



Premium Hospital Beds

MATRIX Jr



INCLUSIVE HEALTHCARE

A Fit for Everyone



Paediatric Bed

Lifting system with trapezoidal arms electrically articulated by 2 linear motors (Linak).

The lightness and reliability of this system make Matrix Jr a high-performance bed, ideal for any paediatric ward and adjusted to both children and young people.

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
- Auto Contour
- Trendelenburg and Reverse

Nurse Control



Located at the foot of the bed and fitted into the foot panel of the bed. Powered by helical cable.

Allows the following positions:

- Height
- Cardiac Chair
- Shock
- CPR

Equipped with LED to indicate:

- Battery state
- Selective lock

Built-in Controls



As an option, you can have integrated controls in the upper side rails, consisting of 2 caregiver controls and 2 patient controls.

Allows the following positions:

- Back and Legs
- Height
- Trendelenburg and Reverse

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.



Auto Contour

Automatically performs, by the activation of a single button, the position of Auto Contour, raising the leg and back sections in sync. Ensures a correct patient positioning when raising his back.



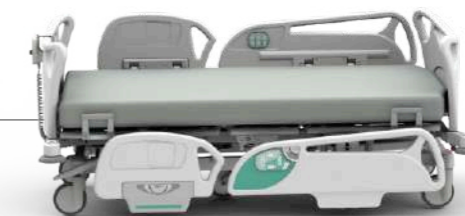
Shock

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

Auto Contour Function
Breath Well

1 Stabilization



Angle Gauges
Precise Medical Positions

Seated Position
High Backrest

2 Verticalization



Reverse Trendelenburg
Set the Uprising

Rails Handgrip
Safe Movements

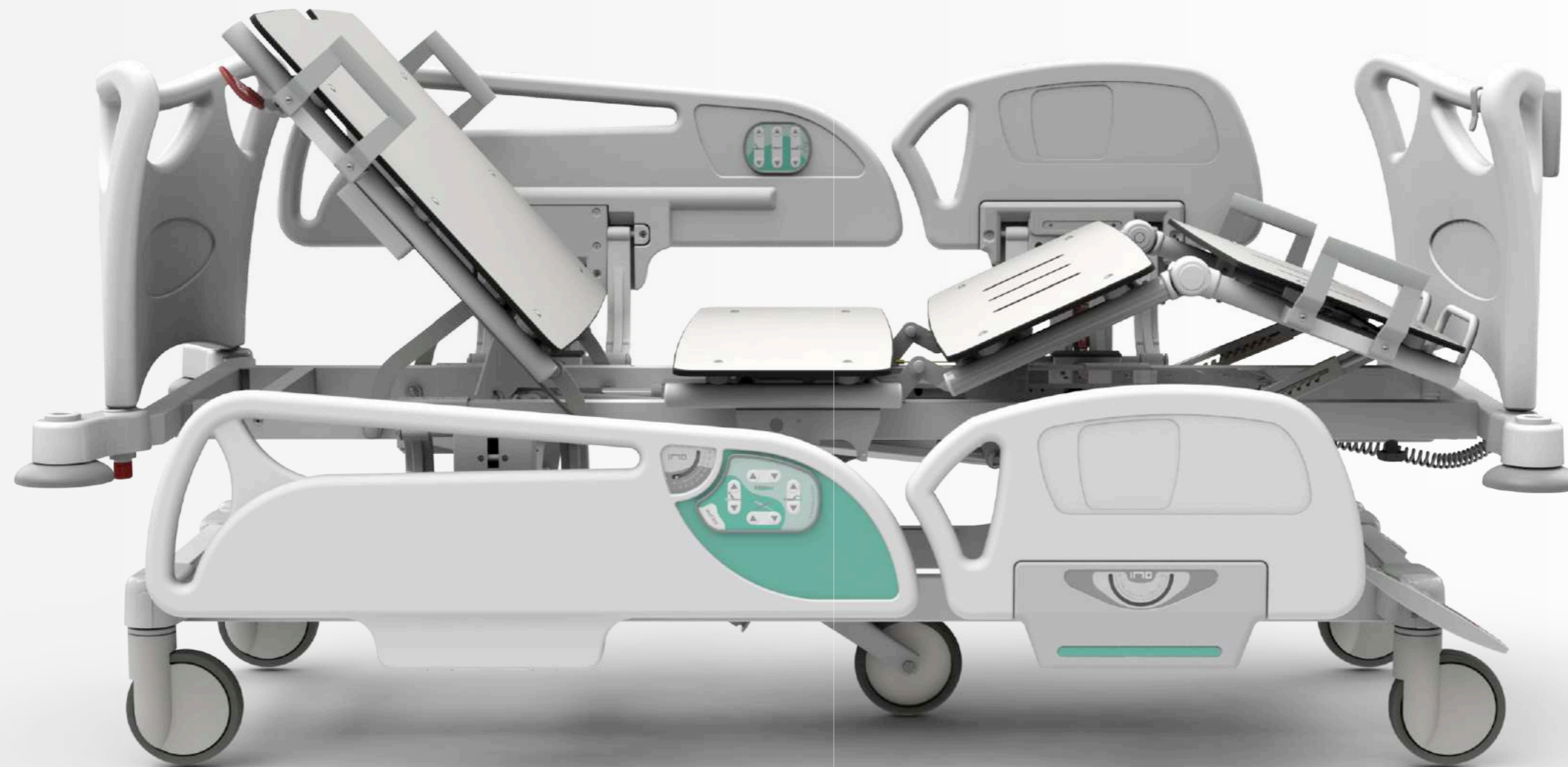
3 Mobilisation



Low Minimum Height
Easy Bed Exit/Entry

3 STEPS OF EARLY MOBILITY

Better Outcomes

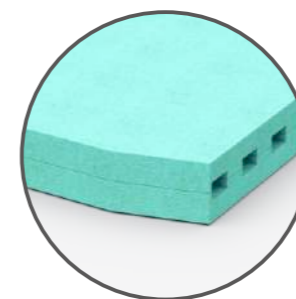


Double Autoregression

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.



Actipress
9,1 mmHg

Low Risk of Bedsore

The side sectioning improves the ventilation effect caused by the cover and allows for optimal pressure alternation, reducing pressure ulcers caused by the articulation of the bed.

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

The bed has features designed to help in the recovery such as the design of the split side rails, so that only one rail is lowered, helping in the exit of the bed, or the low height to help the patient exit the bed.



