe operating load)	180 kg
Leg rest inclination	0° - 25°
Backrest - lifting capacity (max. safe operating load)	75 kg
Total weight without options	approx. 185 kg
Adjusting motors with control system:	
Primary transformer output	230 V / 50 Hz / 200 VA max
Secondary transformer output	24 V =
Fuse	3 A, slow-acting
Activation duration (drive)	10% max. 2 min / 18 min
Mains lead	3 metres, straight, grey
Hand switch	Coiled cable, grey
IP category	I with heating and/or Vibro, otherwise II
Safety class against electric shock	type B
Protection against substances penetrating	IP X4
Smart Thermo option:	
Primary transformer output	230 V / 50 Hz / 120 VA max
Secondary transformer output	12 V = / 8,75 A
Primary fuses	2 A
Electrical triple airback with heating option:	
Primary transformer output	230 V / 50 Hz / 100 VA max
Secondary transformer output	12 V AC / 100VA max.
Primary fuses	1.6 A, slow acting
Vibro-Wellness option:	
Primary transformer output	230 V / 50 Hz / 120 mA max
Secondary transformer output	13.5 V = / 1 A / 13.5 VA
Fuse	1.6 A, slow-acting

Environmental conditions for storage and transport

Climate	Value
Temperature	Ambient temperature -10°C to 50°C
Air pressure	700 to 1060 hPa
Relative humidity	20% to 90% @ 30°C, non-condensing

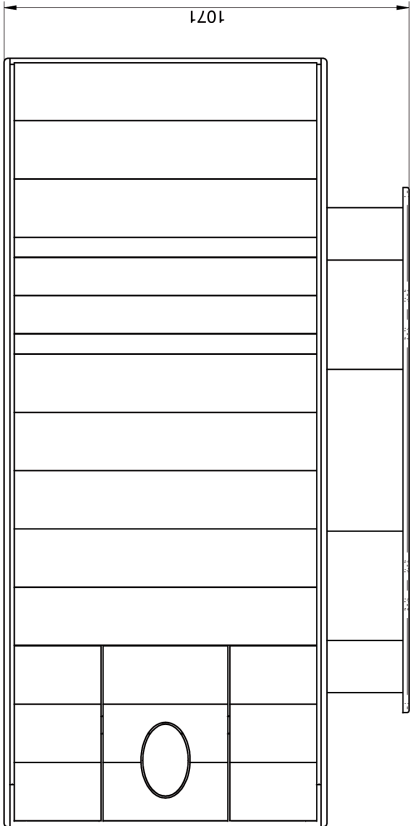
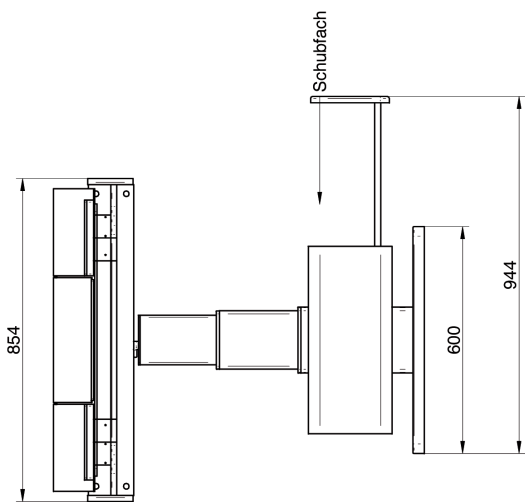
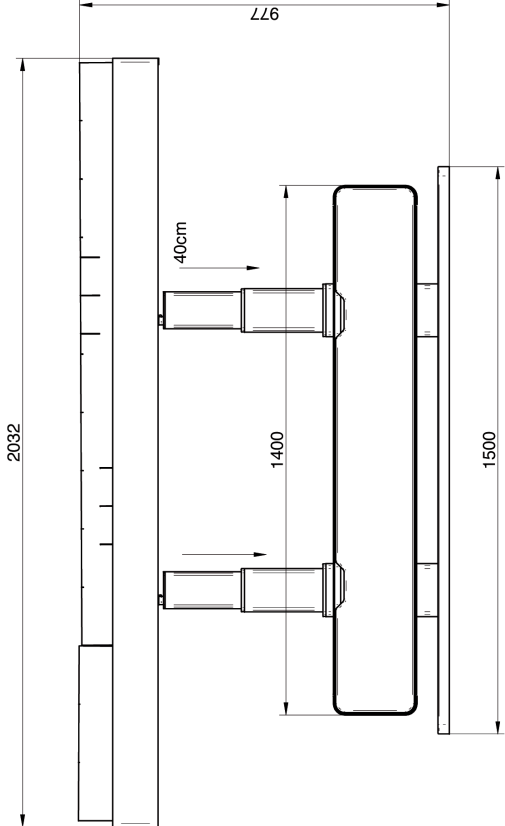
Ambient condition during use

Climate	Value
Temperature	Ambient temperature +5°C to 40°C
Air pressure	700 to 1060 hPa
Relative humidity	30% to 75% @ 30°C, non-condensing

