



Premium Hospital Beds

MATRIX U24



INCLUSIVE HEALTHCARE



Alzheimer Bed

Matrix U24 was created as a solution to assist in the care of patients with psychological problems or dementia. Focused on combating injuries from accidental falls whilst resting, this is an ideal bed for wards of Alzheimer's and dementia patients.

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

MULTIPLATFORM CONTROLS

User Friendly Device

Handset Control



Highly shock resistant. Portable control powered by an extendable helical cable.

Allows the following positions:

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

Nurse Control



Located in a drawer at the foot of the bed and recessed in the foot of the bed panel. With selective locks as protection against accidental or improper use. Powered by an extendable helical cable.

Equipped with LED to indicate:

- Battery state
- Selective lock

Allows the following positions:

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

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.



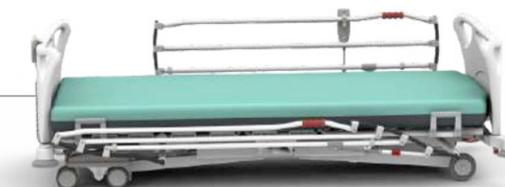
Shock

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.



3 STEPS OF EARLY MOBILITY

30° Back Stop
Breath Well

1 Stabilization



Patient in Control
Automatic Positions

Seated Position
High Backrest

2 Verticalization



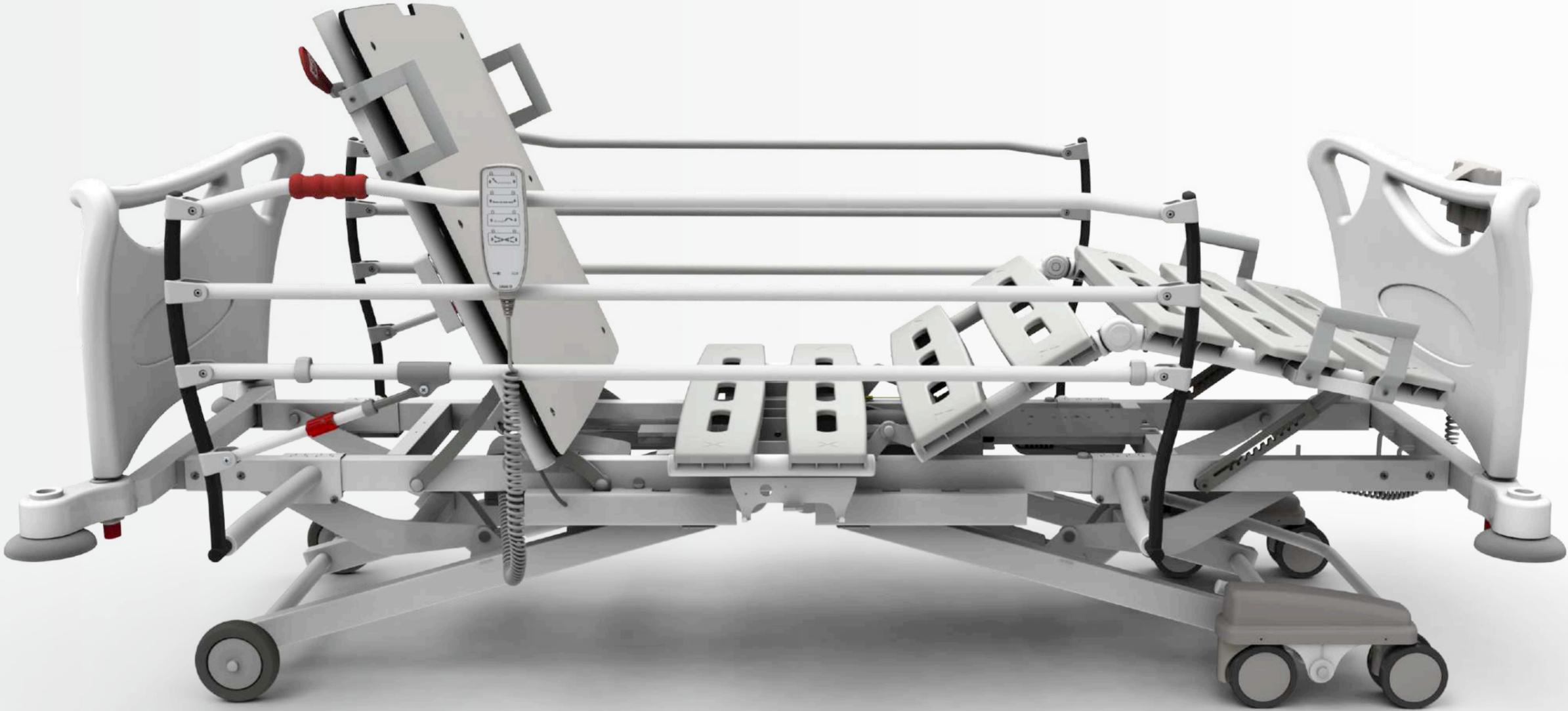
Reverse Trendelenburg
Set the Uprising

Ultra Low Height
Easy Bed Exit/Entry

3 Mobilisation



Rails Below Mattress
Safe Movements



Double Autoregression

The articulation of the mattress platform (back + legs) 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 double autoregression of the back and leg articulations causes decompression and relief of the sacroiliac area, a critical point in the development of pressure ulcers.



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.

