



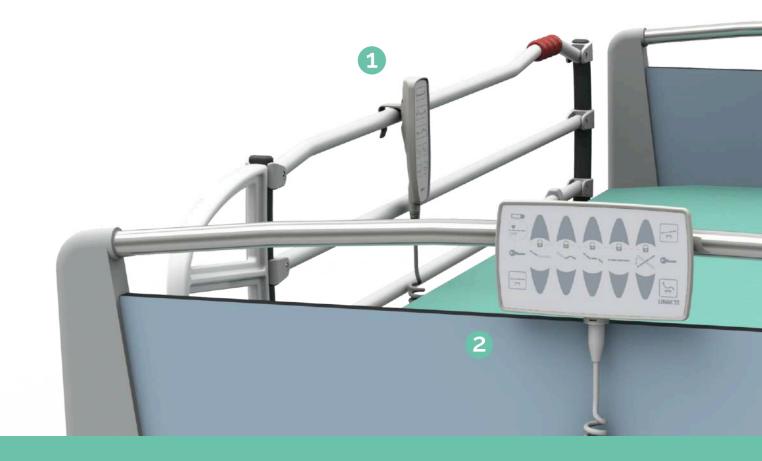


INCLUSIVE HEALTHCARE

PORTABLE CONTROLS

User Friendly Device





Bariatric Bed

Matrix B12 was created as a solution to assist in the care of patients with morbid obesity. Focused on the inclusion of patients exceeding the maximum load of standard hospital beds, this is a key bed to complement any healthcare facility.

With pre-defined medical positions, safety features and tools to reduce hospitalisation times, it becomes a bed that fulfils the therapeutic requirements of most patients and an indispensable tool for healthcare professionals.

Robust Architecture

Reinforced structure in key points and lifting system by trapezoidal arms electrically articulated by 2 linear motors Linak brand.

Lifting stroke of 420-720 mm and maximum load of 400 Kg.

¹ Handset Control

Highly shock resistant.

Allows the following positions:

- Back and Legs
- Height
- Reverse Trendelenburg
- Cardiac Chair
- Examination
- Rest

² Nurse Control

of the bed and recessed in the • Back and Legs foot of the bed panel. protection against accidental

- Battery state
- Selective lock

Located in a drawer at the foot Allows the following positions:

- Auto Contour
- Height
- Trendelenburg and Reverse
- Cardiac Chair
- Examination
- Shock
- CPR

Equipped with LED to indicate:

EFFECTIVE PROCEDURES

1 Button Releases

Cardiac Chair

Automatically performs, by the activation of a single button, the sitting position.
Improves respiratory function and facilitate the administration of medication and the practice of autonomous activities.



Examination

Automatically performs, by the activation of a single button, the position of maximum height and levels the mattress platform. Ensures an ergonomically correct posture for carers during examinations and treatments.



Shock

It performs automatically, by the activation of a single button, the Trendelenburg position and levels the mattress platform. Used to reverse hypoxic episodes in vital organs.