11. Malfunctions / Causes

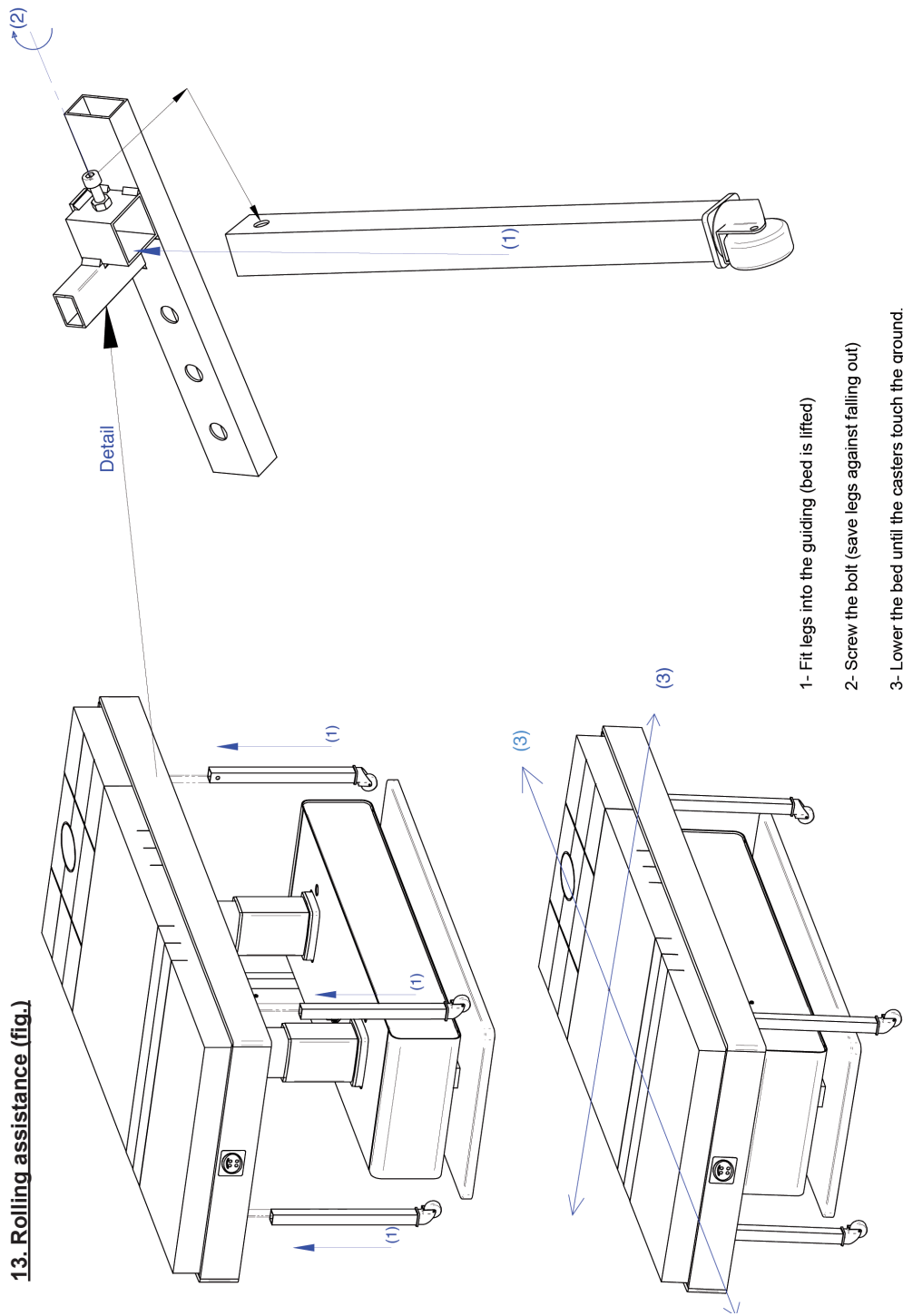
	Possible failures	Remedies
1. None of the motors work	- The blocking function is active	- Release (see 3.7)
	- no mains connection available	- check the mains connection
	- Mains connection lead defective	- Replace the mains connection lead
	- Hand switch or motor connection plug not plugged in correctly	- Check that the plug is tight
	- Hand switch defective	- Replace hand switch
	- Fuse in the transformer defective	- Replace it by a new fuse
	-Control box: system fully down	- replace by a new one
	- Software error	- Reset. The software is reset to its initial state by simultaneously pressing the upper row of keys on the hand switch (fig. 5) for approx. 10 seconds.
2. Individual motor without a function	- Motor connection plug not plugged in correctly	- Check that the plug is tight
	- Hand switch defective	- Replace hand switch
	- Control box defective	- Replace the control box
	- Motor connection lead or plug defective	- Replace the motor lead
	- Motor defective	- Replace the motor

12. Space required



Min. space required: 300cm x 180cm

13. Rolling assistance (fig.)



KONFORMITÄTSEKTLÄRUNG
EC DECLARATION OF CONFORMITY
DECLARATION CE DE CONFORMITE
Wir / We / Nous

Electro-Medical-Gharieni GmbH
(Hersteller/Manufacturer/Fabricant)

**D-47443 Moers
Gutenbergstr. 40
Germany**

erklären, dass das Produkt
declare that the product
déclarons que le produit

(Typ oder Modell, Bezeichnung / Type or model, name / Type ou modèle, nom)

MLX

entsprechend den Vorgaben der

Niederspannungsrichtlinie **2006/95/EG**,
EMV- Richtlinie **2004/108/EG**,
Maschinenrichtlinie **2006/42/EG**.

is produced in accordance with the requirement specified in

Low Voltage Directive (LVD) **2006/95/EG**,
electromagnetic compatibility **2004/108/EG**,
Safty of Machinery **2006/42/EG**.

est produit conformément aux exigences de la directive

Directive basse tension **2006/95/EG**,
Compatibilité Electromagnetique **2004/108/EG**,
Directive machines **2006/42/EG**.

Moers,01.03.2011
Ort und Datum
Place and date
Date et lieu



Geschäftsführer: S. Gharieni
Executive president
Directeur

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