ENHANCED SAFETY

Emergency Procedures

Selective Locking

The electrical functions of the bed can be selectively deactivated for reasons of functional convenience or safeguarding the patient's health.

Locks are available on the supervisor control blocking all motors that the selected function activates.



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.



INFECTION CONTROL

Hospitality

1

Fall Prevention

When folded down, the side rails fold out from under the bed. This allows the patient to be safely transferred, facilitates patient entry and exit and does not disturb medical interventions.

2

Vascular Position

When combining the leg/foot sections inclination and Trendelenburg, it can improve blood flow to the heart, a necessary procedure in reducing the risk of hypovolemic shock and after some vascular surgeries.



Mattress Platform

The bed frame consists of 10 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



1 Power Cable Protection

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

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

2 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.

3 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.



Transport Handgrips

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



Enhanced Surveillance

Although resistant when locked, the side guard rails carry handles that are easy and quick for the health care provider to operate, but provide reassurance against improper or accidental use.



Transport Locks

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



Brake Pedals

Bed equipped with brake pedals, with centralised braking on all 4 wheels and directional lock on one.



Fifth Wheel

System that improves the manoeuvrability of the bed in tight spaces by rotating 360° on a vertical axis.

For movement in a straight line, the drive is carried out on the brake pedals in directional lock position.

LIGHT HANDLING

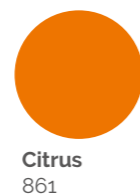
Easier Transport



- Integral Smart single ABS Ø150mm (available in anti-static version)

Barriers Decoration

Availability of non standard finishes on request.



TECHNICAL FEATURES

Model 945.Jr

Standard - feature included as standard.

