





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.

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.



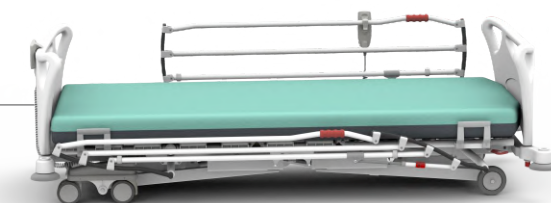
Shock

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

1 Stabilization

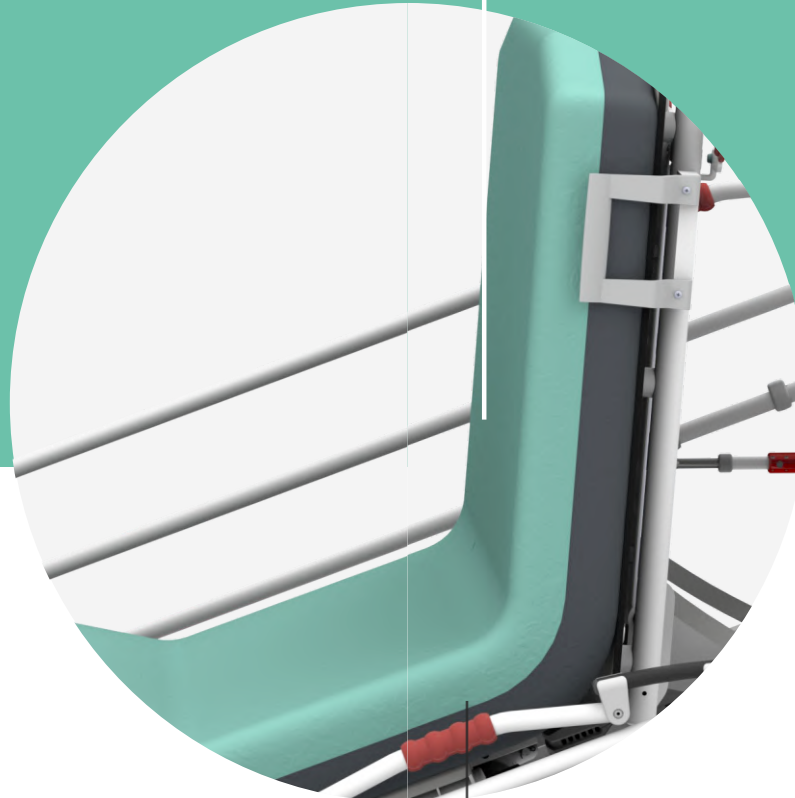
30° Back Stop
Breath Well



Patient in Control
Automatic Positions

