



Eleganza 3

Bed for acute care







The Eleganza 3 bed has a positive effect on the treatment and recovery of patients and ensures the work of acute care staff is more effective and easier with the help of unique functional features. The modern hospital bed is far more than just a passive platform on which to place a patient. The Eleganza 3 bed provides innovative solutions that will actively support treatment and nursing procedures helping provide a higher quality of care ensuring the patient has a comfortable stay in hospital.

Enhanced safety concept

The Eleganza 3 bed offers a high level of safety for patients in intensive care. The protective system involves a key safety element – siderails, which allows adjustment depending on the individual needs of the patients. The safety concept is complemented by a further unique function such as the automatic I-Brake.



[01]

[01] VARIABLE SIDERAIL CONCEPT FOR INDIVIDUAL CARE

The unique siderail system optimises care and provides protection depending on the risk rate and the patient's current condition. If the patient is indicated as being confused and high risk of fall, the three-section siderail combination can be applied with the Protector rail at the foot end of the bed providing extra protection together with the standard head and central siderail. This way the bed is equipped with siderails running the entire length of the mattress platform.

The bed equipped with split siderails without the Protector provides standard protection for most patients.



[02]

[02] MINIMAL GAPS

The concept of minimal gaps reduces the risk of injury of a patient trapped between movable parts of the bed and meets the latest standards. The space between the gaps meets the requirements of the EN 60601-2-52 strict safety standard.



[03]

[03] I-BRAKE

The unique I-Brake system automatically activates the bed's brakes 1 minute after the bed is connected to the mains, if staff forgets to activate the bed brakes in the standard manner. This prevents the patient from falling caused by leaning against an unbraked bed when exiting or lying on the bed.



Effective prevention of pressure ulcers

THE ELEGANZA 3 | contains a complex of functions and construction features which prevent pressure ulcers and contribute to their easier treatment. One of these preventive elements is the kinematic mattress platform called the Ergoframe®. An integral part of the antidecubital measure on the bed is also the range of active mattresses developed and manufactured by LINET.

ERGOFRAME®

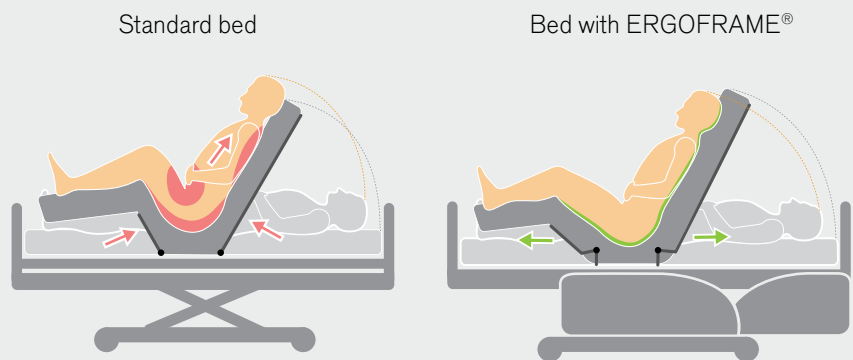
The Eleganza 3 mattress platform is equipped with the Ergoframe® system which extends the space when positioning the bed in the risk parts (pelvic and sacral area) and significantly reduces pressure on the skin in this zone. The pelvic and sacral area is where up to 40% of pressure ulcers form.


Another major cause of pressure ulcers is the excessive friction between the mattress and skin and the stretching of the skin on the patient's back, especially between the shoulder blades. Thanks to the Ergoframe® these adverse shear forces between the mattress and skin do not arise.



EFFECTS OF ERGOFRAME® POSITIONING

- Reducing pressure in the pelvic and sacral area when positioning the bed
- Maintaining good lung ventilation
- Reducing the risk of pressure ulcers in the area of the pelvis and shoulder blades
- Patient comfort in all positions, including the sitting position
- Prevention of complications arising from pressure on the internal organs in the abdominal cavity
- Ensuring constant head support



 Areas mostly affected by extensive pressure and shearing forces

Active anti-decubitus systems

Active mattresses also play an important role in prevention and treatment of pressure ulcers. LINET offers its own range of Virtuoso active mattresses with the zero pressure concept. The mattress is designed for patients in intensive care and for long-term recumbent patients.



[01]

[01] 3 CELL SYSTEM WITH ZERO PRESSURE

The structure of the Virtuoso mattress is designed for beds with a 4-section mattress platform. The new 3 cell concept completely removes the effects of pressure on the highest risk parts. It works on the principle of alternating pressure in individual air cells. The pressure falls to zero in one of the three neighbouring cells in a 7.5 minute cycle. The entire cycle is repeated constantly, 24 hours a day. The 7.5 minute cycle corresponds to the natural movements of a sleeping person changing their sleeping position 8 times in one hour.

