LINET

User Manual and Technical description

GRACIELLA

Gynaecological examination chair

D9U001GKC-0101

Version: 01

Date of publication: 2024-03

Manufacturer:

L I N E T spol. s r.o.
Želevčice 5
274 01 Slaný

Tel.: +420 312 576 111
Fax: 420 312 522 668

E-mail: info@linet.cz
http://www.linet.com
Service department: service@linetgroup.com

Authorized Representative in Great Britain:

LINET UK Ltd
11 Brunel Way
Segensworth East
Fareham
Hampshire
PO15 5TX
United Kingdom

Authorized Representative in Switzerland:

Bigla Care AG
Bernstrasse 3
CH-3421 Lyssach
Switzerland

Authorized Representative in Malaysia:

INTERSCIENCE SDN. BHD
2, Jalan Sg. Kayu Ara 32/38,
Berjaya Industrial Park
40460 Shah Alam,
Selangor Darul Ehsan
Malaysia

Authorized Representative in Peru:

Drogería Emergo Peru S.R.L.
Calle Las Orquídeas Nro. 585, Int. 1301
San Isidro, Lima
Director Técnico Renato Delgado Rivera
RUC: 205 52 75 65 35
Peru

Authorized Representative in Philippines:

Biomedica Healthcare Inc.
Unit 2103 City land 10, Tower 1
Ayala Corner, Dela Costa Street
Makati City, Metro Manila
Philippines

LINET

Graciella
Gynaecological examination chair

Author: L I N E T spol. s r.o.
Related links: www.linet.com

D9U004GKC-0101
Version: 01
Date of publication: 2024-03

Contents

1 Symbols and Definitions

1.1 Warning Notices

1.1.1 Types of Warning Notices

Warning notices are differentiated by the type of danger using the following key words:

► **WARNING** warns about the risk of physical injury.
► **CAUTION** warns about the risk of material damage.
► **DANGER** warns about the risk of fatal injury.

1.1.2 Structure of Warning Notices

SIGNAL WORDS!
Type and source of danger!
► Measures to avoid the danger.

1.2 Instructions

Structure of instructions:

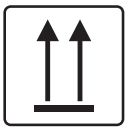
► Perform this step.
Results, if necessary.

1.3 Lists

Structure of bulleted lists:

- List level 1
  - List level 2
    - List level 3

1.4 Symbols on a package

	FRAGILE, HANDLE CAREFULLY
	THIS WAY UP
	PROTECT FROM MOISTURE
	PAPER RECYCLING SYMBOL
	DO NOT USE A HAND TROLLEY HERE

1.5 Symbols and labels on a chair

	READ THE USER MANUAL
	STOP BUTTON (PRESS TO INTERRUPT THE CHAIR POSITION)
	SAFE WORKING LOAD
	MAXIMUM WEIGHT OF PATIENT
	WEIGHT OF CHAIR
	POSSIBLE RISK
	APPLIED PARTS TYPE **B**
	ONLY SUITABLE FOR INDOOR USE
	MEDICAL DEVICE
	UNIQUE DEVICE IDENTIFIER
	**CE** MARKING
	REFERENCE NUMBER (PRODUCT TYPE DEPENDING ON THE CONFIGURATION)

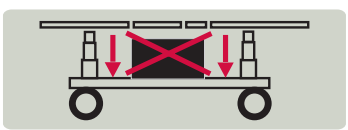
SN	SERIAL NUMBER
EAC	EAC MARKING
UK CA	UK CONFORMITY ASSESSED (UKCA) MARKING (PRODUCT NORMATIVELY HARMONIZED FOR GREAT BRITAIN ECONOMIC AREA)
UK REP	AUTHORIZED REPRESENTATIVE IN GREAT BRITAIN
CH REP	AUTHORIZED REPRESENTATIVE IN SWITZERLAND
	MANUFACTURER
	DATE OF MANUFACTURE
	DO NOT POLLUTE THE ENVIRONMENT
	WEEE SYMBOL (RECYCLE AS ELECTRONIC WASTE, DO NOT DISPOSE WITH HOUSEHOLD WASTE)
	RECYCLING SYMBOL
	WARNING: DO NOT SIT ON FOOTRESTS SAFE WORKING LOAD OF FOOTRESTS
	DO NOT PUT ANY OBJECTS ON UNDERCARRIAGE
	JACK FOR ATTACHMENT OF CONDUCTOR FOR POTENTIAL EQUALISATION

Fig. Location of warning labels

1.6 Product Label with UDI

The serial label contains information about Address of Manufacturer, Manufacturing Date (Year-Month-Day), Product Reference Number, Product Serial Number, Global Trade Item Number (GTIN), Unique Device Identification (UDI), symbols, weight specifications and electrical specifications.

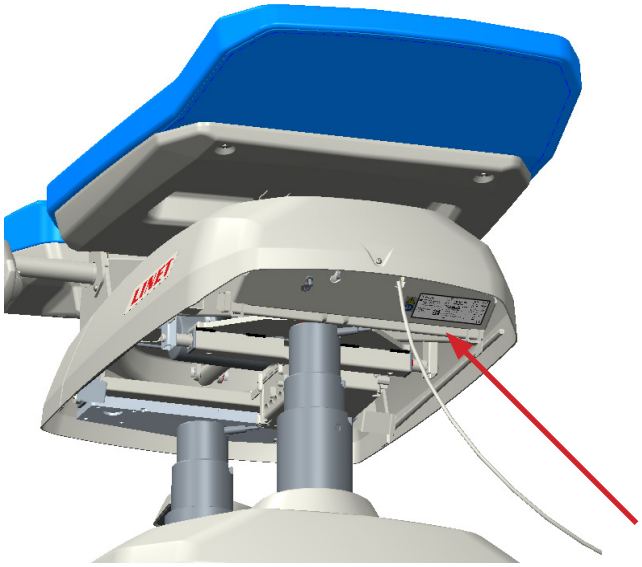


Fig. Location of the product label (Graciella)

Please address any potential queries to the authorized representative or directly to the Manufacturer L I N E T spol. s r.o.

1.7 Audible alarm

SOUND	MEANING
Sound 0,5 s, Interval 2,5 s	Error detected in safety circuit of STOP function
Continuous signal	CB (Control Box) electronics overheated
Continuous signal	Motor overloading
Short sound when positioning the seat	Zero seat position reached
Short sound when positioning the seat	If the seat reaches 12° when moving upwards

1.8 Definition

Basic Chair Configuration	Model configuration
Chair weight	The value depends on the product configuration, accessories or customer adjustments.
Duty Cycle	Cycle of operation of the motor: time of activity/time of rest.
Safe working load	The highest allowable load on the chair (patient and accessories)

1.9 Abbreviations

AC (~)	Alternating Current
CE	European Conformity
dBA	Sound Intensity Unit
DC (=)	Direct Current
EMC	Electromagnetic Compatibility
HPL	High Pressure Laminate
HW	Hardware
INT.	Duty Cycle
IP	Degree of protection
LED	Light Emitting Diodes
ME	Medical Electrical (Equipment)
REF	Reference number (product type depending on the configuration)
SP	Serial number
SW	Software
SWL	Safe working load
UDI	Unique device identification (for medical devices)
WEEE	Waste Electrical and Electronic Equipment
SCU	System Control Unit

2 Safety Instructions

WARNING!
Improper handling of the mains cable, eg. by twisting, cutting or other mechanical damage, is dangerous!

WARNING!
When routing the cables of other devices through the Graciella chair through parts of this medical chair, avoid pinching these cables!

WARNING!
To reduce the risk of electric shock, this appliance must be connected to a mains supply with a protective earth connection.

WARNING!
Modifications to this device are prohibited.

WARNING!
Do not modify this device without authorization from the manufacturer.

WARNING!
If this device is modified, appropriate inspections and tests must be carried out to ensure the continued safe use of the device.

WARNING!
No additional power strip or extension cord may be connected to the medical electrical system.

WARNING!
Any major accident involving the device should be reported to the manufacturer and to the competent authority of a member state in which the user and/or patient is competent.

WARNING!
Fuses and power supplies may only be replaced with tools by authorized and trained personnel!

WARNING!
This medical device is not intended for use in an oxygen-enriched atmosphere!

WARNING!
This medical device is not intended for use in the presence of flammable substances!

WARNING!
This medical device is not a portable electrical device!

WARNING!
Make sure that the mandatory cycle is observed during chair positioning (2 min ON / 18 min OFF)!

WARNING!
The patient may only use the selected controls if the medical staff considers that the patient's physical and mental condition corresponds to this and only if the medical staff has trained the patient in accordance with the instructions for use!

WARNING!
During specific examinations and specific treatments, significant risks of Interaction due to medical electrical equipment may occur.

FIRMWARE

The chair contains firmware that may only be updated by an authorized service technician.
This firmware is protected against unauthorized access by a mechanical cover (access requires tools), a seal (components with the processor are sealed), exclusive compatibility with an authorized software tool and checking the compatibility of the new firmware with the chair.

►Carefully follow instructions of the user manual.
►Use the chair exclusively if it is in perfect working order.
►If necessary, check the chair functions daily or at each shift change.
►Ensure any user has read and understood this manual completely before operating the product.
► Use the chair exclusively with the correct mains supply.
► Ensure that the chair is operated exclusively by qualified personnel.
► Move the chair exclusively on even, hard-surfaced floors.
► Replace any damaged parts immediately with original spare parts.
► Ensure that maintenance and installation are performed exclusively by qualified personnel who have been trained by the manufacturer.
► During peak loads or unavoidable excess loads place Mattress Platform in the lowest position.
► Take care to avoid injuries or squeezing when operating moving parts.
► When using a platform extension or infusion stands, ensure that nothing will be damaged when you move or adjust the chair.
► Ensure that the castors are locked prior to use.
► Never use the chair in areas where there is a hazard of explosion.
► Never handle the mains plug with wet hands.
► Disconnect the chair from the mains exclusively by pulling the mains plug.
► When pulling the mains plug, always hold the plug, not the cable.
► Position the mains cable so that there are no loops or kinks in the cable; protect the cable from mechanical wear and tear.

► Improper handling of mains cable can cause an electric shock hazard, other serious injuries.
► Ensure that the stipulated duty cycle of motor is not exceeded.
► To change fuses or cables contact service organisation authorized by manufacturer.
► Ensure that the moving parts of the chair are not blocked.
► To prevent failures, use exclusively the manufacturer’s original accessories.
► Ensure that the stipulated safe operating load is not exceeded.
► Do not modify chair and its components without the manufacturer´s approval.
► Do not exceed the maximum patient weight limit (see Mechanical Specifications).
► Do not use the SCU near flammable gases. (This does not apply to oxygen cylinders.)
► Do not hang anything on any cable.
► Choose a suitable location to place chair accessories and other objects to prevent unintentional activation of buttons or controls, which may result in readjustment of the chair.
► Do not use the chair if its parts (eg. parts of the platform) have been removed, except for those parts that are intended for removal (eg. footrests).
► After each emergency situation always check if any of the controls of accessories (foot controls, hand controls) have not been pressed accidentally.
► To avoid injury or crushing, take extra caution when operating any moving parts of the chair.
► To prevent unintentional activation of moving parts during any use of the chair, always check that no controls on the chair were inadvertently pressed by persons or other objects.

3 Unpacking instructions

Before connecting the chair to the mains, read the Commissioning chapter carefully.

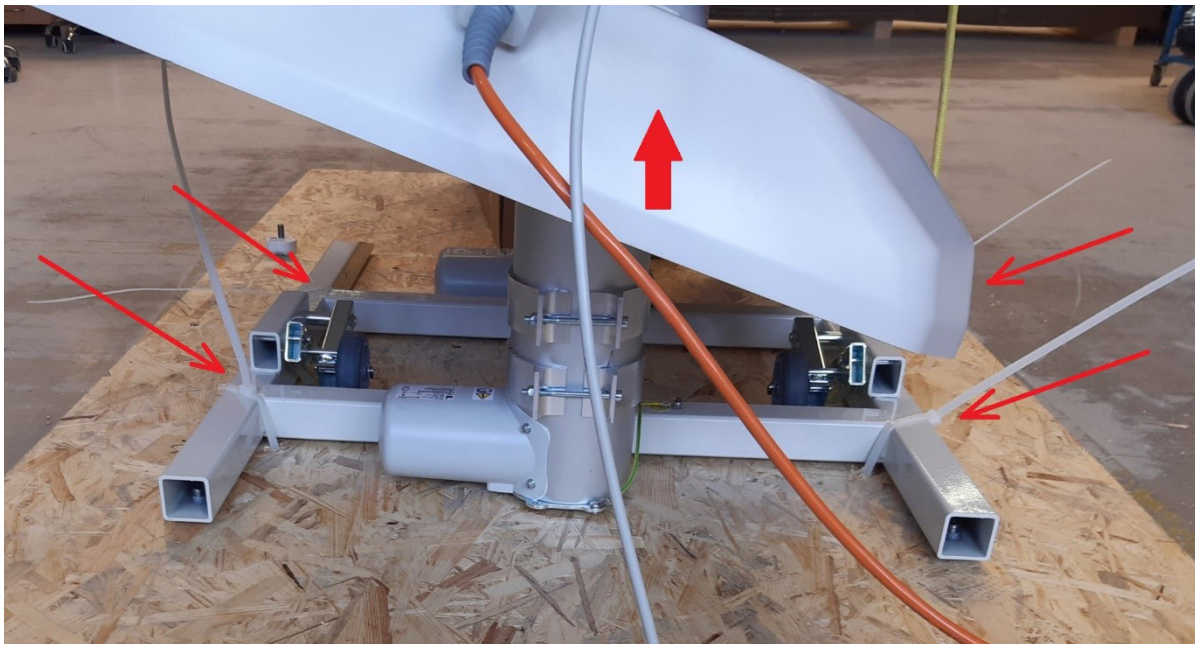
► Cut the securing tape on the box.

► Remove the top lid and ring of a box. Cut or step on the corners of the lower wall at the back of the chair so that the chair can be conveniently removed from the pallet.

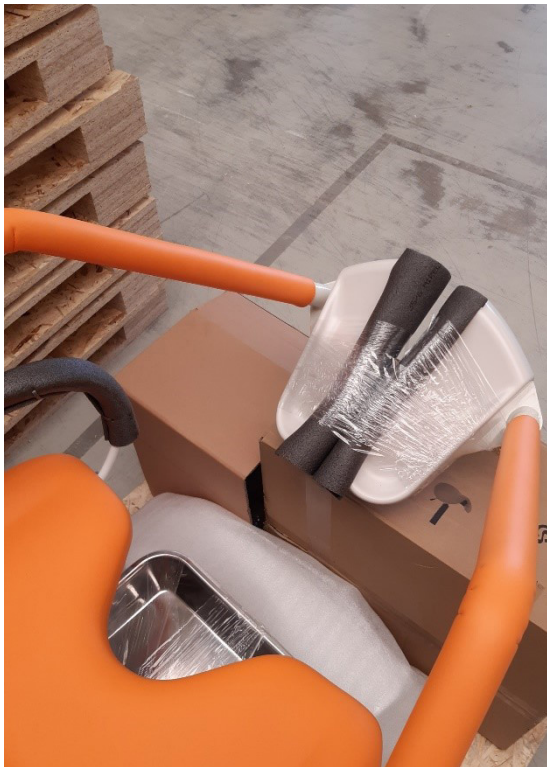
► Gradually remove all accessories, including the power cord, from the tray. Discard empty containers.

► If a step is part of the chair, remove it.

► Lift the base cover, cut 4x cable ties holding the chair to a pallet. Then the chair can be transferred from a pallet to the floor by two people.



► Then remove all fixing and protective material from the chair



Before connecting the chair to the mains, read the Commissioning chapter carefully.

4 Intended Use

4.1 Intended use

Examination and treatment in gynaecology. The chair is used for gynaecological examination and ultrasound examination, respectively for small outpatient operations. Basic functions include lying down, sitting and supporting the patient.

4.2 User population

Women and girls of any age for a preventive examination or if they experience irregularities in the breasts, genitals, menstrual cycles or if they become pregnant.
Nurses (doctor, nurses, technical staff, operating staff, cleaning staff)

4.3 Contraindications

The medical device must not be used in any other way, for example as a patient transport chair, operating table or as a chair with unapproved accessories.
The chair must not be used with patients exceeding the maximum weight specified in the user manual.