CPR

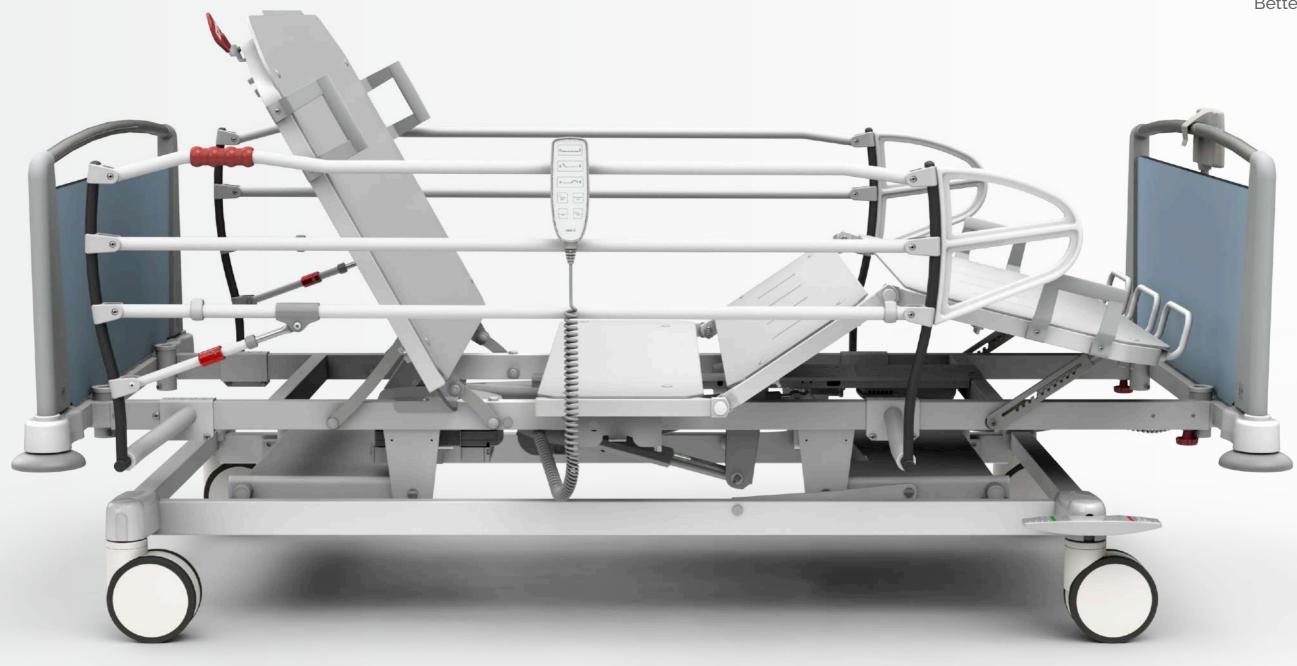
Automatically sets the minimum height position and levels the mattress platform at the push of a single button. Ensures correct posture for patient and caregivers during cardiopulmonary resuscitation manoeuvres.



30° Back Stop Breath Well Rails Handgrip **Safe Movements** Seated Position High Backrest **Stabilization Mobilisation** Verticalization Low Minimum Height Patient in Control Reverse Trendelenburg **Automatic Positions** Set the Uprising Easy Bed Exit/Entry

3 STEPS OF EARLY MOBILITY

Better Outcomes

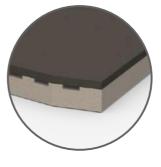


Autoregression

The articulation of the mattress platform (backrest) causes harmful muscular pressure in the abdominal and lumbar areas. By lifting the back and leg articulations, they simultaneously perform a synchronised horizontal glide

Pressure Ulcer Prevention

The autoregression of the backrest articulations causes decompression and relief of the sacroiliac area, a critical point in the development of pressure ulcers.



Hospi 3
_{6,5 mmHg}

High Risk of Bedsores

The inclination in the foot area and the different foam layers allow for superior endurance, enabling the prevention of bedsores in heavier patients, ideal for bariatric units.

ENHANCED SAFETY

Fall Prevention



EN 60601-2-52 Standard

Side rails comply with EN 60601-2-52.

They prevent and avoid the risk of injuries caused by accidental falls through high side coverage.

Self-Confidence

A bed designed to improve the patient's autonomy, giving him/her control of functions such as the Cardiac Chair position to improve the practice of activities and meals or the Rest position for periods of safe sleep.



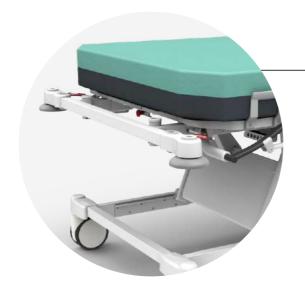


Differentiating Accessories

Matrix B12 includes the option of incorporating accessories and extras important for various areas of healthcare for bedridden patients

ENHANCED SAFETY

Emergency Procedures

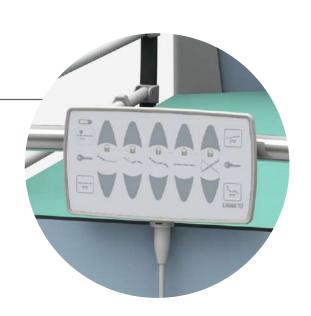


Endotracheal Intubation

The head end and foot end panels are vertically removable, allowing unobstructed intubation.