The body of the mattress consists of 2 layers and each has a different cell structure. The solid structure of each connected cell prevents the patient from getting trapped and injured.

3 MODES FOR VARIOUS SITUATIONS

The Virtuosos mattress offers 3 operating modes: therapeutic, static and CLP (constant low pressure). The variable setting allows the application of the correct procedure, i.e. the therapeutic or preventive mode.



[02]

[02] ERGONOMIC CONTROLS

The Virtuoso control panel is located on the mattress compressor. The controls are clear and intuitive as the panel contains the setting of the modes and other functions.

Speedy convalescence

TIMELY AND SAFE MOBILISATION | is crucial for the convalescence of patients. The Eleganza 3 is equipped with an integrated system of elements allowing individual stages of mobilisation from sitting the patient up in the bed, breathing exercises to the verticalisation of the patient.

[04] MOBI-LIFT® SYSTEM

The Mobi-Lift® mobilising handles are part of the mattress platform of the Eleganza 3 bed and provide stable support when exiting or sitting on the bed. There is an integrated button in the handle by which the patient can set the bed to the appropriate height. Mobilisation is also supported by the ergonomic handgrips that are part of the design of the siderails.

Thanks to the Mobi-Lift® system the nurse or physiotherapist only needs to provide the patient with assistance during mobilisation. The Eleganza 3 mobilisation system facilitates the work of staff and motivates the patient to independent activity

[03] CARDIAC CHAIR

The pre-set Cardiac Chair position supports the patient's respiration and heart activity. It is therefore an appropriate feature for the first stages of mobilisation – sitting the patient up in the bed and performing breathing exercises. Staff may set the Cardiac Chair position easily and quickly at the press of one button on the main control panel. The vital lung capacity is increased in the sit-up position thereby improving lung ventilation.

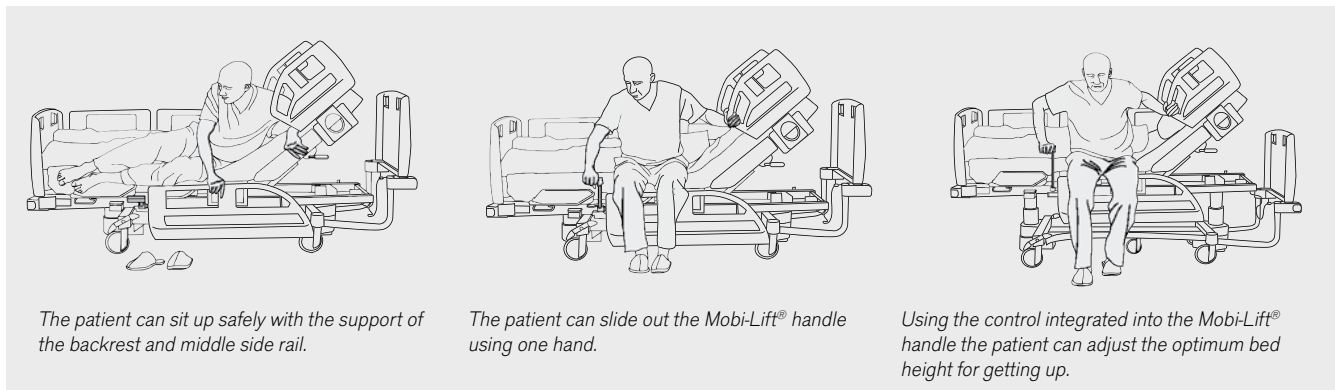


[01]



[02]

MOBILISATION PROCEDURE





Support for nurses

THE NURSING PROFESSION | is one of the most demanding in terms of physical effort. The Eleganza 3 bed is designed to make work easier for nurses and hospital staff. Each of the bed's functions facilitates nursing procedures and daily routine work, while the bed's ergonomic and intuitive controls also contribute to this.



[01]

[01] EASY TRANSPORT

The manoeuvrable features of the Eleganza 3 bed are optimised by the fifth castor on the undercarriage which makes it significantly easier to steer the bed in places with lack of space, stabilises the direction of travel and makes it easier to turn the bed. The optional fifth castor can be retracted to the undercarriage. Once the bed has been moved, the fifth castor does not obstruct the underpass equipment such as the server, C-arm or lift and does not prevent cleaning. The ergonomic handles built into the bed ends also make it easier to handle the bed.



[02]

[02] FOOT CONTROLS

The foot controls are located on both sides of the undercarriage. Using these controls the nurse can easily adjust the height of the bed or the preset examination position. The foot controls are equipped with a mechanical barrier preventing accidental activation.

SAFE WORKING LOAD 250 KG

The Eleganza 3 safe working load parameter is 250 kg. At this weight the bed is fully effective and guarantees 100% functionality of all its safety features.

Controls system

The set of controls allow nurses to handle the Eleganza 3 bed effectively and ergonomically. The patient can control some functions which contribute to their independence and good physical welfare.