5 Product Description

5.1 Chair with footrests - without vertical adjustment

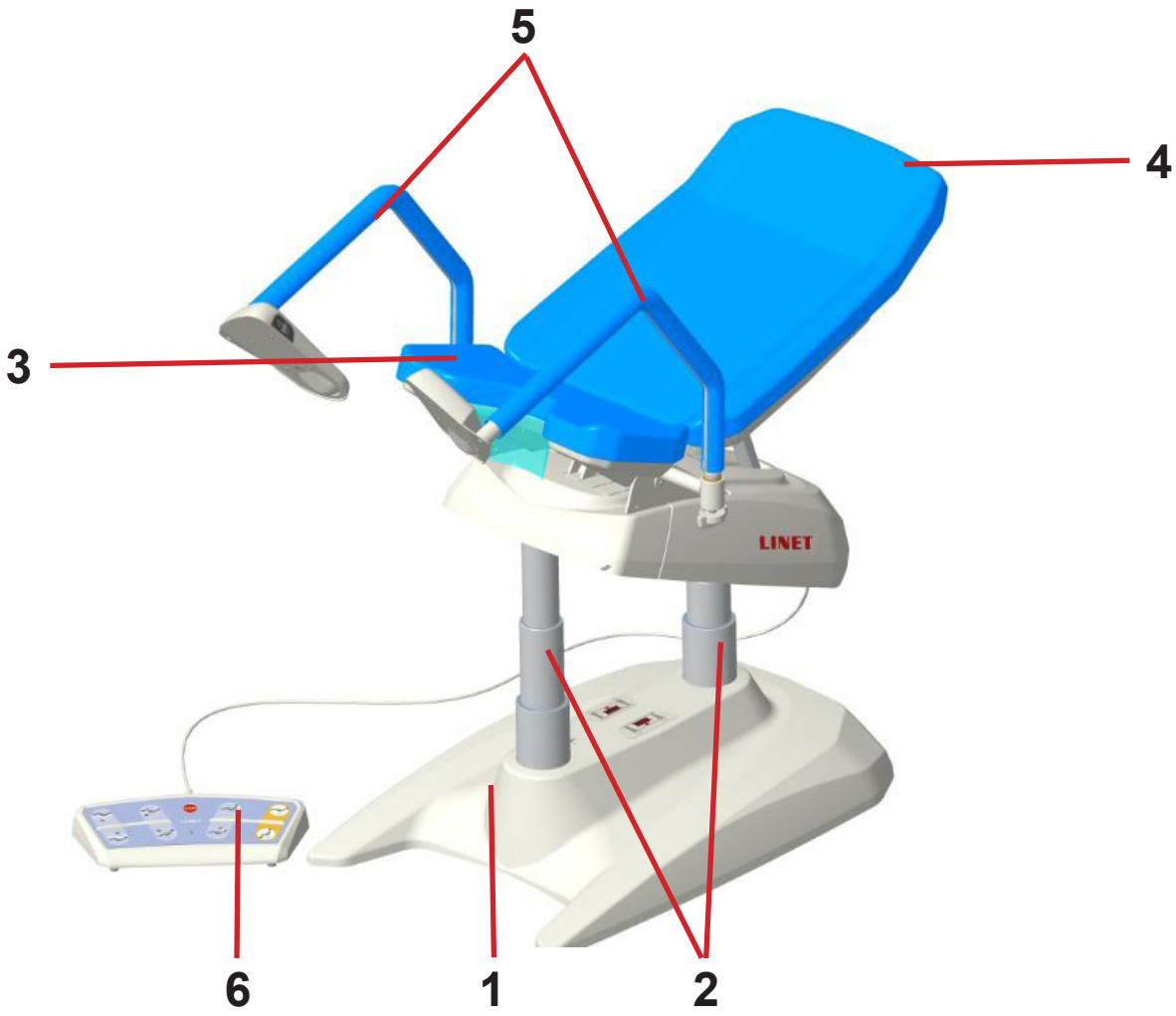


Fig. Chair with footrests - without vertical adjustment

1. **Base**
2. **Lifting columns**
3. **Seat section**
4. **Backrest**
5. **Footrest**
6. **Foot controller**

5.2 Chair with footrests - with vertical adjustment

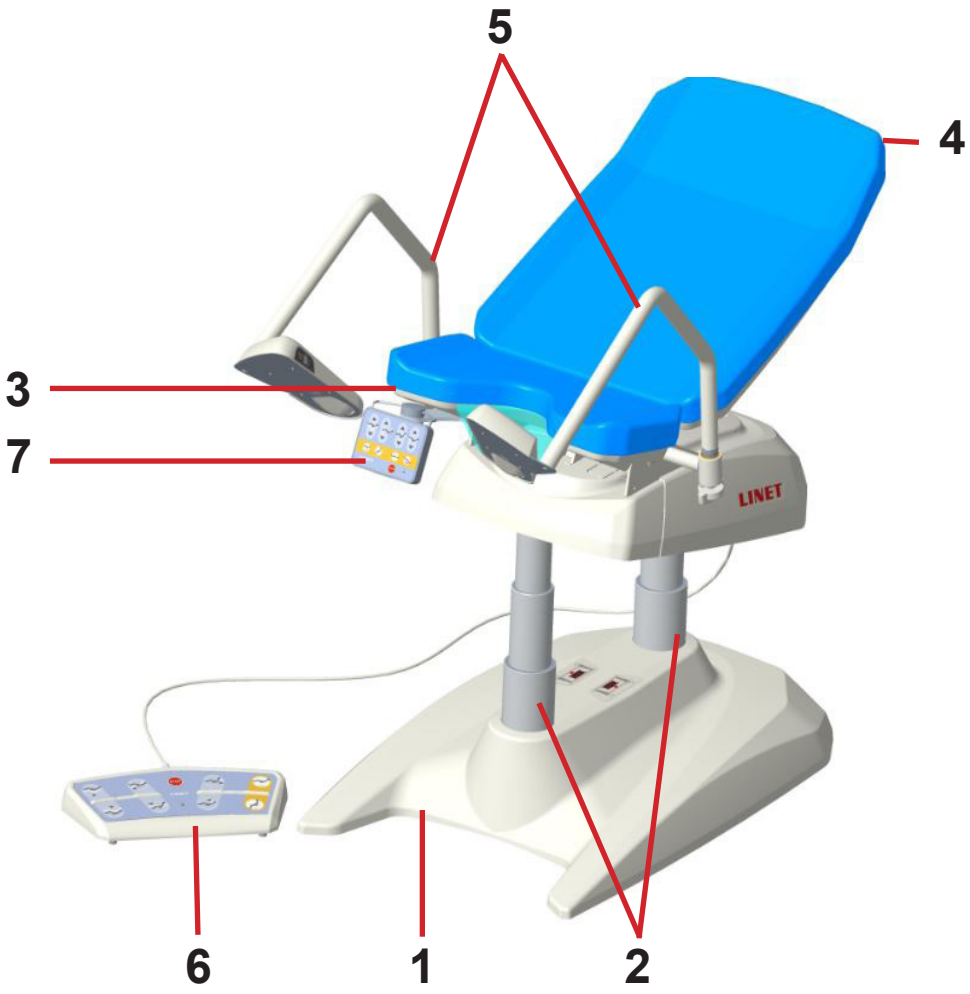


Fig. Chair with footrests - with vertical adjustment

1. **Base**
2. **Lifting columns**
3. **Seat section**
4. **Backrest**
5. **Goepel footrest**
6. **Foot controller**
7. **Controller**

5.3 Chair with Goepel footrests - without vertical adjustment

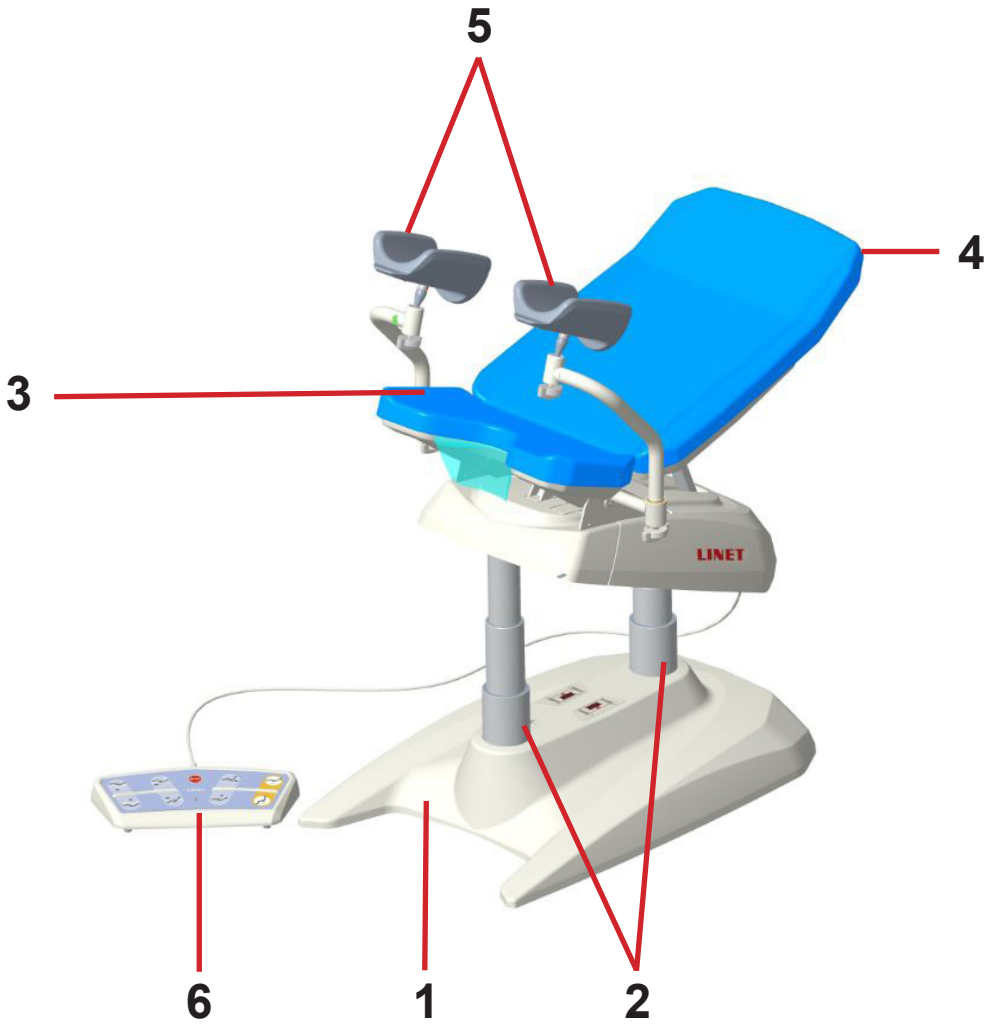


Fig. Chair with Goepel footrests - without vertical adjustment

1. **Base**
2. **Lifting columns**
3. **Seat section**
4. **Backrest**
5. **Goepel footrest**
6. **Foot controller**

5.4 Chair with Goepel footrests - with vertical adjustment

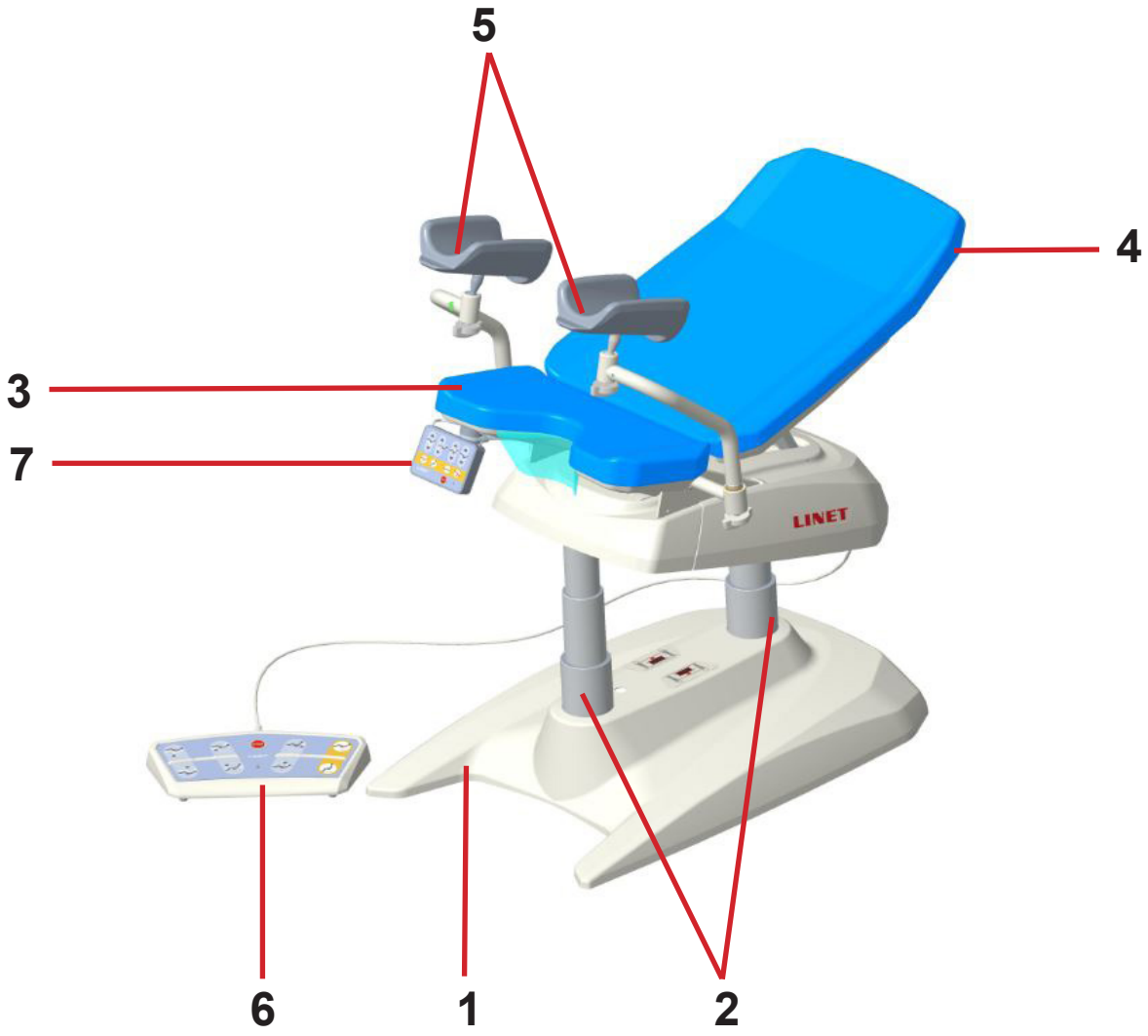


Fig. Chair with footrests - with vertical adjustment

1. **Base**
2. **Lifting columns**
3. **Seat section**
4. **Backrest**
5. **Goepel footrest (2_joint)**
6. **Foot controller**
7. **Controller**

5.5 Chair with Goepel footrests - with manual position adjustment

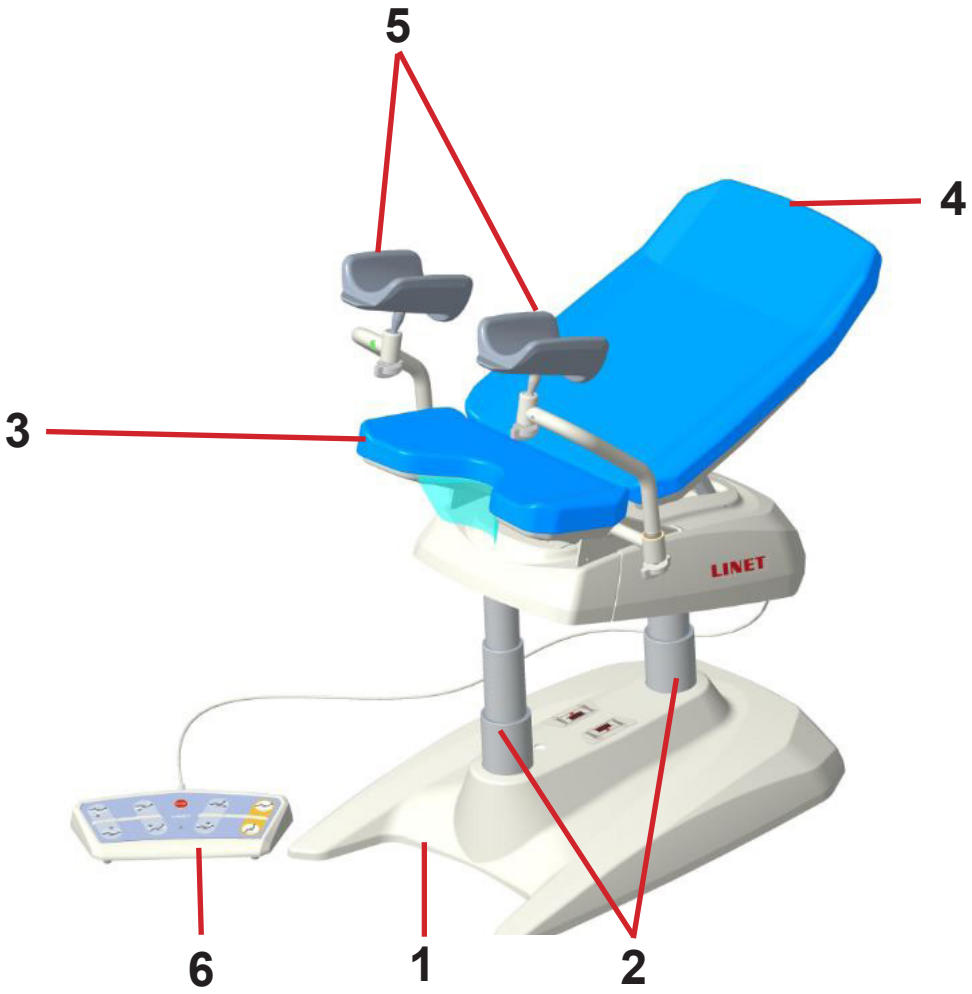


Fig. Chair with Goepel footrests - with manual position adjustment

1. **Base**
2. **Lifting columns**
3. **Seat section**
4. **Backrest**
5. **Goepel footrest**
6. **Foot controller**

6 Technical specification

All technical data are rated data are subject to construction and manufacturing tolerances.