Selective Locking

The electrical functions of the bed can be selectively disabled for reasons of functional convenience or safeguarding the patient's health, the exception being the emergency functions, which are not affected by selective locking.



INFECTION CONTROL

Hospitality

Total Disinfection

The design of the bed has been conceived to facilitate the cleaning process. Reducing as far as possible the points where dirt accumulates.

Mattress Platform

The bed frame is made up of 4 modular components in phenolic (HPL). All components are removable for cleaning.



LIGHT HANDLING

Emergency Procedures



Batteries

1.2A/h battery module to keep the bed operational when disconnected from the power supply.

When plugged in, it electronically manages the charging process, making it unnecessary to unplug the power socket once the batteries are charged

Power Cable Protection

Power cables damaged by transport is one of the most frequent malfunctions in electric hospital beds.

Matrix B12 is equipped with a convenient portable cable holder to fit on top of the head panel in addition to the reel fixed to the snap-in frame of the same head panel.



LIGHT HANDLING

Easier Transport

1 Transport Handrails

The head/foot boards are made entirely of washable materials, in particular the stainless steel handrail, a material with great capacity for cleaning and disinfection, durability and high resistance to impact.

The panels are vertically removable.

2 Centralised Braking

Bed equipped with 2 brake pedals, at the rear corners of the bed, with centralised effect and directional lock.

3 Premium Casters

High-quality German brand Tente wheels, Ø150 mm, double-band ABS-faired, with high load capacity.

TECHNICAL FEATURES

Structure	Bed frame with Ipx4 protection	Base	Open design base to prevent dirt build-up	
	Robust metal frame epoxy painted		Base corners protected by plastic fairings	
	Mobile components zinc plated or/and stainless steel		Integral Ø150mm ABS double casters	
	Corners protected by soft bumpers		Central locking and steering control	
	Bilateral foley bag hooks			
		Head/Foot Boards	In laminated and plastic, with stainless steel handrail	
		Doards	Easily removable	
Mattress Platform	4 sections bed frame (3 articulated + 1 fixed)		Foot end with rack for nurse control support	
	Phenolic (HPL) panels extractable for cleaning			
	Autoregression	Side Rails	Full-length, in epoxy painted metal	
	Flexible mattress shoulders		Soft drop released by red handle	
	Bilateral levers for a quick manual CPR release			
	Foot section manually adjustable by a mechanical rack	Electric Setup	Motions managed by a microprocessed unit	
			Low voltage motors DC24V (4 linear actuators)	
			Gel batteries with discharge alarm	
Control	Handset control with extendable helical cable		Cable holder for transport	
	Nurse control with extendable helical cable			

BED ACCESSORIES

Crutches Holder



Support for 2 crutches
Rubber fitting
Epoxy painted structure
Removable and adjustable

)10.570

IV Pole



Serum support Stainless steel column Adjustable rod with 4 hooks

Serum support Epoxy painted column Adjustable rod with 4 hooks 910.104i

910.104

Writing Tray

Lifting Trapezee



Foldable writing tray Epoxy painted structure Top in phenolic (HPL) 010 80



Bariatric patient lifting
Stainless steel double column
Trapezee with adjustable handle

910.200E1

Urinal Holder

O2 Tank Holder



Support for urinal
Calibrated stainless steel rod construction
Removable and adjustable

910.019



Support for oxygen tank
Fitting on the corners of the bed
In stainless steel

910.53

Dimensions +/- 5% MATRIX B₁₂

Recommended mattress dimensions	1920 x 1060 x 180 mm
External dimensions	2120 x 1200 mm
Min/Max height	420/720 mm



Maximum back incline	60°	
Maximum Cardiac Chair	85°	
Maximum leg incline	35°	
Maximum foot lowering	20°	
Maximum incline	Trendelenburg Reverse Trendelenburg	15° 15°

Capacities +/- 5%

Maximum weight (SWL)	400 Kg
Power supply	100-240 VAC, 50/60 Hz
Control unit power	390 VA
Battery charge	18 W
Electrical protection	Class 1 Applied parts type B



Endboard Decoration

Availability of non standard finishes on request.









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