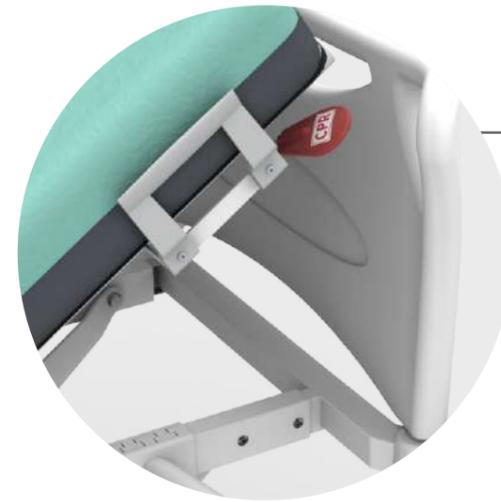
Ultra-Low Height

The extremely low minimum height plays an important role in reducing accidental fall injuries, increasing patients' self-confidence and overall health.



ENHANCED SAFETY

Emergency Procedures



Manual CPR

The bed has bilateral quick-folding handles on the back section for cardiopulmonary resuscitation manoeuvres. They are located at the apexes of the back section for easy access and use.

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.



Mattress Platform

The bed frame consists of 11 modular components made of plastic (PPC) or 4 phenolic panels (HPL). All the components can be extracted for cleaning using a quick-lock system.



LIGHT HANDLING

Easier Transport

Power Cable Protection

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

Matrix U24 is equipped with a convenient portable cable holder to fit on top of the head panel in addition to the fixed frame reel.

Batteries

Beds equipped with a battery system to maintain the operation of the bed when disconnected from the power supply.

When connected to the power supply, it electronically manages the charging, making it unnecessary to disconnect the power socket once the batteries are charged. Certified with electrical surge protection and anti-static wheel option.

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.

Special Axle

Matrix U24 has a unique wheel system to obtain a minimum height of 24 cm. All the wheels are fitted with ball bearings and ABS-faired to prevent the accumulation of dirt.

The system includes four Ø100 mm rotating casters to improve mobility, two of them with central brakes, and two free Ø125 mm directional wheels to enable the bed to be adjusted in height.



Transport Handgrips

The bed end panels design incorporates handgrips so the caregivers have a smooth and easy transport handling.

Transport Locks

The bed end panels have buttons to block their removal, ensuring safer transport for patients and caregivers.



Brake Bar

Bed equipped with a brake bar at the foot of the bed, with centralised effect.

Free upper wheels to allow bed height adjustment

TECHNICAL FEATURES

Model 945.U24

Standard - feature included as standard.

Optional - choose from various options.

Extra - feature not included as standard.

Standard

Optional

Extra

Standard - feature included as standard.

Optional - choose from various options.

Extra - feature not included as standard.

Standard

Optional

Extra

Structure

Bed frame with Ipx4 protection	●
Robust metal frame epoxy painted	●
Mobile components zinc plated or/and stainless steel	●
Headboard moves with frame	●
Corners protected by soft bumpers	●
Bilateral foley bag hooks	●

Wheelset

No base ultra low system	●
Casters protected by plastic fairings	●
Ø100mm ABS double casters, 2 with central brake	●
Ø125mm directional wheels	●
Bar-activated central locking	●

Mattress Platform

4 sections bed frame (3 articulated + 1 fixed)	●
Modular PPC panels extractable for cleaning	●
Phenolic (HPL) panels extractable for cleaning	●
autoregression	●
Flexible mattress shoulders	●
Bilateral levers for a quick manual CPR release	●
Foot section manually adjustable by a mechanical rack	●
X-ray cassette holder and radiolucent HPL backrest	●

Head/Foot Boards

In HDPE medical (High Density Polyethylene)	●
Easily removable	●
Transport lockers (removed on demand)	●
Foot end with rack for nurse control support	●

Electric Setup

Motions managed by a microprocessed unit	●
Low voltage motors DC24V (4 linear actuators)	●
Gel batteries with discharge alarm	●
Cable holder for transport	●

Side Rails

Full-length, in epoxy painted metal	●
Soft drop released by red handle	●

Control

Handset control with extendable helical cable	●
Nurse control with extendable helical cable	●

IV Pole



Serum support
Stainless steel column
Adjustable rod with 4 hooks

910.104i

Serum support
Epoxy painted column
Adjustable rod with 4 hooks

910.104

Lifting Trapezee



Patient lifting
Stainless steel column
Trapezee with adjustable handle

910.200

Patient lifting
Stainless steel column
Trapezee with auto-adjustable handle

910.201

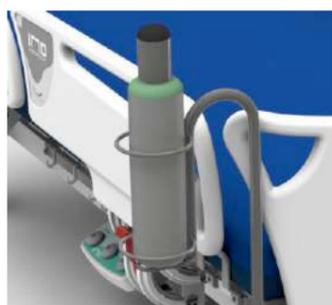


Support for 2 crutches
Rubber fitting
Epoxy painted structure
Removable and adjustable

910.570

Crutches Holder

O2 Tank Holder



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

910.530

Writing Tray



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

910.806

MATRIX U24

* PPC Frame

Dimensions +/- 5%



Recommended mattress dimensions	1970 x 860 x 120/150 mm
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External dimensions	2180 x 1000 mm
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Min/Max height	240/780 mm*
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Joints +/- 5%

Maximum back incline	70°
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Maximum Cardiac Chair	90°
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Maximum leg incline	40°
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Maximum foot lowering	25°
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Maximum incline	Trendelenburg	18°
	Reverse Trendelenburg	18°

Capacities +/- 5%

Maximum weight (SWL)	250 Kg
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Power supply	110-240 VAC, 50/60 Hz
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Control unit power	390 VA
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Battery charge	18 W
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Electrical protection	Class 1 Applied parts type B
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Footboard Decoration

Availability of non standard finishes on request.



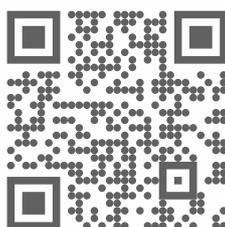
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