6.1 Identification of Applied Parts (Type B)

All part of the chair (and accessories) the patient can reach are type B Applied Parts.

- **upholstery/mattresses**
- **footrests**
- **leg holders**

6.2 Mechanical Specifications (Graciella)

Parameter	Value
Maximum chair length (without footrests)	1325±10mm
Maximum chair length (with footrests)	1733±10mm
Maximum chair length (with Goepel-footrests)	1402±10mm
Maximum chair length (with double-joint Goepel footrests)	1495±10mm
Overall width (across footrests)	780 - 845 mm
Upholstery width (max.)	630±5 mm
Upholstery thickness	30±2 mm
Height of the seat of the chair — in sitting position	615±5 mm
Maximum height of the seat of the chair (front edge)	1043±5 mm
Adjustment angle of the backrest part to seat part	0°±2°/+40°±2°
Adjustment angle of the seat part	0°±2°/+20°±2°
Trendelenburg position	-12°±2°
Footstep above ground min.	275 - 540 mm
Patient load	180 kg
Maximum chair load	195 kg
Permissible footrest load	32 kg
Chair weight (depending on configuration)	85 - 115 kg
Permissible bowl load	2.4 kg
Maximum load of Eurobar	10 kg
Volume of hanging bowl	2.4 l
Protection	IPX4
Foot controller protection	IPX6
Mode of operation	Int. 2/18 min
Noise level	Less than 48 dB (A)
Package size	l 1922 x w 1024 x h 1117 mm

6.3 Environmental conditions(Graciella)

Conditions of Use	
Ambient Temperature	from 10 °C to +40 °C
Relative Humidity	from 30 % to 75 %
Atmospheric Pressure	795 hPa - 1060 hPa
Storage and Transport Conditions	
Ambient Temperature	from - 10 °C to + 50 °C
Relative Humidity	from 30 % to 75 %
Atmospheric Pressure	860 hPa to 1060 hPa

6.4 Electrical Specifications (Graciella)

Voltage	100 V AC, 3,15 A
Voltage	110 V AC, 3,15 A
Voltage	120 V AC, 3,15 A
Voltage	127 V AC, 3,15 A
Voltage	230 V AC, 1,6 A
Frequency	50/60 Hz
Motor voltage	24 V AC
Protection against water penetration	IPX4
Device protection class	I
Classification of the included parts	B
Maximum power input	230 V max. 1,6A; 100-127 V max.3,15A
Chair fuses	2xT1, 6 AL 250V, (version 230V), 2x T3, 15 AL 250V(version 100-127V)

6.5 Electromagnetic Compatibility

The chair is suitable for hospitals with the exception of nearby active RF surgical instruments and RF shielded rooms of magnetic resonance systems, where the intensity of EM interference is high.

The chair has no necessary functionality defined.

WARNING!
The use of this device next to or in a block with other devices should be avoided, as this could cause incorrect operation. If such use is necessary, this instrument and other instruments should be monitored to verify that they are operating normally.

List of used cables: network cable, maximum length 6 m

WARNING!
Use of accessories, transducers, and cables other than those specified or provided by the manufacturer of this device could result in increased electromagnetic emissions or reduced electromagnetic immunity of this device and cause improper operation.

WARNING!
A portable RF communication device (including terminal equipment such as antenna cables and external antennas) should not be used closer than 30 cm (12 inches) from any part of the Graciella chair, including cables specified by the manufacturer. Otherwise, the operation of this device may deteriorate.

WARNING!
Do not overload the chair over the permissible safe working load (SWL) and observe the motor loader (INT.) in order to maintain the basic safety of the bed in terms of electromagnetic interference for the entire expected life of the chair.

6.5.1 Instructions and manufacturer's declaration - electromagnetic radiation

Radiation test	Conformity
RF emissions CISPR 11	Group 1
RF emissions CISPR 11	Class B
Harmonic radiation IEC 61000-3-2	Class A
Voltage fluctuations / flickering emission IEC 61000-3-3	Complying

6.5.2 Instructions and manufacturer's declaration - electromagnetic immunity

Endurance test	Satisfactory level
Electrostatic discharge (ESD) IEC 61000-4-2	± 8 kV for contact discharge ± 15 kV for air discharge
Near fields from RF wireless communication devices IEC 61000-4-3	See Table 1
Electrical fast transient / burst IEC 61000-4-4	±2 kV repetition frequency 100 kHz
Surge IEC 61000-4-5	± 1 kV combined ± 2 kV between phase and ground
Conducted RF IEC 61000-4-6	3 V (0,15 MHz – 80 MHz) 6 V ISM bands between 0,15 MHz and 80 MHz) 80 % AM at 1 kHz)
Power-frequency magnetic fields (50/60 Hz) IEC 61000-4-8	30 A/m
Short-term voltage drop and voltage interruption (power supply) IEC 61000-4-11	0 % UT; 0,5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° a 315° 0 % UT; 1 cycle and 70 % UT; 25/30 cycles Single phase: at 0° 0 % UT; 250/300 cycles

Table 1 – Electromagnetic immunity, telecommunication services according to IEC 61000-4-3

Test frequency (MHz)	Band (MHz)	Service	Modulation	Immunity test level V/m
385	380 - 390	TETRA 400	Pulse modulation 18 Hz	27
450	430 - 470	GMRS 460, FRS 460	FM ± 5 kHz deviation 1 kHz sine wave	28
710 745 780	704 - 787	LTE band 13, 17	Pulse modulation 217 Hz	9
810 870 930	800 - 960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE band 5	Pulse modulation 18 Hz	28
1,720 1,845 1,970	1,700 - 1,990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE band 1, 3, 4, 25; UMTS	Pulse modulation 217 Hz	28
2,450	2,400 - 2,570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE band 7	Pulse modulation 217 Hz	28
5,240 5,500 5,785	5,100 - 5,800	WLAN 802.11 a/n	Pulse modulation 217 Hz	9

NOTE No deviations from the requirements of the standard are applied to EMC.

NOTE No other measures are known to maintain basic safety in terms of EMC.

NOTE Chairs equipped with a communication module work as standard IEEE 802.11 b/g/n (2 400 to 2 483,5 MHz, modulation DSSS (IEEE 802.11 b), OFDM (IEEE 802.11 g/n) 20MHz bandwidth EIRP = 0.34 W.

7 Use and Storage Conditions

DANGER!
Danger to life due to electric shock!
To ensure the chair's class I protection against electric shocks:
► Ground the mains.
► Use exclusively Hospital Grade or Hospital Only receptacles for grounding.

Graciella Chair is designed for use in rooms for medical purposes. Electrical installations must therefore meet local norms laying down the necessary conditions for electrical installations.
► Disconnect the chair from the mains in exceptional cases (i.e. lightnings, earthquake).

Graciella Chair is not suitable for indoor environments containing flammable gases (except oxygen cylinders).

8 Scope of Delivery and Product Variants

8.1 Delivery

► Upon receipt, check that the shipment is complete as specified on the delivery note.
► Notify the carrier and supplier of any deficiencies or damages immediately as well as in writing or make a note on a delivery note.

8.2 Scope of Delivery

► Graciella gynaecological examination chair
► User Manual

8.3 Graciella Variants

s = standard
o = optional

Basics (s):

- Base
- Front post
- Back post
- Upper frame
- Seat (lead in)
- Backrest
- Foot controller

Mandatory optional equipment:

- Electrically operated footrests:
  - Manual control - right (o) / left (o)
  - Types of footrests - Goepel (o), footrests (o)
- Upholstery colour (o)
- Bowl holder - right (o) / left (o):
  - Bowl type - plastic bowl (s) / stainless steel bowl (o)
- Power cord (o)
- Power supply (o)

Optional equipment:

- Step - right (o) / left (o)
- Castors
- Lamp - right (o) / left (o)
- Paper roll holder - right (o) / left (o)
- Euro rail - right (o) / left (o)

Accessories (o):

- Euro rail holder
- Infusion stand
- Headrest
- Physician's chair — ergonomic
- Physician's chair – ergonomic, – adjustable by feet
- Physician's chair — ergonomic, height-adjustable, manual locking
- Long cover
- Short cover

9 Entry into Operation

WARNING!
Risk of injury when working with the chair!
► Ensure that the chair is disconnected from the mains connection before commissioning and maintenance.

WARNING!
Risk of damage to property due to incorrect commissioning!
► Ensure that commissioning is performed exclusively by customer service or trained hospital personnel.

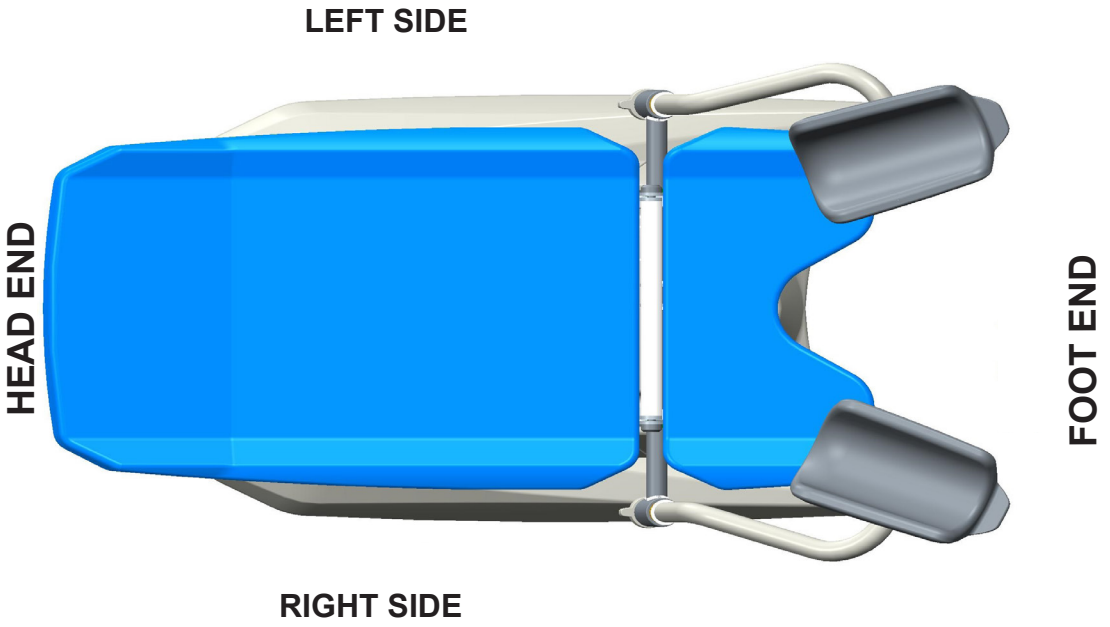
NOTE: For safe and easy handling, LINET® recommends the chair be assembled by two technicians at a time.

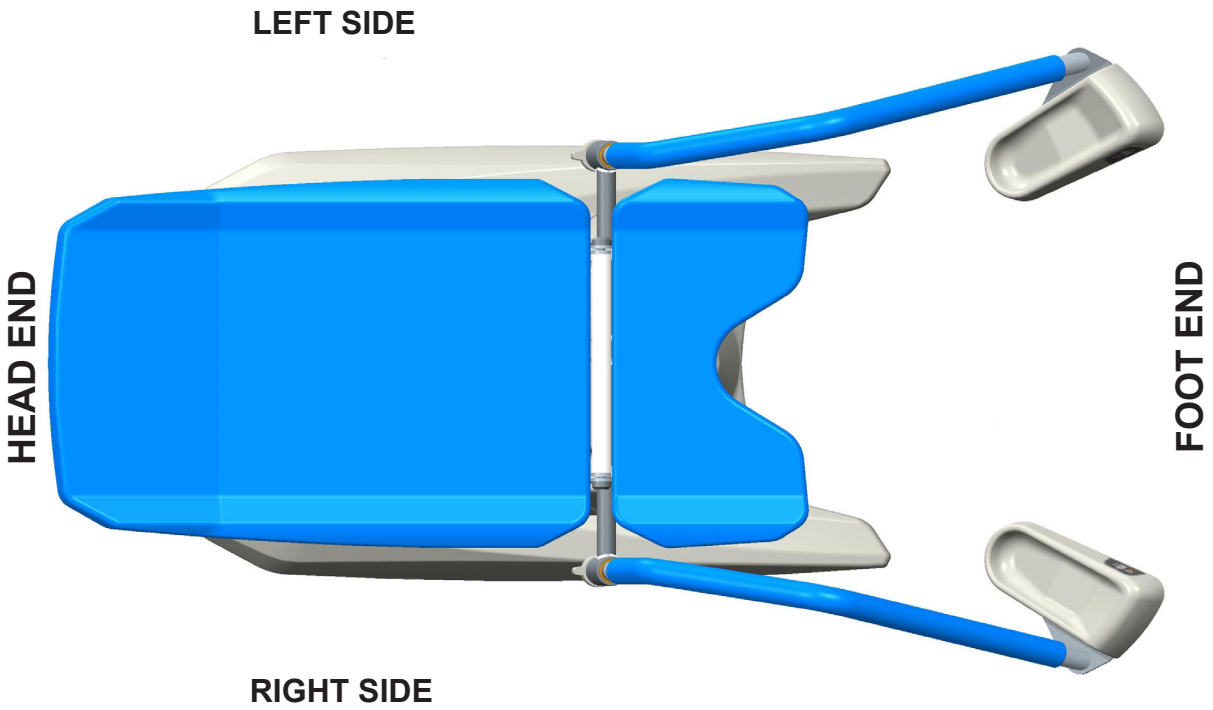
Set the chair as follows:

► Unpack the chair.
► Check the delivery (see Scope of Delivery and Chair Variants).
► Install equipment and accessories (see Installation).
► Set up the chair exclusively on a suitable floor surface (see Transport).
► Ensure that the mains cable does not collide or get stretched when adjusting the chair.
► Check that the plug is inserted correctly.
► Do not leave any extension cords or power strips loose on the floor.
► Ensure that all of the required mechanical and electrical prevention mechanisms are available on site.
► There is no mains switch on the chair, i.e. the mains cable is the only means to isolate the chair from the mains. Ensure that the mains cable is always accessible.
► Have the separable plug of the mains cable changed and maintained exclusively by qualified and trained service technicians authorised by the manufacturer.

WARNING!
Material damage due to temperature difference

► If there is a considerable temperature difference between the chair and the place of operation (after transport/stage), leave the chair unconnected for 24 hours for the difference to balance itself.


LEFT SIDE
HEAD END
FOOT END
RIGHT SIDE


LEFT SIDE
HEAD END
FOOT END
RIGHT SIDE

9.1 Potential Equalisation

The chair is equipped with a standard protective connector. This connector is used for potential equalisation between the chair and any intravascular or intracardiac device connected to the patient to protect the patient from static electric hocks.

Use equalisation connector if:

- the patient is connected to any intravascular or intracardiac device.

Before connecting the patient to an intravascular/intracardiac device:

► Use a standard hospital connector.
► Make sure that the connectors match.
► Connect the ground wire of the device to the potential equalisation connector on the chair on which the patient is sitting.
► Make sure that there is no possibility for inadvertent disconnection.

Before moving the chair:

► Disconnect the potential equalisation connector.

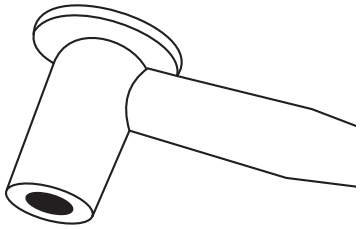


Fig. Potential equalisation - female connector

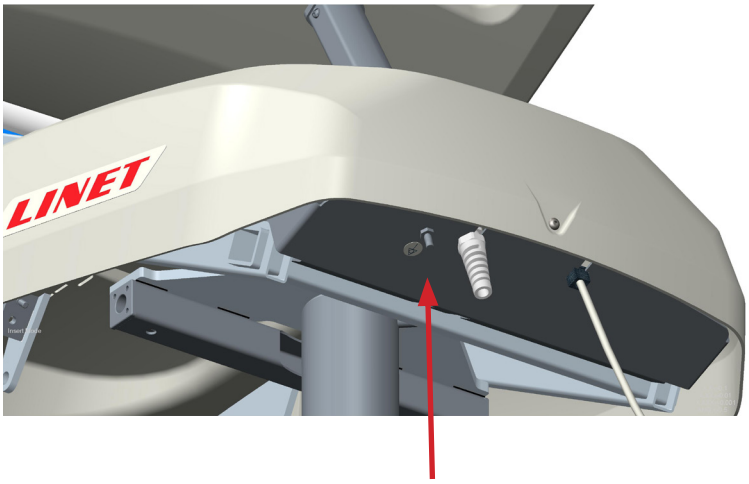


Fig. Potential equalisation - male connector

9.2 Before use

Prepare the chair for use as follows:

► Make sure that the chair is firmly seated on all four legs.
► Connect the chair to the mains.
► Raise and tilt the chair to the highest position.
► Lower and tilt the chair to the lowest position.
► Check all of the functions on the control elements.
► Dispose of all packaging (see Disposal).