Optional - choose from various options.

Extra - feature not included as standard.

Standard

Optional

Extra

Structure

Bed frame with 1px4 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



Mattress Platform

Bed frame for statures with less then 160 cm



4 sections bed frame (3 articulated + 1 fixed)



Modular PPC panels extractable for cleaning



Phenolic (HPL) panels extractable for cleaning



Double 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



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Standard
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Extra

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Standard
Optional
Extra

	Standard	Optional	Extra		Standard	Optional	Extra	
Base	Open design base to prevent dirt build-up	●		Side Rails	Splitted, in HDPE medical (High Density Polyethylene)		●	
	Base corners protected by plastic fairings	●			Full-length, in epoxy painted metal		●	
	Integral Smart Ø150mm ABS casters	●			Trendelenburg angle gauge			●
	Central locking and steering control pedal	●			Collapsible and folding system Gap Zero	●		
	Fifth wheel				●	●		
	Anti-static wheel				●			
Head/Foot Boards	In HDPE medical (High Density Polyethylene)	●		Electric Setup	Motions managed by a microprocessed unit	●		
	Easily removable	●			Low voltage motors DC24V (4 linear actuators)	●		
	Transport lockers (removed on demand)	●			Gel batteries with discharge alarm	●		
	Foot end with rack for nurse control support	●			Cable holder for transport	●		
	Linen holder drawer				●			
				Control	Side rails built-in controls (2 exterior + 2 interior)		●	
					Handset control with extendable helical cable		●	
					Nurse control with extendable helical cable		●	

BED ACCESSORIES

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



Crutches Holder

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

910.570

Lifting Trapezee

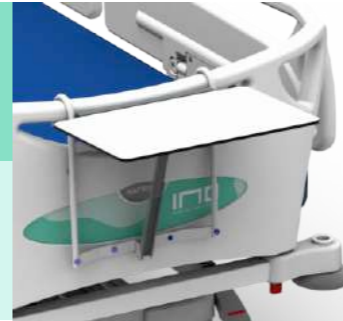


Patient lifting
Stainless steel column
Trapezee with adjustable handle

910.200

Patient lifting
Stainless steel column
Trapezee with auto-adjustable handle

910.201



Writing Tray

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

910.806

O2 Tank Holder



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

910.530



Urinal Holder

Support for urinal
Calibrated stainless steel rod construction
Removable and adjustable

910.019

Bilateral DIN bar for accessories
4 sliding hooks included

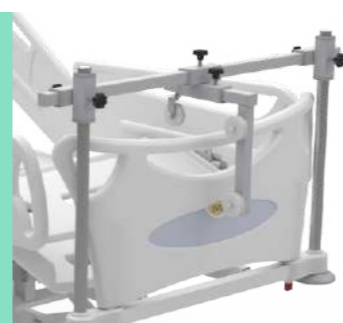
Optional

Monitor Stand



Support for monitor with straps
Epoxy painted structure
Foldable top in phenolic (HPL)

910.810



Traction Frame

Simple traction frame
Fit at the foot of the bed
Weights and cables not included

910.423

MATRIX JR

* Ø150mm ABS caster, PPC frame

Dimensions +/- 5%

Recommended mattress dimensions	1730 x 860 x 120 mm
External dimensions	1941 x 1028 mm
Width with raised siderails	1941 x 1000 mm
Min/Max height	390/763 mm*

Joints +/- 5%

Maximum back incline	70°	
Maximum Cardiac Chair	90°	
Maximum leg incline	40°	
Maximum foot lowering	30°	
Maximum incline	Trendelenburg	17°
	Reverse Trendelenburg	17°

Capacities +/- 5%

Maximum weight (SWL)	250 Kg
Power supply	110-240 VAC, 50/60 Hz
Control unit power	200 VA
Battery charge	18 W
Electrical protection	Class 1 Applied parts type B



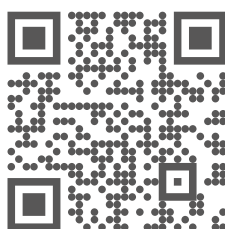
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