2 Verticalization

Seated Position
High Backrest



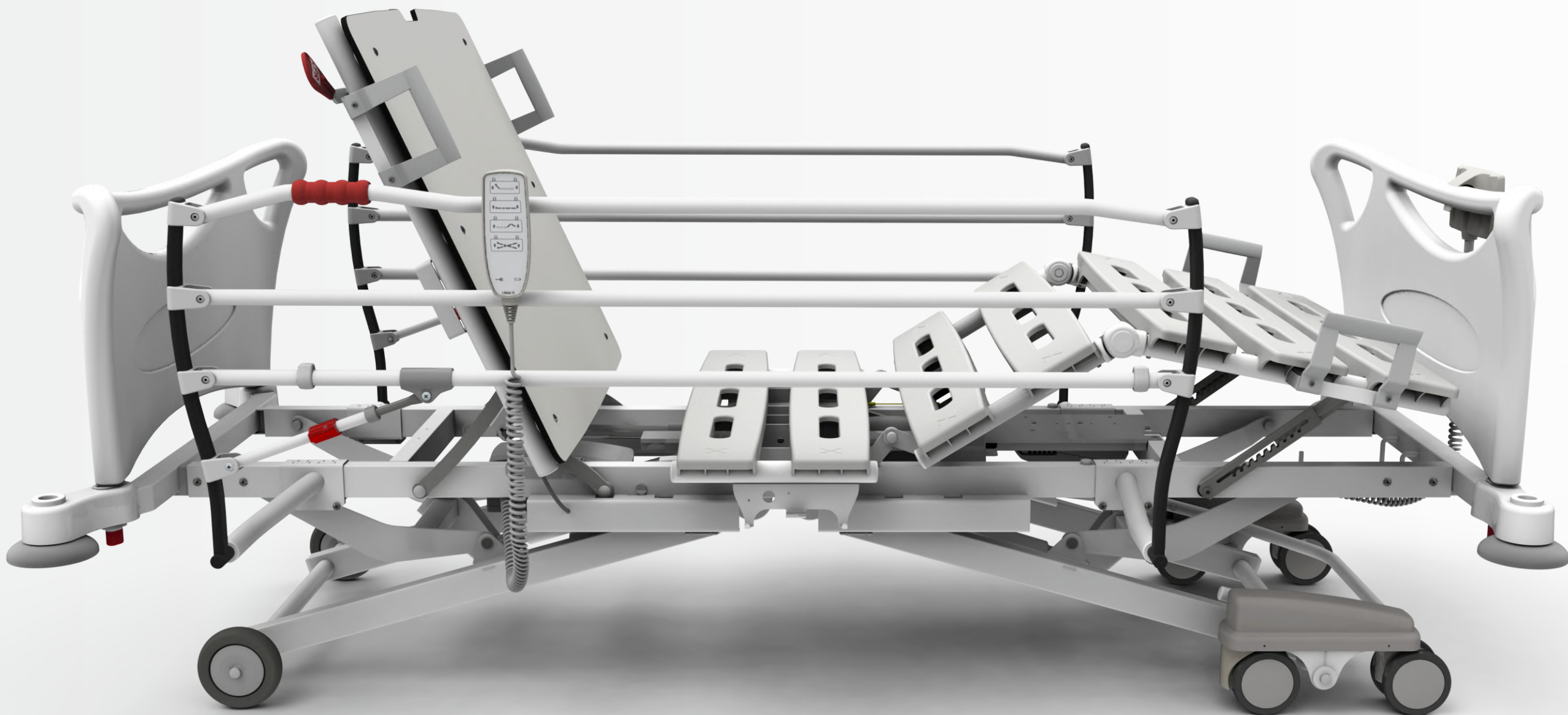
Reverse Trendelenburg
Set the Uprising

3 Mobilisation

Ultra Low Height
Easy Bed Exit/Entry



Rails Below Mattress
Safe Movements

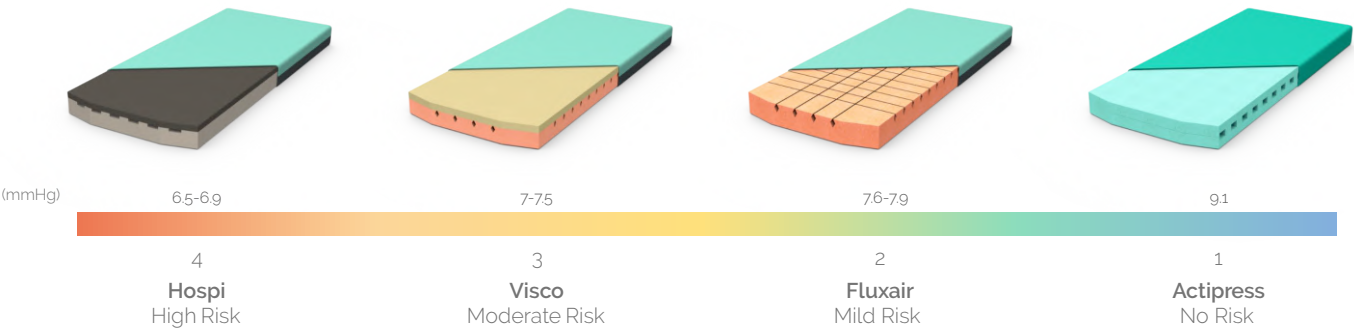


Double Autoregression

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.