9.3 Transport

WARNING!
Castors are not intended for transporting the chair outside the surgery.

For a safe transport, observe the following:

► Ensure that no cables are run over when moving the chair.
► Adjust height of the chair to the lowest straight position.
► Move the chair using the footrests and the support surface.
► Move the chair exclusively on suitable floor surfaces.

Suitable surfaces:

- Tile
- Hard linoleum
- Poured flooring

Unsuitable surfaces:

- Too soft, unsealed or defective flooring
- Soft wooden flooring
- Soft and porous stone floors
- Carpeted floors with underlay
- Soft linoleum

10 Mains Power Cable

Attachment plug is means of connecting and disconnecting the chair from the mains.
The mains cable must be securely stored on the chair during transport and handling.

WARNING!
Disconnecting the chair from the mains will stop the chair's movements!

11 Manipulation

WARNING!
Risk of injury when adjusting the chair!

- ► Ensure that there are no body parts between backrest and upper frame when adjusting the chair.
- ► Make sure there are no body parts or objects under the upper frame before adjusting the chair.
- ► In the case of a patient weighing more than 150 kg, a tilt of backrest downward is required before positioning of the seat section, the height of the chair or chair set-up for an examination of the patient.
- ► If the seat section is set in the range of 12°–20°, it is not possible to position with the backrest - there is a risk of tilting patient backwards.

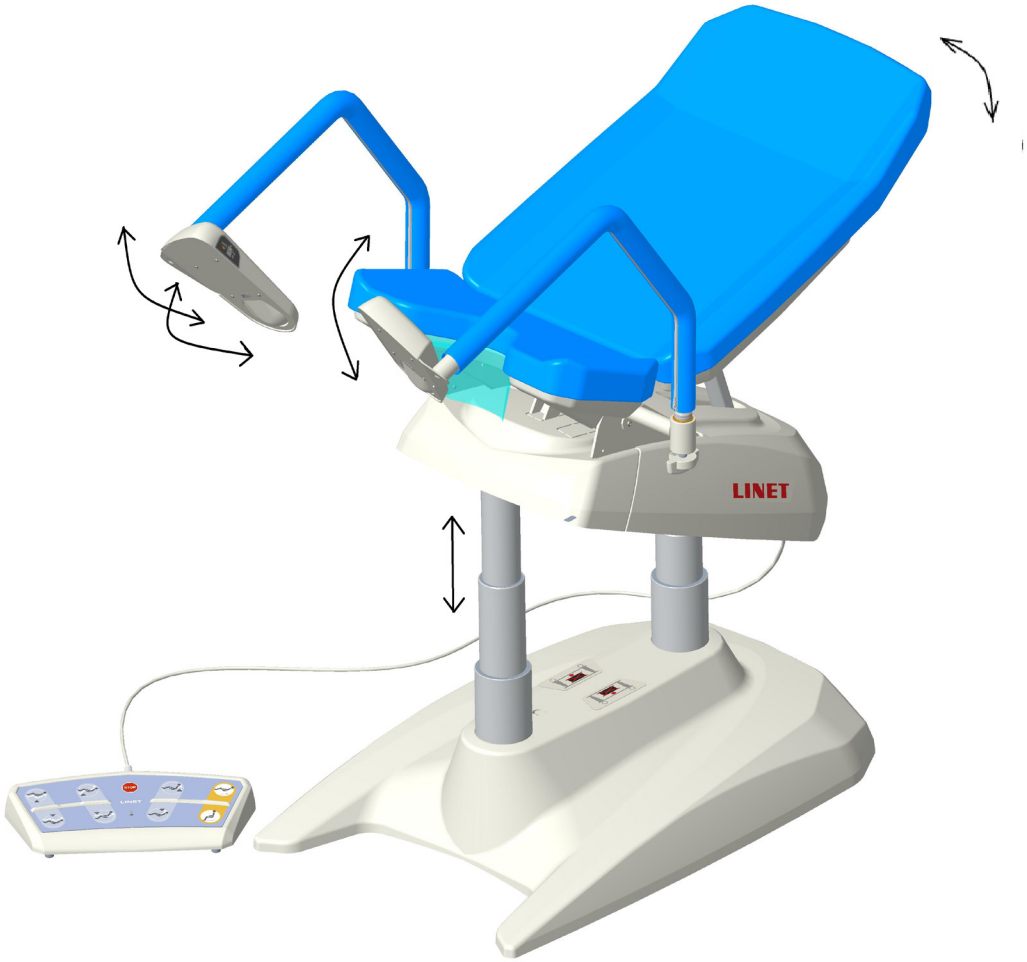
11.1 Control Elements

The chair is operated by different control elements.

Control elements depending on the model:

- Hand controller
- Foot controller

POSITIONING	Hand controller	Foot controller
Chair lift - height adjustment	✔	✔
Seat tilt	✔	✔
Tilt of the backrest	✔	✔
Tilt of footrests / Goepel footrests	✔	
Patient mounting position	✔	✔
Position for patient examination	✔	✔
Straight position	✔	
Trendelenburg Emergency Position	✔	



11.1.1 Hand controller (part of electrically operated footrests / Goepel footrests)

► Ensure that exclusively trained nursing staff operates the hand controller.

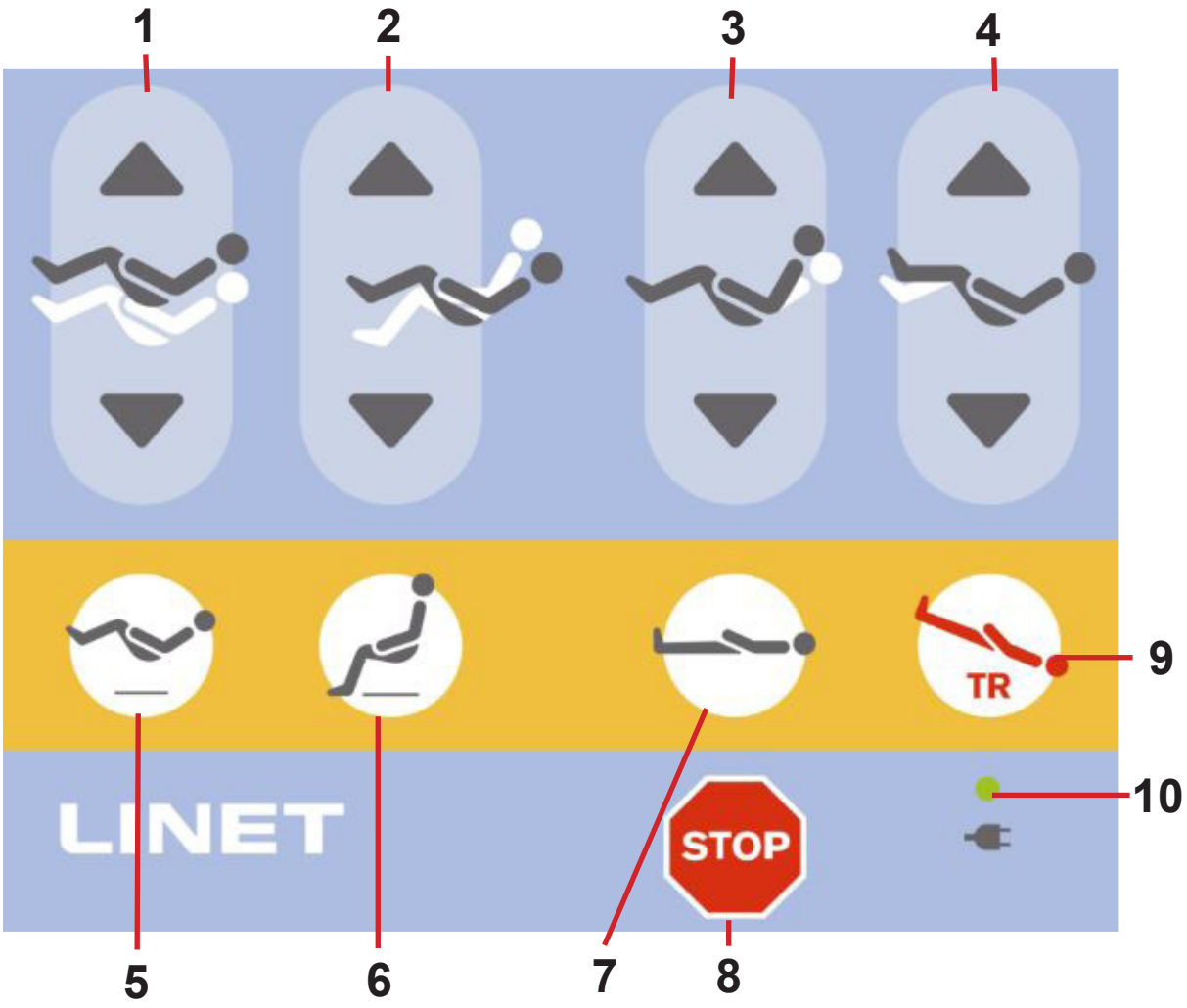


Fig. Hand controller

1. **Chair Height Adjustment Button**
2. **Adjustment angle of the seat part Button**
3. **Backrest Adjustment Button**
4. **Footrests/Goepel footrests Adjustment Button**
5. **Button For Setting The Patient Examination Position**
6. **Position Button For Patient Mounting**
7. **Button For Setting To A Straight Position**
8. **STOP Button**
9. **Trendelenburg Emergency Positioning Button**
10. **Power Connection Indication**

The function buttons **1, 2, 3, 4, 5, 6, 7, 9** are described in chapter **Chair Positioning**.

STOP Button 

The central STOP Button immediately interrupts all chair movements in case of unauthorized chair positioning or an electronic failure.
Pressing the central STOP Button for at least 0.3 seconds immediately stops all electronic chair movements.

By a short press of the **STOP** button **RESET** of the chair is done.

11.1.2 Foot Controller for the chair height adjustment (optional)

The foot controller is optional and allows setting the height of the chair during patient examination with one's feet.

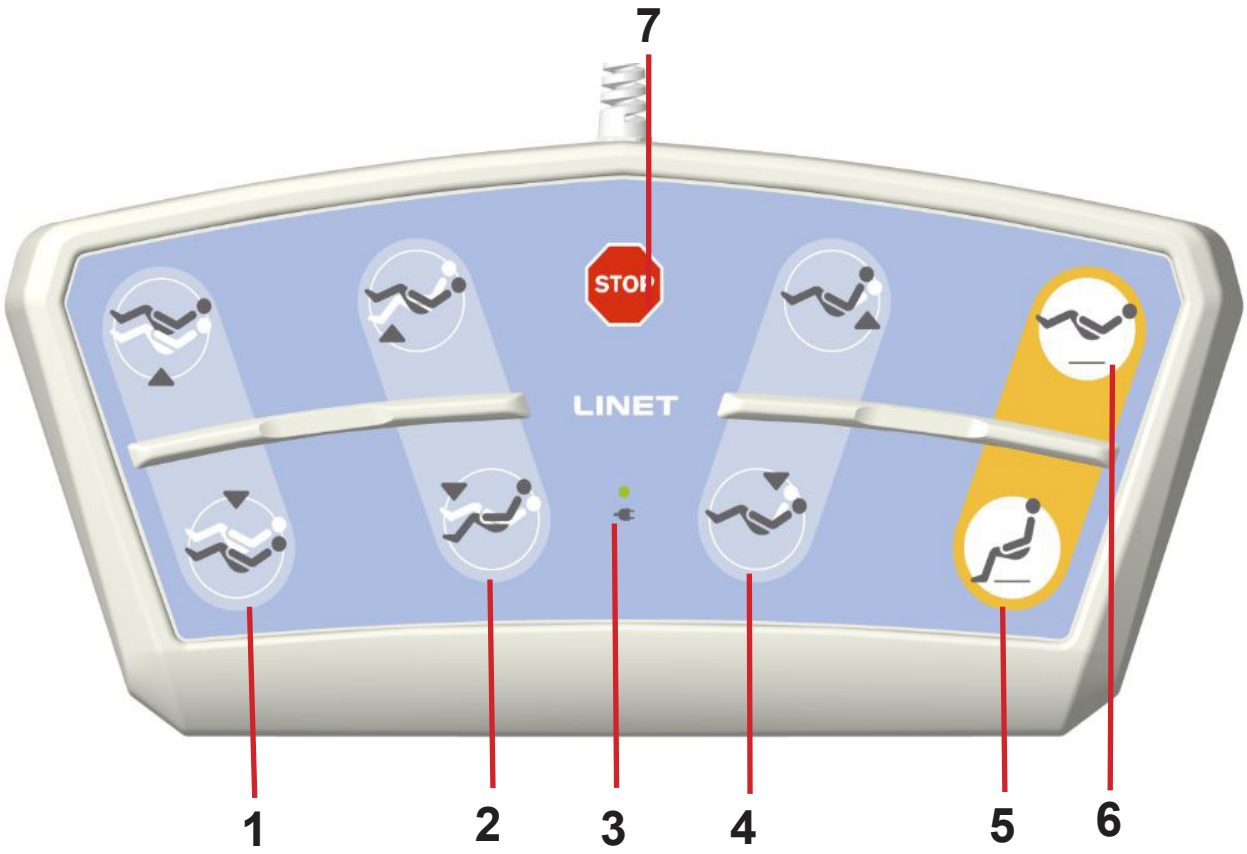


Fig. Foot controller

1. Chair Height Adjustment Button
2. Adjustment angle of the seat part Button
3. Power Connection Indication
4. Backrest Adjustment Button
5. Position Button For Patient Mounting
6. Position Button For Patient Examination
7. STOP Button

The use of Foot Controller for the chair height adjustment is described in Chapter **Chair Positioning**.

STOP Button

The central STOP Button immediately interrupts all chair movements in case of unauthorized chair positioning or an electronic failure.
Pressing the central STOP Button for at least 0.3 seconds immediately stops all electronic chair movements.

By a short press of the **STOP** button **RESET** of the chair is done.

11.2 Chair Positioning

11.2.1 Chair height

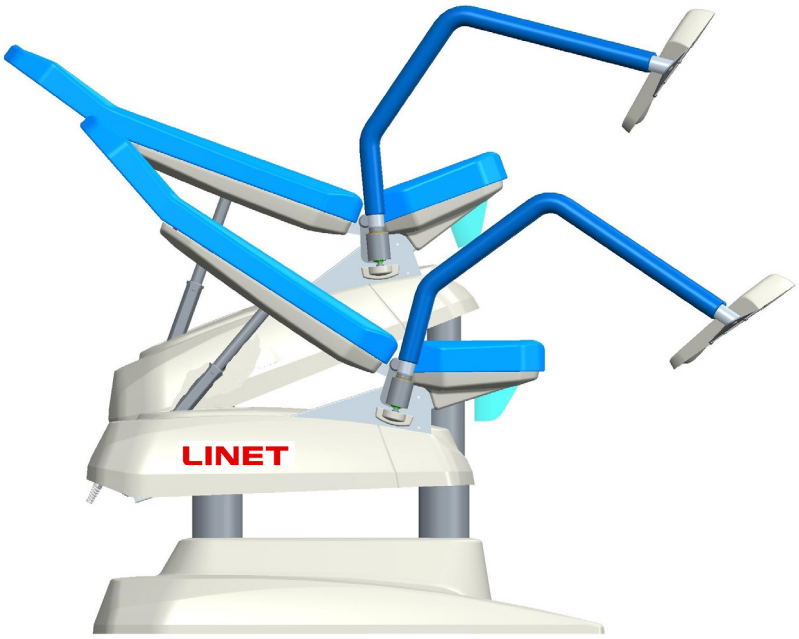


Fig. Chair Height Adjustment

For Chair Height Adjustment use:

► Hand controller
► Foot controller

During the continuous upward positioning of the chair, the chair automatically stops when a seat tilt of 12° is reached. To continue positioning, release the button, then press and hold it until you reach the desired position. When adjusting the height of the chair in the range of seat tilt 12°–20°, the backrest automatically raises to its upper position.