[03] SIDERAIL CONTROL

The control is located in the siderail so it is easily accessible to the patient and adjusts the bed to its basic positions.



[04] SUPERVISOR PANEL

The Supervisor panel is ergonomically shaped and its clear graphic design is user-friendly. It contains a number of functions including 5-position memory – CPR, Trendelenburg, cardiac chair, mobilising position, examination position.

[05] HAND SET

The practical patient and nurse handset contains the basic bed positions including the backrest tilt and mattress platform height adjustment.



Side rail control [03]



Supervisor panel [04]

[06] PLUG & PLAY

In some cases, particularly when the patient is confused, it may be appropriate to remove the remote control unit. With the Plug and Play socket located on the accessory bar, the handset unit can be easily removed.



Hand set [05]



Plug & play [06]

Infection control

The basis of effective prevention of hospital infections is excellent hygiene and disinfection of all surfaces in the hospital ward and the bed itself. The simple construction and use of joint-free technology with the manufacture of plastic components makes easy decontamination of the Eleganza 3 possible.



[01] COLUMN CONSTRUCTION

The basis of easy hygiene is the bed's column construction. The columns consist of smooth aluminium sections without difficult to clean gaps and joints. The construction allows access to all parts of the bed.

[01]



[02] JOINT-FREE TECHNOLOGY

The bed's smooth surfaces are joint-free. Its construction has a minimum number of small components.

[02]



Bed specification

[01] BED END WITH CONSTANT HEIGHT

The removable end with its fixed height allows quick and easy access to the head, neck and chest of the patient.

[02] SIDERAILS

The split siderails provide the patient with protection against a fall and act as support during mobilisation.

[03] MOBI-LIFT® SUPPORT HANDLES

The Mobi-Lift® support handles make patient mobilisation more effective and safer. The handles can be slid under the mattress platform.

[04] ERGOFRAME® MATTRESS PLATFORM

The Ergoframe® mattress platform forms the basis of ergonomic positioning.

[05] SUPERVISOR CONTROL PANEL

The bed can be set to all positions using the Supervisor control panel. The panel contains a memory for most of the frequently used positions, GO button, STOP button and battery back-up indicator.

[06] COLUMNS

The electric lifting units located in two columns allow the height setting of the mattress platform and other positions. The column position ensures the bed's excellent stability.



COLOURS AND DECORS

The Eleganza 3 bed design meets the latest aesthetic trends in healthcare. The colour versions of the bed ends are highly variable and fully blend in with the surroundings.

The Eleganza 3 bed is also available in a wide range of wood effects which would be well suited to any interior.



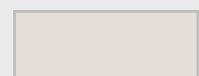
Oslo blue



Kiwi



Aquamarine



Pearl white



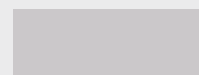
Nectarine



Grapefruit



White



Dolphin grey



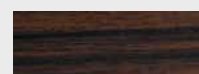
White maple



Natural beech



Fruitier ambre



Zebra Moka



[07] CONTROLS IN THE SIDERAILS

The controls in the siderails increase the patient's self-reliance.

[08] FIFTH CASTOR

The fifth castor makes it easy to manoeuvre the bed especially in places with lack of open space.

[09] BED EXTENSION

The bed's integrated extension makes it possible to adjust the length of the mattress platform to the individual height of the patient.

[10] LINEN SHELF

The linen shelf can also be used to store the Supervisor panel.

[11] END LOCKS

The bed end locks prevent the ends from being pulled out accidentally when steering or manoeuvring the bed in a different way.

[12] FOOT CONTROLS

The controls are protected by a mechanical barrier against accidental activation.

CERTIFICATES

- LINET is certified according to the European standards and quality system: EN ISO 9001:2000, EN ISO 13485:2003.
- Products are manufactured according to the European standards for healthcare and hospital beds:
EN 60601-1, EN 60601-1-2, EN 60601-1-4, EN 60601-2-52, EN ISO 14971.

TECHNICAL PARAMETERS – DIMENSIONS

Siderails in the top position	231×104.5 cm
Siderails in the bottom position	231×102.5 cm
Bed extension	–8/+9 cm
Recommended mattress dimensions	208 × 86 (91) × 14 cm
Max. mattress height	23 cm
Height adjustment	39.5 – 77.5 cm
TR/ATR tilt	±16°
Split siderails height above mattress platform (without mattress)	45 cm
Weight (basic equipment)	138 kg
Safe working load	250 kg

ELECTRIC PARAMETERS

Power supply	230 V, ±10 %, 50–60 Hz
Maximum input	max. 1,6 A, 370 VA
Cover against water and dust	IPX4
Equipment classification according to IEC 60601-1	Class I
Level of protection against injury from electrical current	Applied part type B
Electric motor operation mode (load factor)	10%, max. 2 min/ 18 min

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