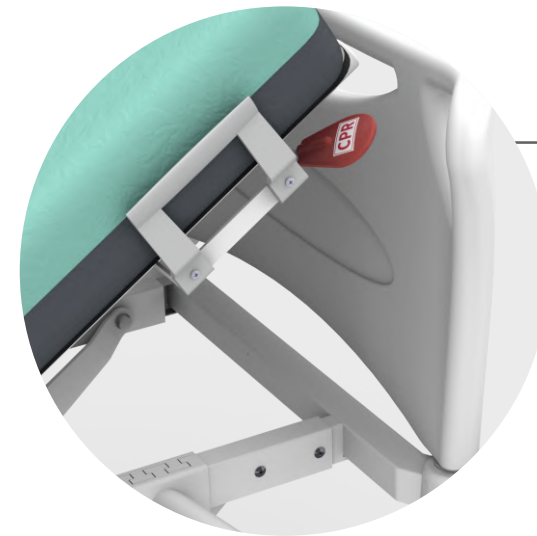


ENHANCED SAFETY

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.

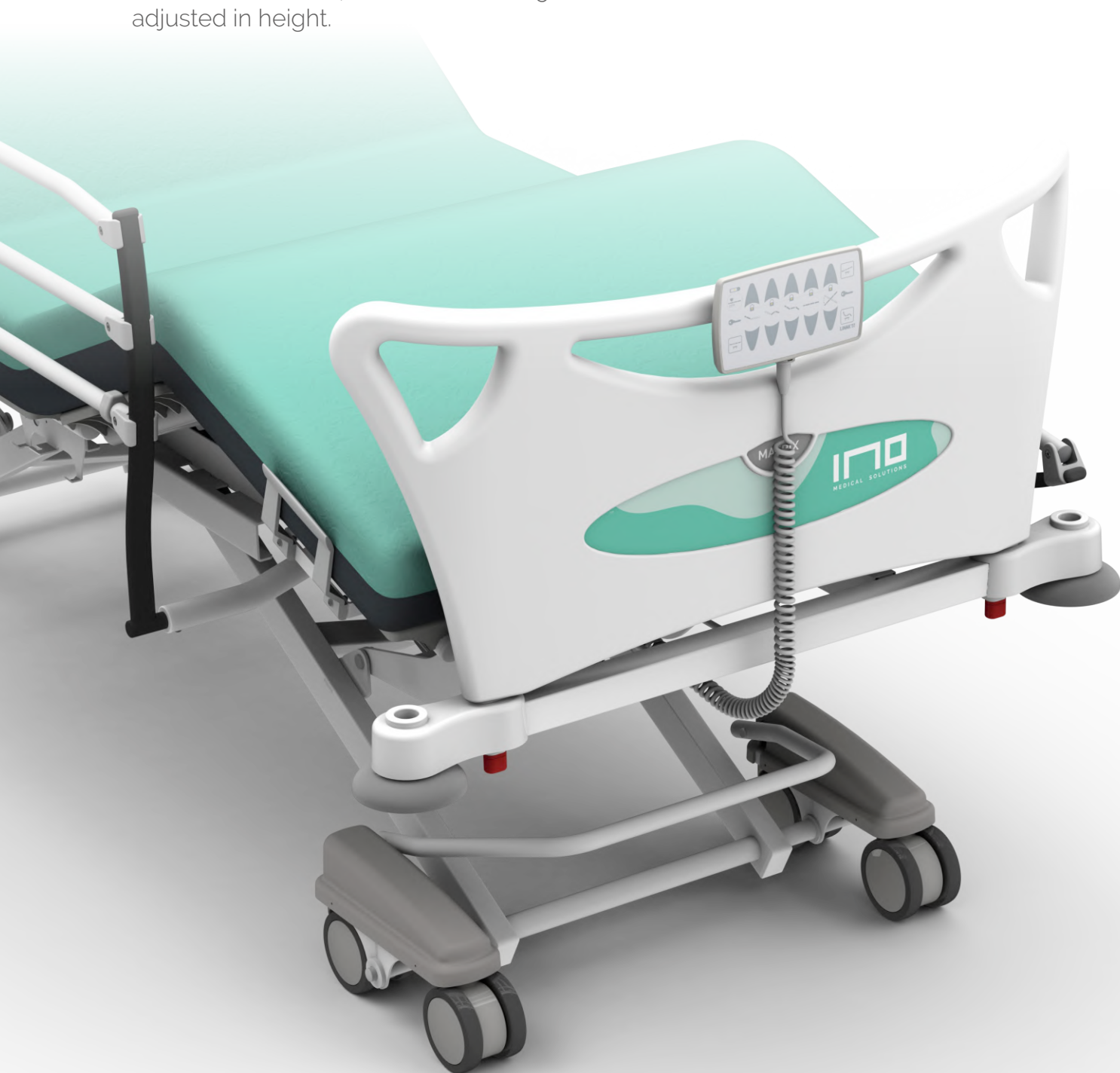
LIGHT HANDLING

Easier Transport

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



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 lpx4 protection			●			Wheelset	No base ultra low system			●
	Robust metal frame epoxy painted			●				Casters protected by plastic fairings			●
	Mobile components zinc plated or/and stainless steel			●				Ø100mm ABS double casters, 2 with central brake			●
	Headboard moves with frame			●				Ø125mm directional wheels			●
	Corners protected by soft bumpers			●				Bar-activated central locking			●
	Bilateral foley bag hooks			●							
Mattress Platform	4 sections bed frame (3 articulated + 1 fixed)			●			Head/Foot Boards	In HDPE medical (High Density Polyethilene)			●
	Modular PPC panels extractable for cleaning				●			Easily removable			●
	Phenolic (HPL) panels extractable for cleaning				●			Transport lockers (removed on demand)			●
	autoregression			●			Electric Setup	Foot end with rack for nurse control support			●
	Flexible mattress shoulders			●				Motions managed by a microprocessed unit			●
	Bilateral levers for a quick manual CPR release			●				Low voltage motors DC24V (4 linear actuators)			●
	Foot section manually adjustable by a mechanical rack			●				Gel batteries with discharge alarm			●