1. Chair height upwards
2. Chair height downwards

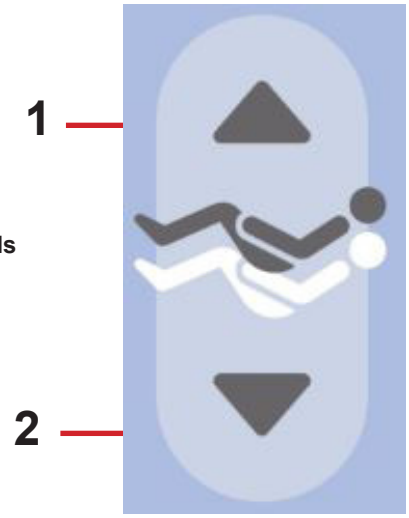


Fig. Chair height adjustment button (Manual controller, Foot controller)

Hand controller, foot controller:

► Press button for height adjustment of the selected part of chair, until intended position is reached.

11.2.2 Seat section

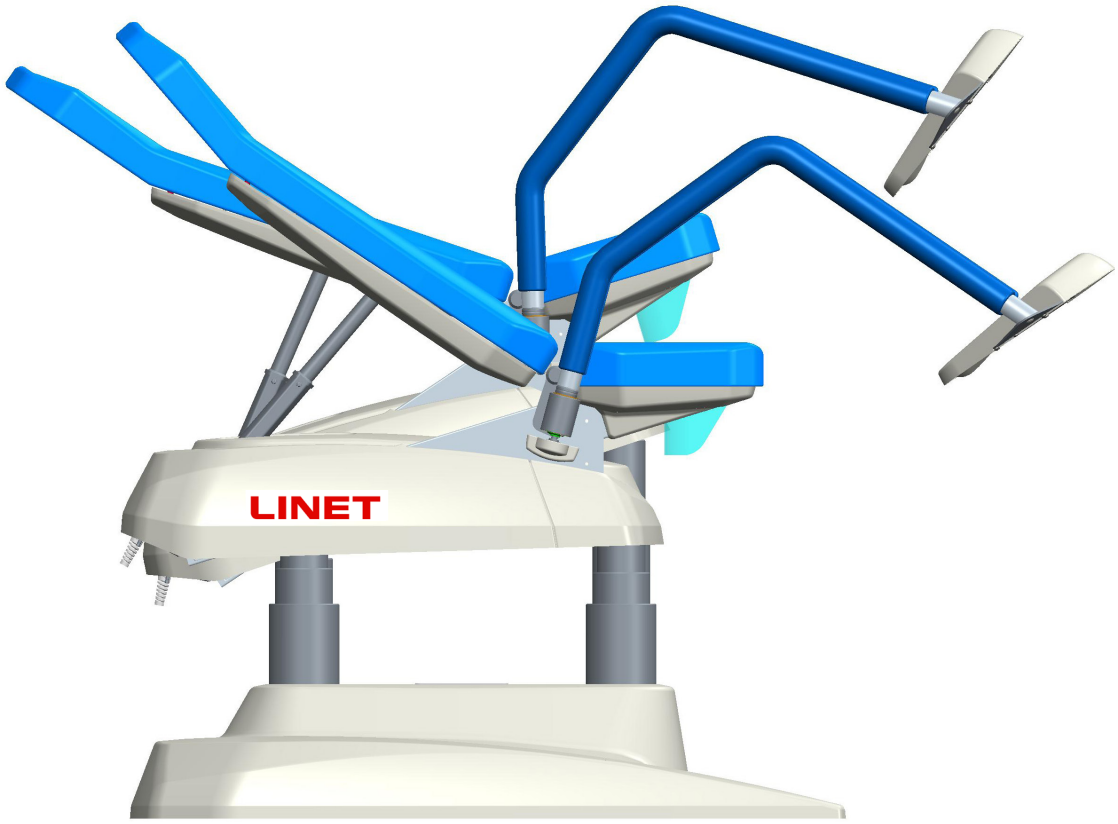
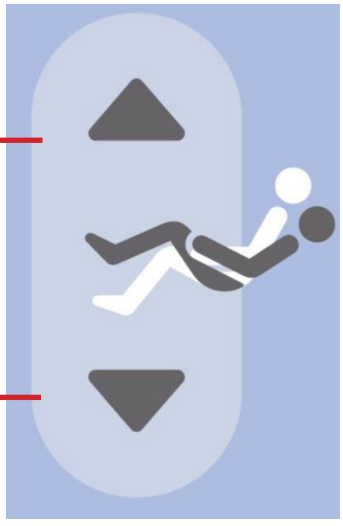


Fig. Positioning of the sitting section

For sitting section positioning use:

► Hand controller
► Foot controller

During continuous positioning, the seat automatically stops in 12°. To continue positioning, release the button, then press and hold it until you reach the desired position. When adjusting the height of the chair in the range of seat tilt 12°–20°, the backrest automatically raises to its upper position.



1. Seat section upwards

2. Seat section down-wards

Hand controller, foot controller:

► Press button for adjustment of the selected sitting section, until intended position is reached.

Fig. Sitting section adjustment button (Manual controller, Foot controller)

11.2.3 Backrest

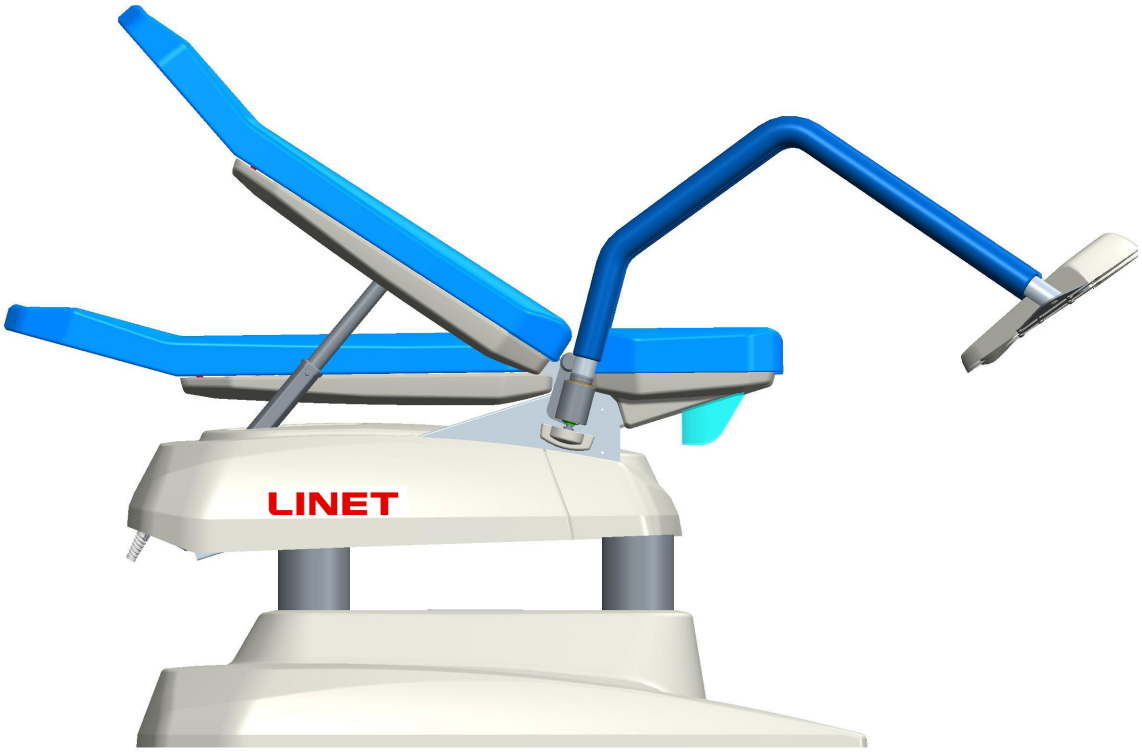
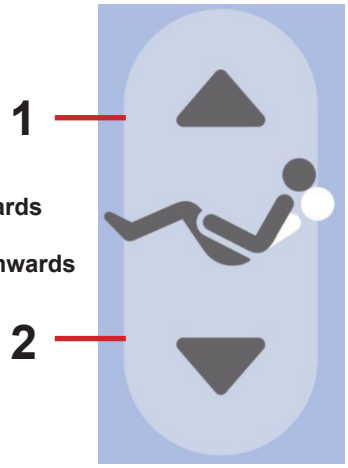


Fig. Backrest Positioning

To position Backrest use:

► Foot controller
► Hand controller

If the seat section is set in the range of 12°–20°, it is not possible to position with the backrest - there is a risk of tilting patient backwards.



1. Backrest upwards

2. Backrest downwards

Hand controller, foot controller:

► Press button for adjustment of the backrest until intended position is reached.

Fig. Backrest adjustment button (Manual controller, Foot controller).

11.2.4 Footrests/Goepel footrests adjustment (only for electric vertical movement of the footrests)

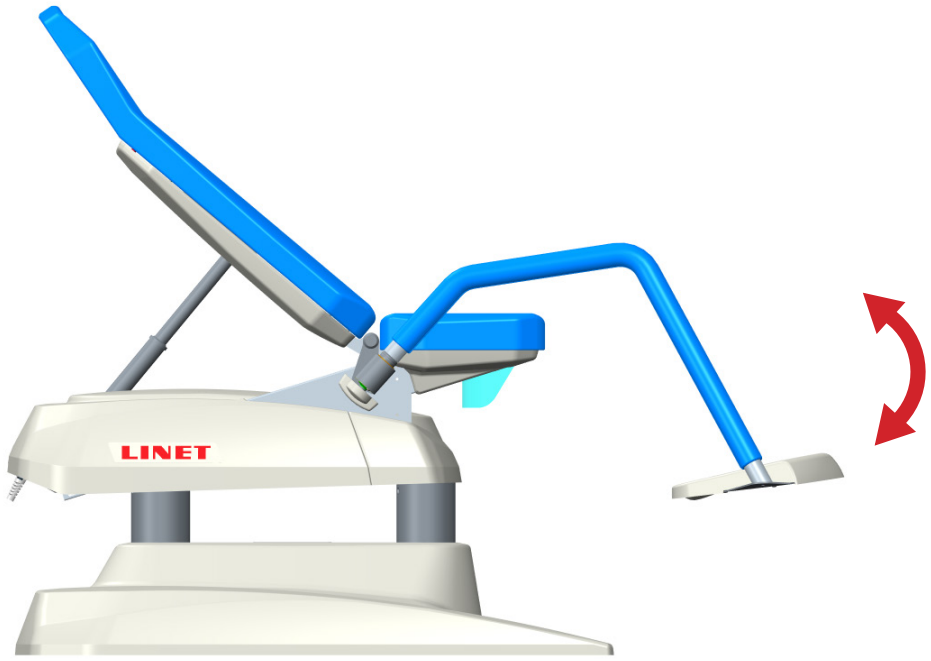
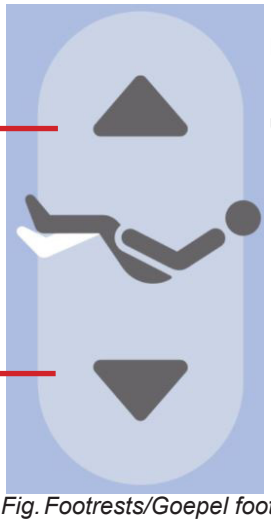


Fig. Footrests/Goepel footrests adjustment (only for electric vertical movement of the footrests)

WARNING!
Improper handling can cause injury to the patient or operator!

Use to adjust the position of the footrests:

► Hand controller



1. Footrests height upwards
2. Footrests height downwards

Hand controller:

► Press button for adjustment of the footrest until intended position is reached.

Fig. Footrests/Goepel footrests adjustment button

11.2.5 Manually adjustable Goepel footrests (vertically)

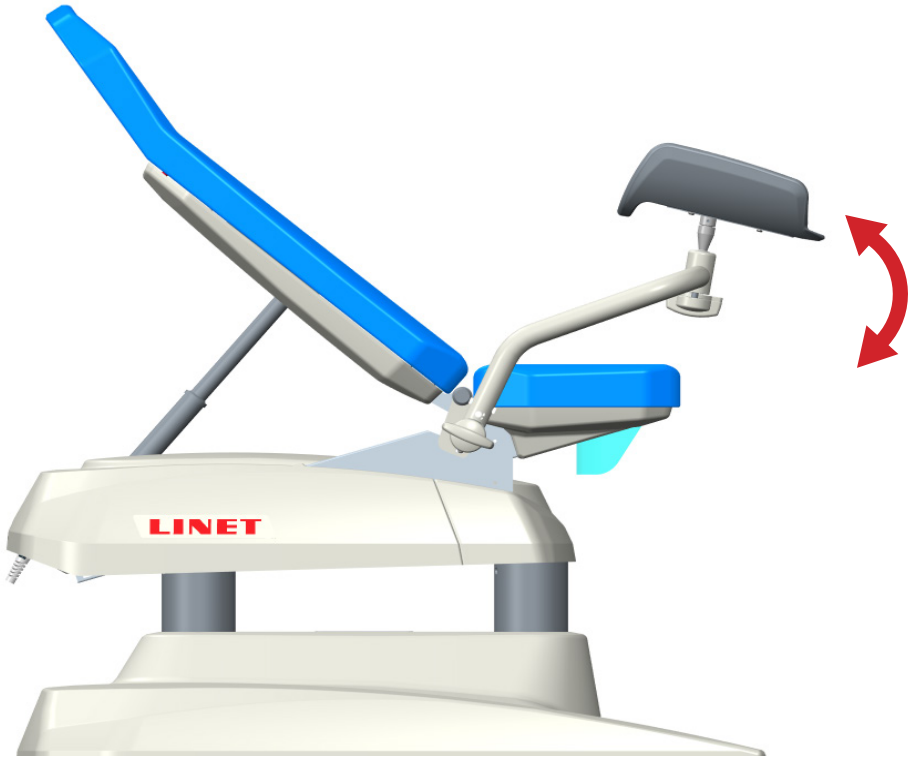


Fig. Manually adjustable Goepel footrests (vertically)

WARNING!
Improper handling can cause injury to the patient or operator!
► Hold Goepel whenever you manipulate it!
► Carefully lower the Goepel to prevent the Goepel from falling immediately!

To adjust the position of the Goepel footrests, use:

► Manual setting

Lifting / lowering of Goepel:

►Hold the Goepel arm
►Slide the side rosette slightly
►Set the Goepel arm to the desired position
►Tighten the rosette
►Make sure that the Goepel arm is held firmly

11.2.6 Position for patient examination

Fig. Position for patient examination

To position patient for examination use:

► Hand controller
► Foot controller

Fig. Position button for patient examination (Hand controller, Foot controller).

Hand controller, foot controller:

► Press button, until intended position is reached.

11.2.7 Patient mounting position

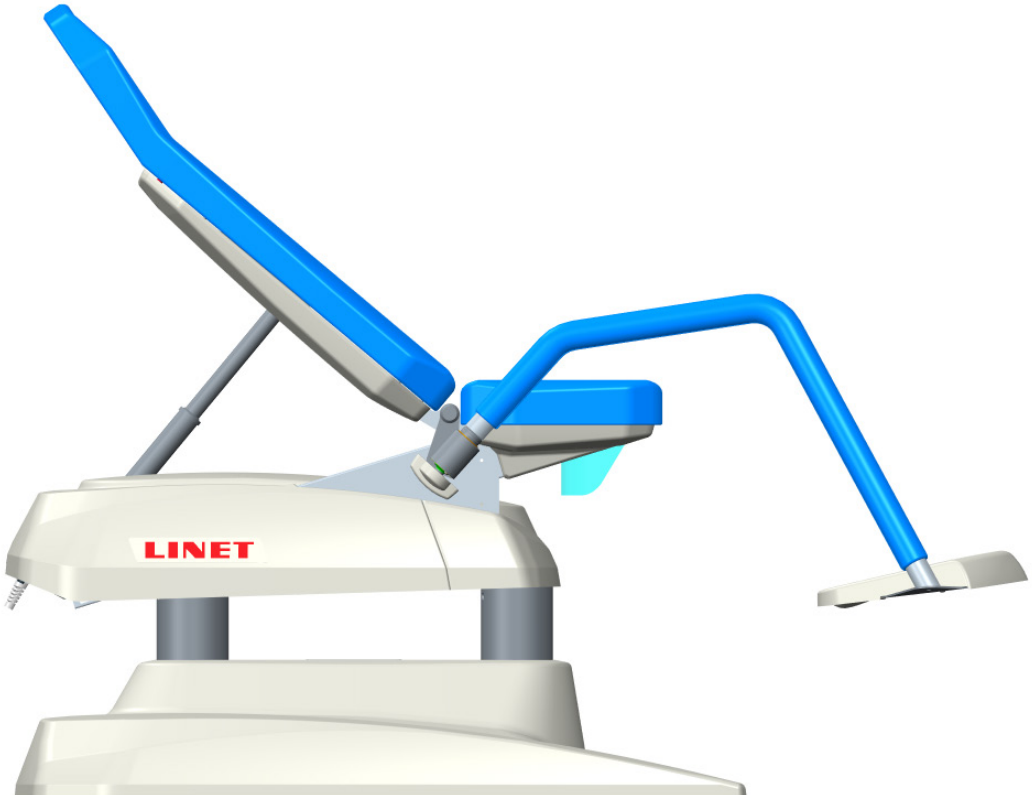


Fig. Mounting position

To position the chair for mounting of a patient use:

► Hand controller
► Foot controller

Fig. Position button for mounting of a patient (Hand controller, Foot controller).

Hand controller, foot controller:

► Press button, until intended position is reached.

11.2.8 Straight position

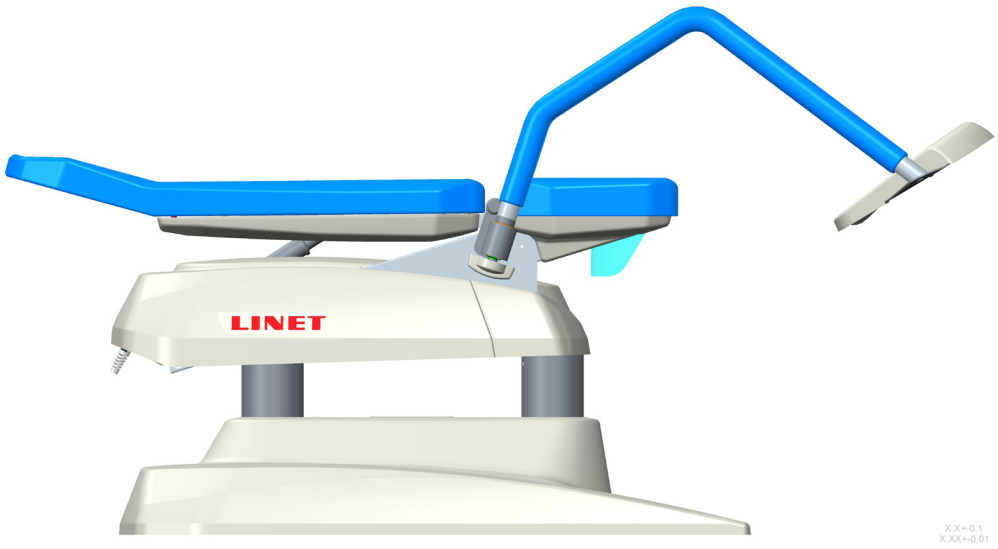


Fig. Straight position

For straight position use:

► Hand controller

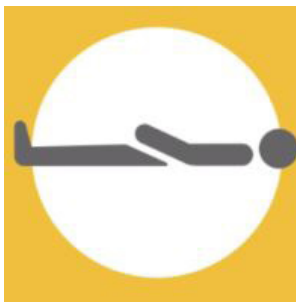


Fig. Straight button (Hand controller).

Hand controller, foot controller:

► Press button, until intended position is reached.

11.2.9 Trendelenburg Emergency Position

Fig. Trendelenburg Emergency Position/Trendelenburg Tilt

To position Emergency Trendelenburg Position use:

► Hand controller

Trendelenburg position is suitable if the patient is in shock.
During Trendelenburg Position the lying area is straightened in the tilt.

Fig. Trendelenburg tilt button (Hand controller)

Operator´s Manual Control Panel:

► Press the Trendelenburg tilt button, until intended position is reached.

11.2.10 Adjusting the straight position using the buttons for adjusting the height of the chair and the back part

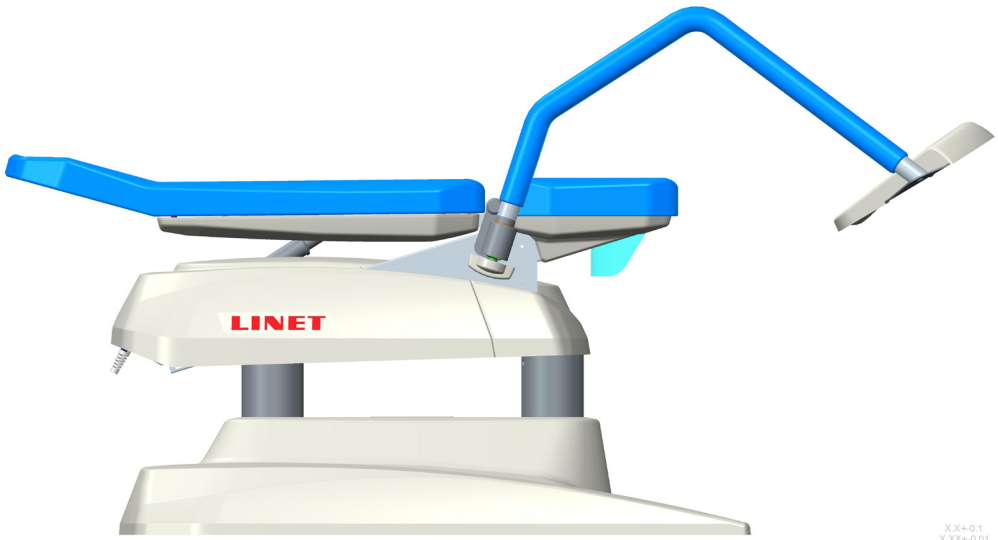


Fig. Straight position

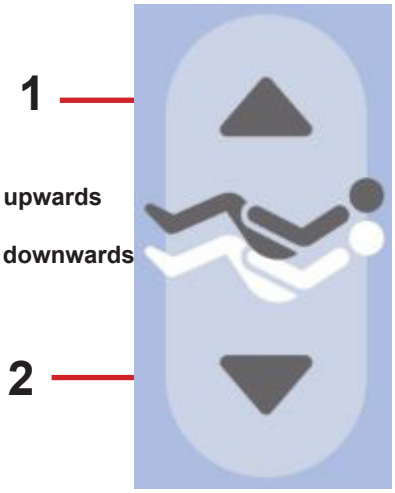
For straight position use:

► Hand controller, foot controller

1) Use the downward adjustment button to set the chair to the lowest position
2) Use the downward adjustment button to set the backrest to the lower end position

Hand controller, foot controller:

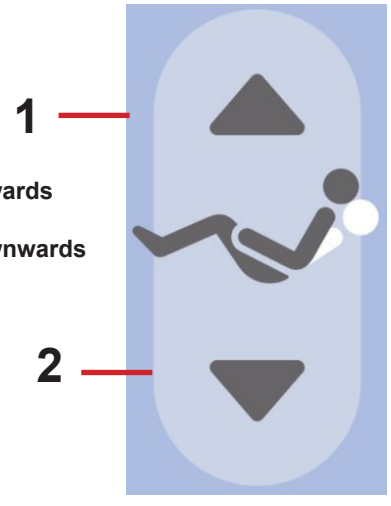
► Press button, until intended position is reached.



1. Chair height upwards

2. Chair height downwards

Fig. Chair height adjustment button (Manual controller, Foot controller)



1. Backrest upwards

2. Backrest downwards

Fig. Backrest adjustment button (Manual controller, Foot controller).

11.2.11 Trendelenburg emergency position adjustment using the backrest and seat section adjustment buttons

Fig. Trendelenburg Emergency Position/Trendelenburg Tilt

To position Emergency Trendelenburg Position use:

► Hand controller, foot controller

Trendelenburg position is suitable if the patient is in shock.
During Trendelenburg Position the lying area is straightened in the tilt.

1) Use the downward adjustment button to set the backrest to the lower end position
2) Use the seat adjustment button upwards to set the seat to a position of approx. 12° (short acoustic signalization)

Operator´s Manual Control Panel:

► Press the Trendelenburg tilt button, until intended position is reached.

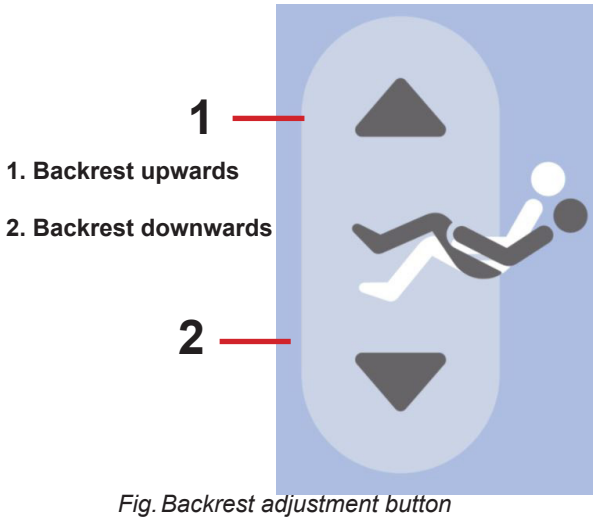


Fig. Backrest adjustment button (Manual controller, Foot controller).

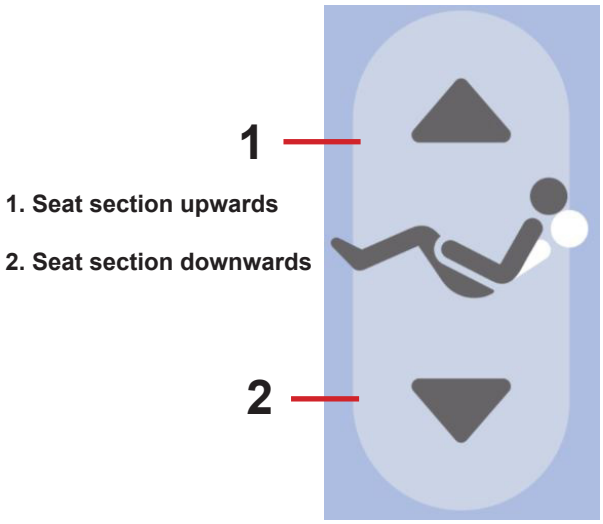


Fig. Sitting section adjustment button (Manual controller, Foot controller)

12 Mandatory optional equipment

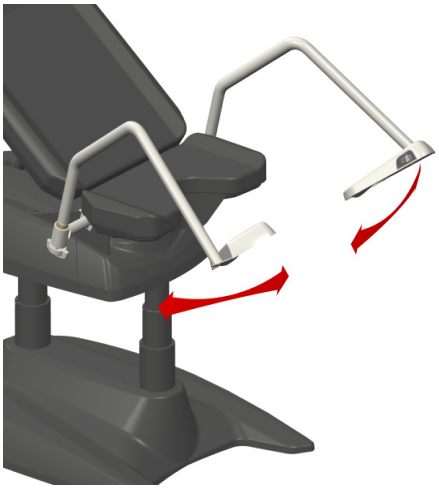
WARNING!
Risk of injury due to incompatible accessories!
► Use exclusively original equipment from the manufacture.
The manufacturer is not responsible for the use of unapproved accessories.

WARNING!
Risk of injury due to damaged equipment!
► Use only equipment in perfect condition.

MANDATORY OPTIONAL EQUIPMENT (optional equipment)	Head end	Foot end	on the sides
Footrests - without vertical adjustment		✔	
Footrests - electrically operated		✔	
Goepel footrests (hereinafter only Goepel) - without vertical adjustment		✔	
Goepel footrests (hereinafter only Goepel) - electrically operated		✔	
Goepel footrests (hereinafter only Goepel) – manual position adjustment		✔	
Bowl holder L		✔	
Bowl holder R		✔	
Hand controller L		✔	
Hand controller R		✔	

12.1 Footrests - without vertical adjustment

WARNING!
- ► Improper handling can cause injury to the patient, or operator!
- ► The footrests are not intended for stepping and leaning the body - there is a risk of instability of the chair
- ► The footrests are intended to support the feet when the patient is sitting / lying down
- ► Always make sure that the supports are sufficiently secured before use
- ► Each support can be loaded with weights of 16 kg / 35 lb
- ► In the event of an overload, the support will drop - immediately relieve the support - there is a risk of damage
- ► When handling the chair (moving downwards) take extra care to avoid collisions with surrounding objects (eg. chair)



Manipulation:

- ► Insert the support into the holder and secure it from below with a rosette
- ► Movement of the arm from the centre / to the centre of the chair:

  - ■ grab the footrest arm
  - ■ slightly loosen the rosette
  - ■ adjust the footrest to the desired position
  - ■ retighten the rosette
  - ■ make sure that the Goepel arm is held firmly

Replacement for Goepel

(if both variants are ordered as part of the chair)
(footrests / footrests Goepel)

  - ■ grab the footrest
  - ■ unscrew the lower rose
  - ■ remove the footrest from the holder
  - ■ set the footrest aside
  - ■ grab the Goepel
  - ■ insert the Goepel into the holder
  - ■screw in the lower rose
    make sure the Goepel is held firmly

12.2 Footrests - electrically operated

WARNING!
- ► Improper handling can cause injury to the patient, or operator!
- ► Footrests are not intended for stepping and leaning the body - there is a risk of instability of the chair
- ► The footrests are intended to support the feet when the patient is sitting / lying down
- ► Always make sure that the supports are sufficiently secured before use
- ► Each support can be loaded with weights of 16 kg / 35 lb
- ► In the event of an overload, the support will drop - immediately relieve the support - there is a risk of damage chair
- ► In the event of an impact from below, the support will be raised - immediately stop moving downwards - there is a risk of instability of the chair
- ► When handling the supports take extra care - risk of collisions with surrounding objects (eg. chair)
- ► When handling the chair (moving downwards) take extra care to avoid collisions with surrounding objects (eg. chair)

Manipulation:

- ► Insert the support into the holder and secure it from below with a rosette
- ► Movement of the arm from the centre / to the centre of the chair:
  - ■ grab the footrest arm
  - ■ slightly loosen the rosette
  - ■ adjust the footrest to the desired position
  - ■ retighten the rosette
  - ■ make sure that the Goepel arm is held firmly
- ► Movement of the arm up / down
  - ■ The movement is performed using the buttons on the hand controller intended for the movement of the footrests

Replacement for Goepel

(if both variants are ordered as part of the chair)
(footrests / footrests Goepel)

- ■ grab the footrest
- ■ unscrew the lower rose
- ■ remove the footrest from the holder
- ■ set the footrest aside
- ■ grab the Goepel
- ■ insert the Goepel into the holder
- ■ screw in the lower rose and make sure that the Goepel is held firmly

12.3 Goepel footrests (hereinafter only Goepel)- without vertical adjustment

WARNING!
► Improper handling can cause injury to the patient, or operator!
► Goepel is not intended for stepping and leaning the body - there is a risk of instability of the chair
► Goepel is intended to support the feet when the patient is sitting / lying down
► Always make sure that the Goepel is sufficiently secured before use
► In the event of an overload, the Goepel will drop - immediately relieve the support - there is a risk of damage chair
► When handling the Goepel take extra care - risk of collisions with surrounding objects (eg. chair)
► When handling the chair (moving down) take extra care to avoid collisions with surrounding objects (eg. chair)

Manipulation:

► Insert the Goepel into the holder and secure it from below with a rosette
► Movement of the arm from the centre / to the centre of the chair:

- Grab the Goepel arm
- Slightly loosen the bottom rosette
- ►Set the Goepel to the desired position
- Retighten the rosette
- make sure that the Goepel arm is held firmly

► **Goepel bowl movement:**

- grasp the bottom of the Goepel bowl
- Slightly loosen the upper rosette
- Set the Goepel bowel to the desired position
- Retighten the rosette
- Make sure the Goepel bowel is held firmly

Change for footrest
(if both variants are ordered as part of the chair)
(footrests / footrests Goepel)

- grab the Goepel
- unscrew the lower rose
- remove Goepel from the holder
- set the Goepel aside
- grab the footrest
- insert footrest into the holder
- make sure that the footrests is held firmly

12.4 Goepel footrests (hereinafter only Goepel)- electrically operated

WARNING!
- ► Improper handling can cause injury to the patient, or operator!
- ► Goepel is not intended for stepping and leaning the body - there is a risk of instability of the chair
- ► Goepel is intended to support the calf when the patient is sitting / lying down
- ► Always make sure that the Goepel is sufficiently secured before use
- ► In the event of an overload, the Goepel will drop - immediately relieve the support - there is a risk of damage chair
- ► When handling the Goepel take extra care - risk of collisions with surrounding objects (eg. chair)
- ► When handling the chair (moving down) take extra care to avoid collisions with surrounding objects (eg. chair)

Manipulation:

► Insert the Goepel into the holder and secure it from below with a rosette
► Movement of the arm from the centre / to the centre of the chair:

- ■ Grab the Goepel arm
- ■ Slightly loosen the bottom rosette
- ■ Set the Goepel to the desired position
- ■ Retighten the rosette
- ■ Make sure that the footrest arm is held firmly

► **Movement of the arm up / down:**

- ■ The movement is performed using the buttons on the hand controller intended for the movement of the Goepel

► **Goepel bowl movement:**

- ■ grasp the bottom of the Goepel bowl
- ■ Slightly loosen the upper rosette
- ■ Set the Goepel bowel to the desired position
- ■ Retighten the rosette
- ■ Make sure the Goepel bowel is held firmly

Change for footrest
(if both variants are ordered as part of the chair)
(footrests / footrests Goepel)