	X-ray cassette holder and radiolucent HPL backrest					●		Cable holder for transport			●
Side Rails	Full-length, in epoxy painted metal			●			Control	Handset control with extendable helical cable			●
	Soft drop released by red handle			●				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

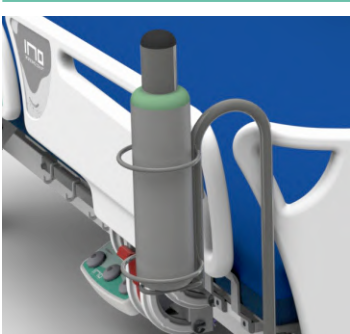
Lifting Trapezee

	Patient lifting Stainless steel column Trapezee with adjustable handle	910.200
	Patient lifting Stainless steel column Trapezee with auto-adjustable handle	910.201

Crutches Holder

	Support for 2 crutches Rubber fitting Epoxy painted structure Removable and adjustable	910.570
---	---	---------

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
External dimensions	2180 x 1000 mm
Min/Max height	240/780 mm*

Joints +/- 5%

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

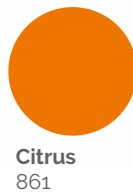
Capacities +/- 5%

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



Footboard Decoration

Availability of non standard finishes on request.



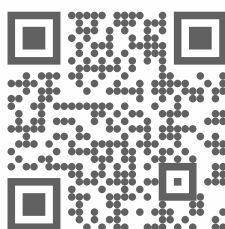
IMO - Indústrias Metalúrgicas, S.A.

Headquarters

Rua Dr. Aurélio Teixeira de Sousa, 575
4650-312 Rande Portugal
T. +351 255 340 220
sede@imo.com.pt

Showroom

Av. Defensores de Chaves, 87A
1000-115 Lisboa Portugal
T. +351 217 963 478
lisboa@imo.com.pt



www.imo.com.pt