- ■ grab the Goepel
- ■ unscrew the lower rose
- ■ remove Goepel from the holder
- ■ set the Goepel aside
- ■ grab the footrest
- ■ insert footrest into the holder
- ■ make sure that the footrests is held firmly

12.5 Goepel footrests (hereinafter only Goepel) – manual position adjustment

WARNING!
► Improper handling can cause injury to the patient, or operator!
► Hold Goepel whenever you manipulate it!
► Carefully lower the Goepel to prevent the Goepel from falling immediately!
► Goepel is not intended for stepping and leaning the body - there is a risk of instability of the chair
► Goepel is intended to support the calf when the patient is sitting / lying down
► Always make sure that the Goepel is sufficiently secured before use
► In the event of an overload, the Goepel will drop - immediately relieve the support - there is a risk of damage chair
► When handling the Goepel take extra care - risk of collisions with surrounding objects (eg. chair)
► When handling the chair (moving down) take extra care to avoid collisions with surrounding objects (eg. chair)

Manipulation:

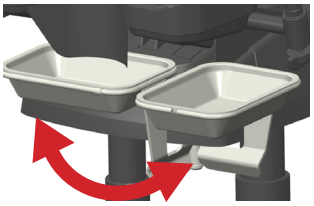
► Movement of the arm:

- Hold the Goepel arm
- Slightly loosen the side rosette,
- Set the Goepel arm to the desired position
- Retighten the rosette
- Make sure the Goepel arm is held firmly

► Goepel bowl movement:

- grasp the bottom of the Goepel bowl
- Slightly loosen the upper rosette
- Set the Goepel bowel to the desired position
- Retighten the rosette
- Make sure the Goepel bowel is held firmly

12.6 Bowl holder L



The bowl is set to the working position on **rotating holder.**

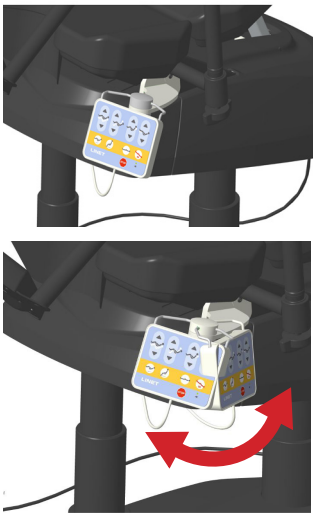
WARNING!
Take extra care when getting on and off the chair. The bowl should only be extended during the patient's examination.
► When turning, beware of collisions with accessories (eg. lamp)

12.7 Bowl holder R

The bowl is set to the working position on **rotating holder.**

WARNING!
Take extra care when getting on and off the chair. The bowl should only be extended during the patient's examination.
► When turning, beware of collisions with accessories (eg. lamp)

12.8 Hand controller L



Serves for control of the chair. It is located on the left side of the chair.

WARNING!
Take extra care when getting on and off the chair.
► The hand control is connected exclusively to "electrically operated footrests and electrically operated Goepel footrests"

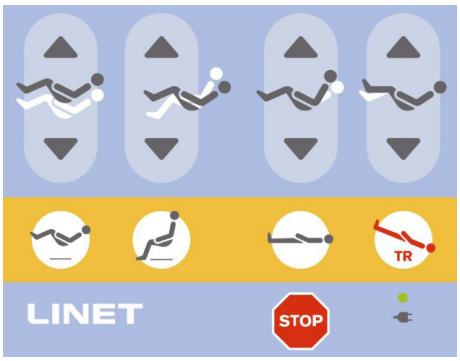
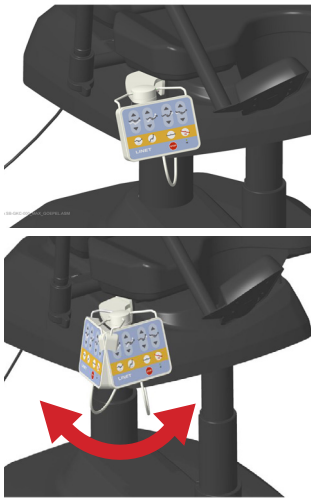


Fig. Hand controller - description of functions chap. 10.2.1.

12.9 Hand controller R

Serves for control of the chair. It is located on the right side of the chair.



WARNING!
Take extra care when getting on and off the chair.
► The hand controller is connected exclusively to "electrically operated footrests and electrically operated Goepel-type footrests"

Fig. Chair with footrests - electrically operated

Fig. Chair with the Goepel footrests - electrically operated

Fig. Chair with footrests - manual position adjustment

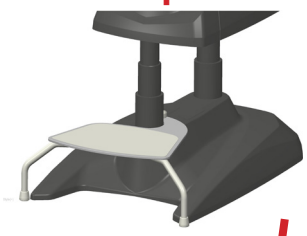
13 Optional equipment

WARNING!
Risk of injury due to incompatible accessories!
► Use exclusively original equipment from the manufacture.
The manufacturer is not responsible for the use of unapproved accessories.

WARNING!
Risk of injury due to damaged equipment!
► Use only equipment in perfect condition.

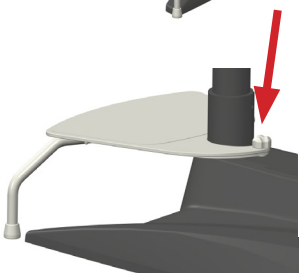
OPTIONAL EQUIPMENT (optional equipment)	Head end	Foot end	on the sides
Step L		✔	
Step R		✔	
Eurobar L			✔
Eurobar R			✔
Lamp L		✔	
Lamp R		✔	
Paper roll holder L	✔		
Paper roll holder R	✔		
Castors		✔	
Patient surface extension		✔	

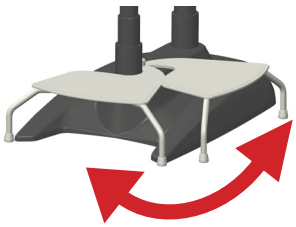
13.1 Step L



Serves for patient step on. In the inactive position, it is located on the left side of the chair.

WARNING!
Take extra care when getting on and off the step. The step is covered with anti-slip foil.
► When turning the step, beware of collisions with accessories (eg tool table, foot controller, colposcope holder).
► Cannot be combined with the colposcope holder for the right side.
► The maximum load is 180 kg.

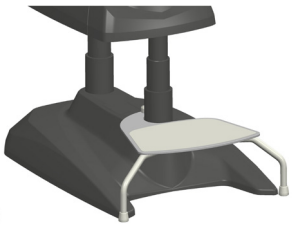




Manipulation:

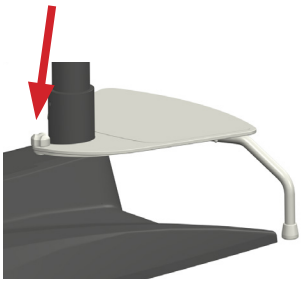
► When disassembling, first unscrew the rose from the back of the step.

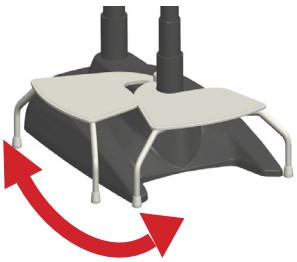
13.2 Step R



Serves for patient step on. In the inactive position, it is located on the right side of the chair.

WARNING!
Take extra care when getting on and off the step. The step is covered with anti-slip foil.
► When turning the step, beware of collisions with accessories (eg tool table, foot controller, colposcope holder).
► Cannot be combined with the colposcope holder for the left side.
► The maximum load is 180 kg.

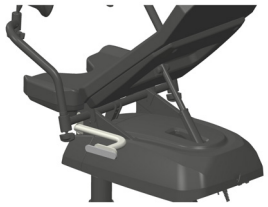




Manipulation:

► When disassembling, first unscrew the rosette from the back of the step.

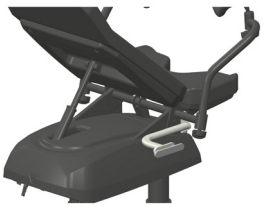
13.3 Eurobar L



Used to place accessories, such as an infusion stand.

WARNING!
The maximum load – see technical data.
► Please ensure that when moving the chair up and down, the surrounding objects are not caught, or persons captured by the eurobar.
► The maximum static load is 16 kg.

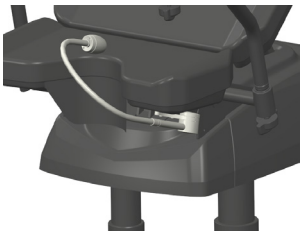
13.4 Eurobar R

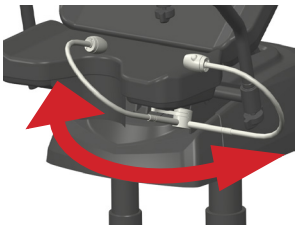


Used to place accessories, such as an infusion stand.

WARNING!
The maximum load – see technical data.
► Please make sure that it does not get caught when moving the chair up and down are not caught, or persons captured by the eurobar.
► The maximum static load is 16 kg.

13.5 Lamp L

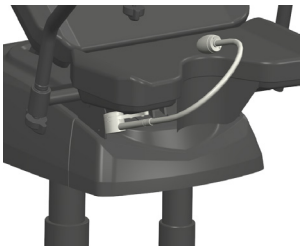


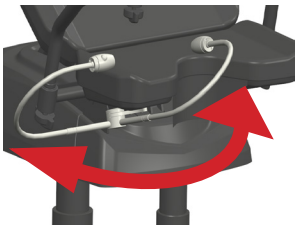


Serves for patient examination. In the inactive position, it is located on the left side of the chair.

WARNING!
Take extra care when getting on and off the chair. Lamp must be in the inactive position.
- ► When turning the lamp, beware of collisions with accessories (eg. tool table, footrests, colposcope).
- ► Cannot be combined with the colposcope for the left side and with the hand controller for the left side.

13.6 Lamp R





Serves for patient examination. In the inactive position, it is located on the right side of the chair.

WARNING!
Take extra care when getting on and off the chair. Lamp must be in the inactive position.
- ► When turning the lamp, beware of collisions with accessories (eg. tool table, footrests, colposcope).
- ► Cannot be combined with the colposcope for the right side and with the hand controller for the right side.

13.7 Paper roll holder L

Paper roll holder (for a maximum roll of length 60 cm).

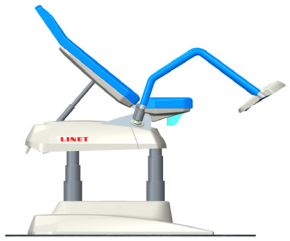
WARNING!
For paper roll only!
- ► It does not serve for any manipulation of the chair or as a transport handle!
- ► The maximum load is 2 kg

13.8 Paper roll holder R

Paper roll holder (for a maximum roll of length 60 cm).

WARNING!
For paper roll only!
- ► It does not serve for any manipulation of the chair or as a transport handle!
- ► The maximum load is 2 kg

13.9 Castors



The castors serve only for moving the chair within the surgery (eg. when cleaning).

WARNING! No one may sit on the chair when activating, using and deactivating the castors.

- ► With the castors in the active position, the thresholds and other irregularities must not be passed. Castors are not intended for transporting the chair.
- ► Always handle the chair with the mains cable disconnected.
- ► Ensure that no cables are run over when moving the chair.
- ► Disconnect the step before handling the chair.

Procedure for activating / deactivating the castors

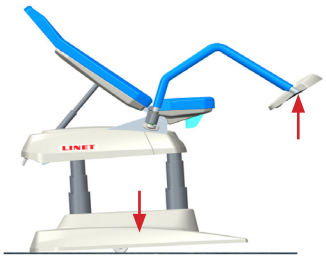


Fig. Activating the castors

Activation of handling wheels:

1) Set the chair to the lowest position
2) Grasp the footrests and lift the chair slightly until you hear the sound (one click) of the castors locking in the active position (if you hear 2 clicks, the castors are not in the active position).
3) Lower the chair
4) When handling the chair, keep the chair in a horizontal position with footrests

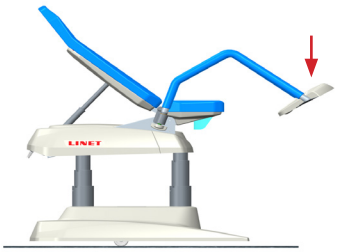


Fig. Active castors

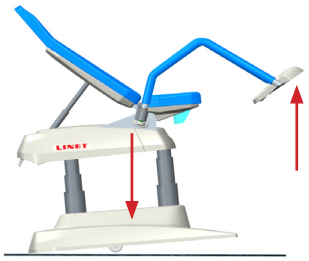


Fig. Deactivating the castors

Deactivation of the castors:

1) Grasp the footrests and lift the chair slightly until you hear the sound (one click) of unlocking of the castors
2) Lower the chair

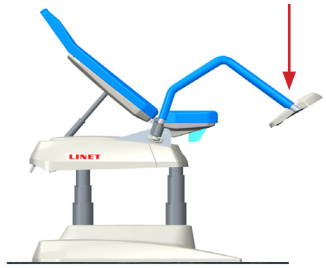


Fig. Deactivated castors

13.10 Patient surface extension

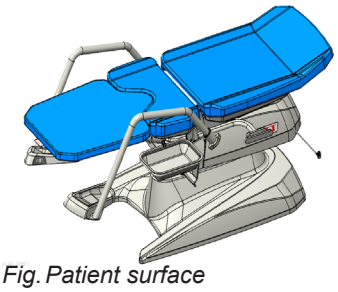


Fig. Patient surface

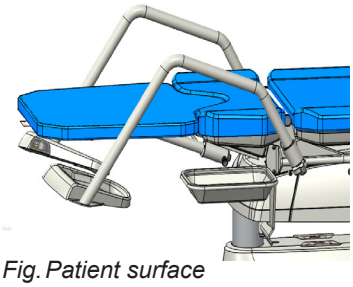


Fig. Patient surface

This accessory is used to create a flat patient surface, suitable for patients in a lying position for longer procedures.

WARNING!

- ► Improper handling can cause injury to the patient or operator!
- ► The patient surface is a detachable accessory!
- ► Only trained personnel can handle and operate the patient surface!
- ► The patient surface must not be fitted in the opposite direction! Before fitting the patient surface onto the chair, the upholstery must face upwards.
- ► The chair must be in the lowest position before the patient surface is retracted.
- ► The patient surface may only be used in the chair's lowest position.
- ► The patient surface must always be unloaded when sliding it in/pulling it out.
- ► The maximum load of the patient surface is 45 kg/99 lb.
- ► Always make sure that the patient surface is sufficiently secured before use.
- ► Take extra care when getting on and off the chair.
- ► It is only possible to get onto the chair from the side of the chair, over the seat.
- ► Patients should not get onto the chair via the front of the chair because there is a risk of chair instability.
- ► The patient surface is intended to be used for placing the patient's legs on when the patient is lying down.
- ► Take extra care when handling the patient surface — risk of collisions with surrounding objects (e.g. footrest).
- ► Transportation of the chair is prohibited while the patient surface is installed.
- ► Transportation of the patient is prohibited while the patient surface is installed.
- ► The patient surface must not be used to activate the castors. Only the footrests should be used for lifting and subsequently activating the castors.
- ► Take extra care when removing the patient surface from the chair. There is a risk of damaging the padded area as well as a risk of injury by tripping over or crashing into the removed patient surface.

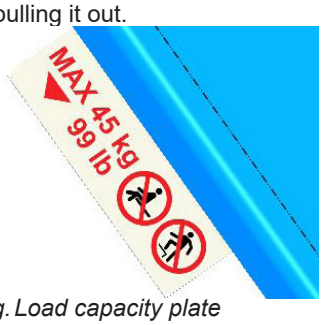


Fig. Load capacity plate

Handling:

Installation:

1) Hold the patient surface extension with both hands on the long sides of the upholstery, with the upholstery facing upwards and the guide bars facing away from you
2) Insert the guide bars into both holes in the bracket under the seat (Fig. 1)
3) Slide the patient surface extension as close as possible to the seat cushion (Fig. 2) until the locking pin clicks into place (Fig. 3)
4) Before use, try to pull the extended patient surface away from the seat to ensure that the patient surface extension is properly secured.

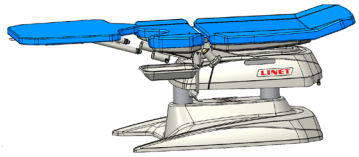


Fig. 1 Fitting the patient surface

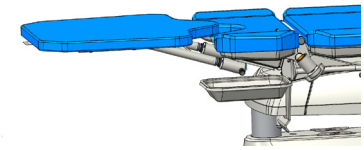


Fig. 2 Fitting the patient surface

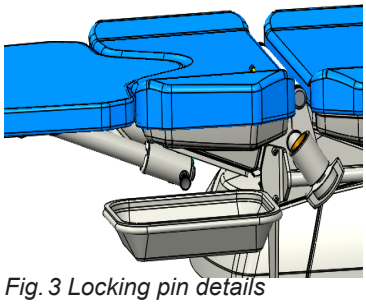


Fig. 3 Locking pin details

Removal:

1) Stand facing the head of the patient surface extension (load capacity plate side)
2) Pull the locking pin with one hand (Fig. 4) while pulling the patient surface extension away from the chair with the other hand (Fig. 5)
3) Then hold the patient surface extension on the long sides of the upholstery with both hands and pull the patient surface extension away from the chair until the guide bars are fully removed from both bracket holes (Fig. 6)
4) Store the patient surface extension in a safe place where it will not obstruct movement around the office

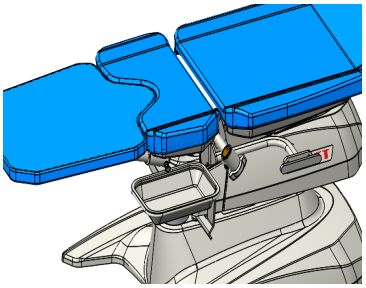


Fig. 4 Pulling out the locking pin

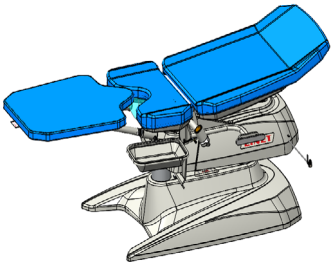


Fig. 5 Pulling out the patient surface

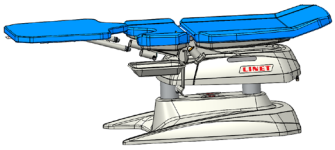


Fig. 6 Removing the patient surface

14 Accessories

ACCESSORIES	Head end	Foot end	on the sides
Infusion stand			✔
Eurobar holder			✔
Headrest (cushion)	✔		
Physician's chair —ergonomic		✔	
Physician's chair —ergonomic - adjustable by feet		✔	
Physician's chair, height-adjustable, manual locking		✔	
Short cover		✔	
Long cover		✔	

14.1 Infusion stand

The stand is made of stainless steel. Height adjustable telescopically.

WARNING!
The maximum load capacity of one hook is 2 kg!
The maximum load capacity is 8 kg
Risk of injury due to use of incorrect accessories or because of incorrect use!
Infusion stands must only be used for their intended use. Always read the User manual!
► Only mount an infusion pump to the lower (wider) telescopic section of an infusion stand above the head end.
► Never mount an infusion pump to the upper (thinner) telescopic section of an infusion stand.
► Ensure the infusion pump will not collide with any movable parts of the chair (especially Backrest part) or with a patient. This must be verified after installation.
► Do not over tighten the infusion pump clamps during installation. Over tightening may damage the infusion stand.
► Infusion pump can be only used if the infusion stand is fitted in the accessory holder socket in the head section on the under carriage of the chair.
► Do not use infusion stands as a means of steering / pushing the chair during transport of the chair.

WARNING!
► Use exclusively infusion stands with 4 hooks for hanging IV bags or baskets for intravenous solutions.
► Ensure that the safe operating load of 2 kg is not exceeded for the individual hooks of the infusion stand.
► Make sure that the max. operating load of 15 kg is not exceeded for the infusion stand.

Infusion stands are designed to provide suitable support for mounting infusion pumps / linear dispensers and for hanging infusion bags or bottles.

14.2 Eurobar holder

WARNING!
The maximum load capacity is 9.5 kg!
Risk of injury due to use of incorrect accessories or because of incorrect use!
► Eurobar holder must only be used for their intended use. Always read the User Manual!
► Before use, make sure that the eurobar holder is correctly and securely attached to the eurobar.

14.3 Headrest (pillow)

The comfortable height-adjustable headrest provides support for the patient's head. The cushion with elastic strap can be easily removed.

14.4 Physician's chair —ergonomic

Height adjustable, manual locking

WARNING!
► Do not use excessive force when operating the drive or the mechanism of the stool!
► Check the function of the control - piston stroke.
► The maximum static load is 120 kg.

14.5 Physician's chair — ergonomic, adjustable by feet

Height adjustable, foot locking.

WARNING!
► Do not use excessive force when operating the drive or the mechanism of the stool!
► Check the function of the control - piston stroke.
► The maximum static load is 120 kg.

14.6 Physician's chair — height-adjustable, manual locking

Height adjustable, manual locking

WARNING!
► Do not use excessive force when operating the drive or the mechanism of the stool!
► Check the function of the control - piston stroke.
► The maximum static load is 150 kg.

14.7 Short cover

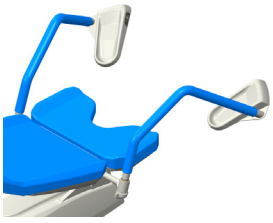
Imitation leather unbuttoned cover for the arm of the footrest and arm of the Goeple footrest for increased patient comfort when gripping the arm.

Fig. Chair with footrests - electrically-operated/ without vertical adjustment

Fig. Chair with Goepel footrests - electrically-operated/ without vertical adjustment

Fig. Chair with footrests - manual position adjustment

14.8 Long cover



Imitation leather unbuttoned cover for the arm of the footrest for increased patient comfort when gripping the arm.

15 Cleaning/Disinfection

WARNING!
Risk of injury due to accidental chair movement!
► Always disable the function buttons when cleaning between the undercarriage and lying area.

WARNING!
Material damage due to incorrect cleaning/disinfection!
► Do not use washing machines.
► Do not use pressure or steam cleaners.
► Follow the instructions and observe the dosages recommended by the manufacturer.
► Ensure that disinfectants are selected and applied exclusively by qualified hygiene experts.

► **Respect used materials during cleaning and disinfection! For information see the following table.**

Chair components	Chair components
Undercarriage construction, frame construction, footrest holder,	Painted steel
Columns	Anodized aluminium alloy
Footrest construction	Painted steel, acrylonitrile styrene acrylate (ABS)
Construction of the seat, backrest	Polyvinylchloride (PVC)
Undercarriage cover, backrest cover	Acrylonitrile butadiene styrene (ABS)
Goepel footrests	Acrylonitrile butadiene styrene (PUR), painted steel
Handset	Acrylonitrile butadiene styrene (ABS), polyethylene (PE)
Labels	Polyethylene terephthalate (PET)
Drives	Polyamide 6 (PA6), aluminium (Al)
Bowl	Stainless steel, acrylonitrile butadiene styrene (ABS)
Film-covered handset (hand, foot)	Polyethylene (PE)
Eurolath	Painted steel, stainless steel
Mattress support platform extension	Polyvinylchloride (PVC), painted steel, stainless steel
Step	Painted steel, high pressure laminate (HPL) plate, ethylene-vinyl acetate (EVA)
Lamp	Anodized aluminium alloy, painted steel, polyvinylchloride (PVC)
Paper roll holder	Painted steel
Colposcope holder	Painted steel, painted aluminium

15.1 Cleaning (Graciella)

The chair prepare for cleaning as follows:

► Put the chair in the highest position.
► Adjust the backrest so that the reverse sides are accessible.
► Disconnect chair from the mains.

15.1.1 Daily Cleaning

Clean the following chair parts:

- All control elements for adjusting the chair
- All handles
- Freely accessible upholstery surface

15.1.2 Full Cleaning and Disinfection

Clean the following chair parts:

- All control elements for adjusting the chair
- Support areas comprising a head cushion starting from the head section towards the bottom section
- Hinges and handles
- Footrests
- Chair frame
- Lift the left plastic chassis cover and clean the contaminated areas
- IV pole and holder
- Castors and brake pedals

For safe and gentle cleaning:

► Do not use any strong acids or bases (optimum pH range 6–8).
► Exclusively use detergents that are suitable for cleaning medical equipment.
► Do not use abrasive powders, steel wool, or other materials and cleaning agents.
► Never use any corrosive or caustic detergents.
► Never use detergents that deposit calcium carbonate.
► Never use detergents with solvents that might affect the structure and consistency of the plastics (benzene, toluene, acetone, etc.).
► Clean electrical components carefully and allow them to dry completely.
► Do not immerse SCU in water or steam-clean it.
► Observe local directives regarding infection control.
► Do not use open flame when working with cleaning and disinfecting agents!
► Discoloration of the upholstery due to the transfer of colour pigment from clothing or other products coming into contact with the surface (e.g. jeans pants) is not a sign of reduced quality of the leatherette and this discoloration cannot be claimed under warranty.
► Make sure any cleaning agent used is approved by:

Recommended disinfection (disinfectants for wiping)		
RTU- means for direct use without dilution - spray or foam, must be spread		
Active substance	**Method of use**	**Example of disinfectant**
Amine, alcohol up to 30 %	spray and spread	Incidin foam
Hydrogen peroxide	spray and spread	Incidin OxyFoam S
Alcohol up to 30 %	spray and spread	Bacillol 30 Foam
Towels and napkins		
QAS	wiping	Sani cloth active
Hydrogen peroxide	wiping	Incidin OxyWipe S
Amine, alcohol up to 30 %	wiping	Bacillol 30 tissues
Concentrated preparations, intended for dilution		
Active substance	Concentrated preparations, intended for dilution Example of disinfectant	
Glucoprotamine	0.5 %	Incidin plus
Amine, QAS	0,5-1 %	Terralin protect
Oxygen, QAS	1 %	Desam OX
Oxygen, QAS	1 %	Incidin Oxydes
Amine, QAS	0.5 %	Incidin pro
Amine, QAS	0.5 %	Surfanios premium
Oxygen	0.5 %	Anios Oxy Floor
Oxygen	1 %	Incidin Active
Oxygen	1 %	Perform
CAUTION! Do not use: disinfectants with active substance: alcohol over 30 %, active chlorine, iodine, aldehydes.		

Based on the hygienic preparation process, the gynaecological facilities are responsible for that all equipment and medical facilities they use must be cleaned or disinfected directly and immediately after the end of the occupation, in order to prepare the premises for the new patient. This means that such cleaning will affect all parts of the chair. Due to the rapid change of patients in one place, the increased demand concerns the best possible balance between necessary and possible cleaning processes. The procedure must be reviewed and agreed with hospital guidelines, recommendations for hygiene plans, and implemented measures or must be added to them.. After patients with a known infection, special cleaning and disinfection measures must be used. Such procedures are subject to the above-mentioned hospital guidelines and must be clarified accordingly. Regarding infection control, it is recommended to use prefabricated protective coatings and/or cover fabrics that additionally cover the hygienically sensitive components of the chair - seat, backrest, and leg section, in order to avoid contact of the patient's skin with the upholstery.

16 Troubleshooting

DANGER!
Danger of fatal electric shock!
► If a fault occurs, have the electric motor, power box or other electrical parts always repaired only a qualified technician from the service department approved by the manufacturer!
► Do not open the protective covers of the electric motor or the power box.

Error/Fault	Cause	Solution
Adjusting with position buttons is not possible	Mains Plug inserted incorrectly	Insert the mains plug correctly.
	Actuators have no power	Check the power indication on the controller. Notify the service department.
	Faulty Control Element Defective actuators Faulty Power Source Faulty control unit	Notify the service department.
The footrest cannot be locked	Insufficient tightening of the locking rosette.	Tighten the locking rosette.
	Defective footrest locking mechanism	Notify the service department.

17 Maintenance

WARNING!
Risk of injury when working on the chair!
►Before installing, servicing, performing maintenance and dismantling of the chair, make sure that the chair is disconnected from the mains.
►Before installing, servicing, performing maintenance and dismantling of the chair, make sure that castors of the chair are in the inactive position.

WARNING!
Risk of injury due to defective chair!
► Have a defective chair repaired immediately.
► If the defect cannot be repaired, do not use the chair.

CAUTION!
Material damage due to incorrect maintenance!
►Ensure that maintenance is performed exclusively by manufacturer´s customer service or authorized service personnel certified by the manufacturer.
► If the defect cannot be repaired, do not use the chair.

LINET® recommends attaching the maintenance plaque to the chair.

17.1 Regular maintenance

► Regularly check all movable parts for wear.
► Regularly perform a visual check (with delivery note if necessary).
► If any parts of the product are missing, contact the manufacturer's service department for delivery of original spare parts.
► Contact the manufacturer's service department for original spare parts to replace any damaged product parts.
► Check that the accumulator works properly. Disconnect the chair from the mains and check the signal of the battery indicator according to the instructions for use.
► If the battery does not work properly, have it replaced.
► Regularly check the correct function of all accessories.
► Replace damaged accessories immediately.

17.2 Spare Parts

The product label is located on the frame of the lying area. The product label contains information for claims and ordering spare parts.

Information about spare parts is available here:
- Manufacturer's customer service
- Sales department

17.3 Safety technical inspections

WARNING!
Risk of injury due to incorrect safety technical inspections!
►Ensure that safety technical checks are performed exclusively by manufacturer's customer service or authorised personnel certified by the manufacturer.
► Ensure that the safety checks are recorded in the service and maintenance log.

Safety technical inspections of the medical chair must be performed at least once every 12 months.

The procedure for performing safety technical inspections is specified in the standard EN 62353:2014.

POZNÁMKA Upon request, the manufacturer shall provide service documentation (eg. electrical circuit diagrams, parts and component lists, descriptions, calibration instructions, etc.) to service personnel for the repair of medical electrical equipment that may be repaired by service personnel as indicated by the manufacturer.

18 Disposal

18.1 Environmental Protection

The LINET® company is aware of the importance of environmental protection for future generations. Within this company the environmental management system is applied in accordance with the internationally agreed standard ISO 14001. The compliance with this standard is annually tested by the external audit executed by an authorised company. Based on the **WEEE** - Waste, Electric and Electronic Equipments Directive the company LINET, s. r. o. is registered in the List of Electric and Electronic Equipment Producers (**Seznam výrobců elektrozařízení**) on the Ministry of the Environment of the Czech Republic (Ministerstvo životního prostředí).

Materials used in this product and in the LINET® accessories are not environmentally hazardous. The LINET® products and the LINET® accessories meet valid requirements of national and European legislation in the areas of **RoHS** and **REACH**, so they do not contain any prohibited substances in excess quantities.

None of the wooden parts is made of tropical wood (such as mahogany, rosewood, ebony, teak etc.) or from timber from the Amazon region or similar rainforests. The product noise (sound pressure level) meets the requirements of the regulation for the protection of public health against the adverse effects of noise and vibration in protected indoor areas of buildings. The packaging materials used meet the requirements of the Packaging Act **(Zákon o obalech)**.

Regarding the disposal of packaging materials after installation of products and the possibility of free take-back of packaging through an authorized company (more detailed information can be found at **www.linet.cz**), contact your sales representative or the manufacturer's customer service.

18.2 Disposal

Materials used in this product and in the LINET® accessories burden the environment but at the same time the whole range of these materials can be very effectively reused and recycled. Mechanical disassembly of the product and material sorting into the basic waste types (plastic, metal, wooden materials) should be performed after the end of product life. The main objective of the obligations arising from the European Directive on Waste, Electric and Electronic Equipments is to increase the re-use, material recovery and recovery of electric and electronic equipment at the required level, thereby avoiding the production of waste and thereby avoiding the possible harmful effects of hazardous substances contained in electric and electronic equipment on human health and the environment.

LINET® electrical and electronic equipment with a built-in battery or accumulator is designed so that used batteries or accumulators can be safely disposed of by a qualified LINET® service technician. The built-in battery or accumulator has information about their type.

18.2.1 Within Europe

To dispose of the electric and electronic equipment including LINET® accessories:
► Electrical and electronic equipment must not be disposed of as municipal waste.
► Dispose of this device at designated collection points or collection points.
► Dispose of the product or its components or its accessories in accordance with local laws and regulations!
► Hire an approved waste disposal company for disposal!

Disposal of other equipment including LINET® accessories:
► The equipment must not be disposed of as municipal waste.
► Dispose of this device at designated collection points or collection points.

LINET® is involved in the collection system together with REMA System providing take-back (see **www.remasystem.cz/sberna-mista/**).
By transporting electrical and electronic equipment to the collection point, you are involved in recycling and saving primary raw materials while protecting the environment from the effects of improper disposal.

18.2.2 Outside Europe

► Dispose of the product or its components or its accessories in accordance with local laws and regulations!
► Hire an approved waste disposal company for disposal!
!

19 Warranty

The company L I N E T spol. s r.o. will only be responsible for the safety and reliability of products that are regularly maintained and used in accordance with the safety guidelines.

If serious damage occurs that cannot be repaired during maintenance:

- Do not use the chair again.

The warranty on this product and its conditions are dependent on the agreement between the buyer and the seller. The warranty covers all faults and defects in materials or manufacture. Faults and defects caused by incorrect use and external effects are not covered. Eligible complaints will be resolved free of charge during the warranty period. Proof of sale with the date of sale is required for all warranty service. Our standard terms and conditions apply.

20 Standards and Regulations

Applied norms are stated on Declaration of Conformity.

The manufacturer adheres to a certified quality management system in compliance with the following standards:

- **ISO 9001**
- **ISO 14001**
- **ISO 13485**