



Premium Hospital Beds

MATRIX E30



1



2



3



4



1 Handset Control

Highly shock resistant.
Powered by an extendable
helical cable.

- Allows the following positions:
- Back and Legs
 - Height
 - Auto Contour
 - Trendelenburg and Reverse

3 Foot Controls

Used bilaterally, it makes it
possible to position the bed
with hands free for more
effective treatments.

- Allows the following positions:
- Height
 - Cardiac Chair
 - CPR

2 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.

- Allows the following positions:
- Height
 - Cardiac Chair
 - Shock
 - CPR

Equipped with LED to indicate:

- Battery state
- Selective lock

4 Built-in Controls

Integrated in the upper side
guard rails, they are composed
of 2 caregiver 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

1 Stabilization

Auto Contour Function
Breath Well



Angle Gauges
Precise Medical Positions

2 Verticalization

Seated Position
High Backrest



Reverse Trendelenburg
Set the Uprising

3 Mobilisation

Rails Handgrip
Safe Movements



Low Minimum Height
Easy Bed Exit/Entry

3 STEPS OF EARLY MOBILITY
Better Outcomes

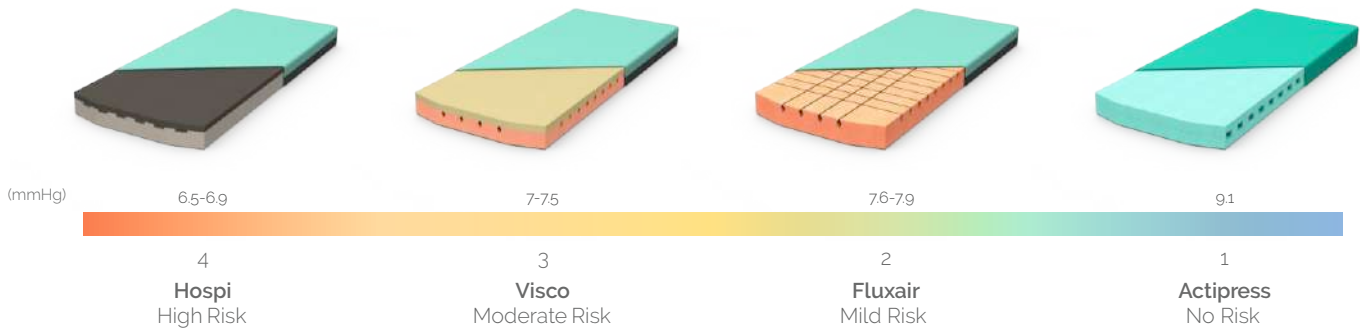


Double Autoregression

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

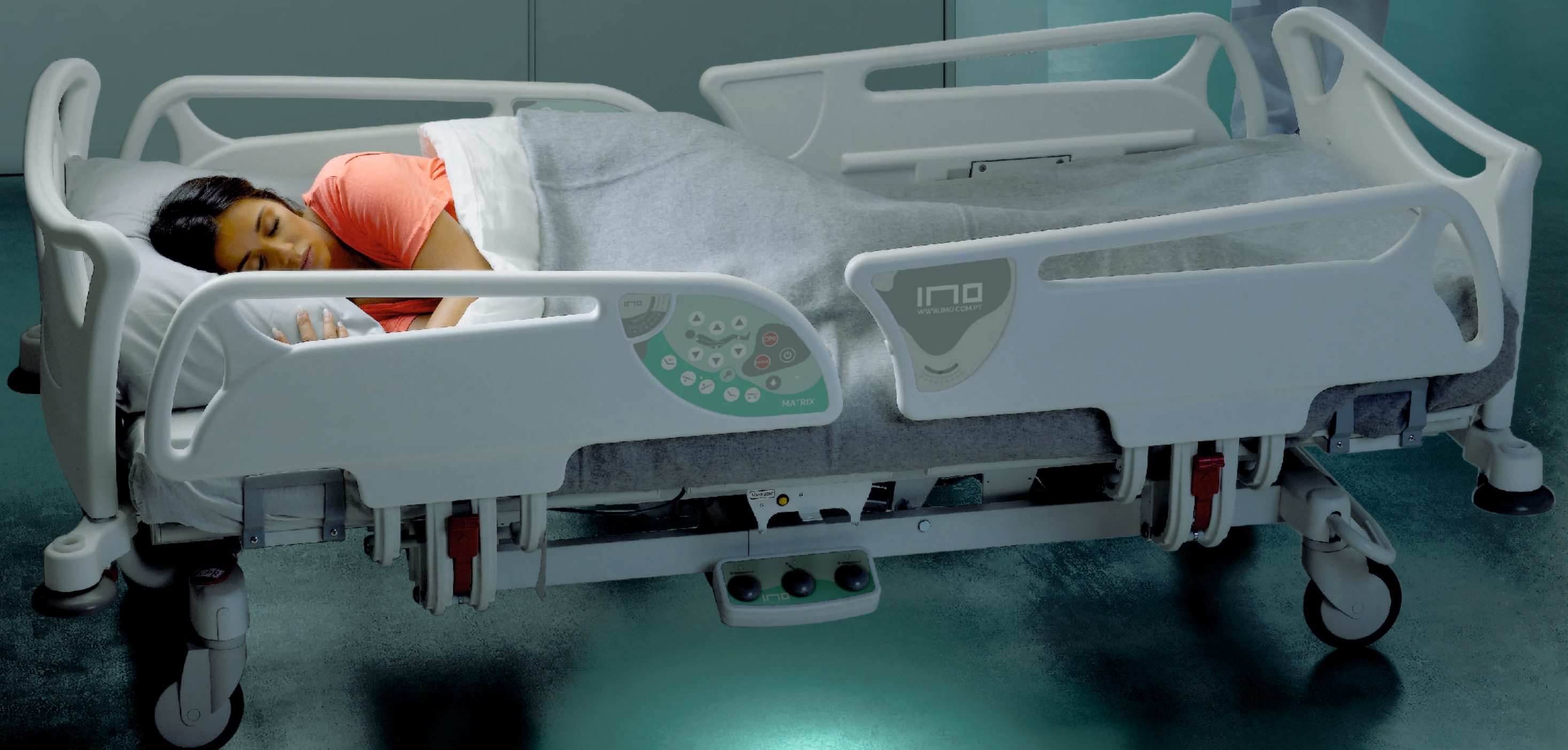
The double autoregression of the back and leg articulations causes decompression and relief of the sacroiliac area, a critical point in the development of pressure ulcers.



ENHANCED SAFETY
Fall Prevention

Night Light

Matrix E30 model has a night light option that facilitates patient orientation in low light environments. Bicoloured light, it changes its colour when at minimum height, thus allowing a quick check whether the bed is in the safe sleeping position.



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.



Zero Gap

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



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



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

Support Drawer

The foot panel has an optional, telescopic-opening, retractable linen holder to support the bed changing service.



Bed Extension

Adjustable foot panel by simple handle system, optional not included.

Telescopic mattress support grid, allowing the extension to be maintained with the articulated foot section.

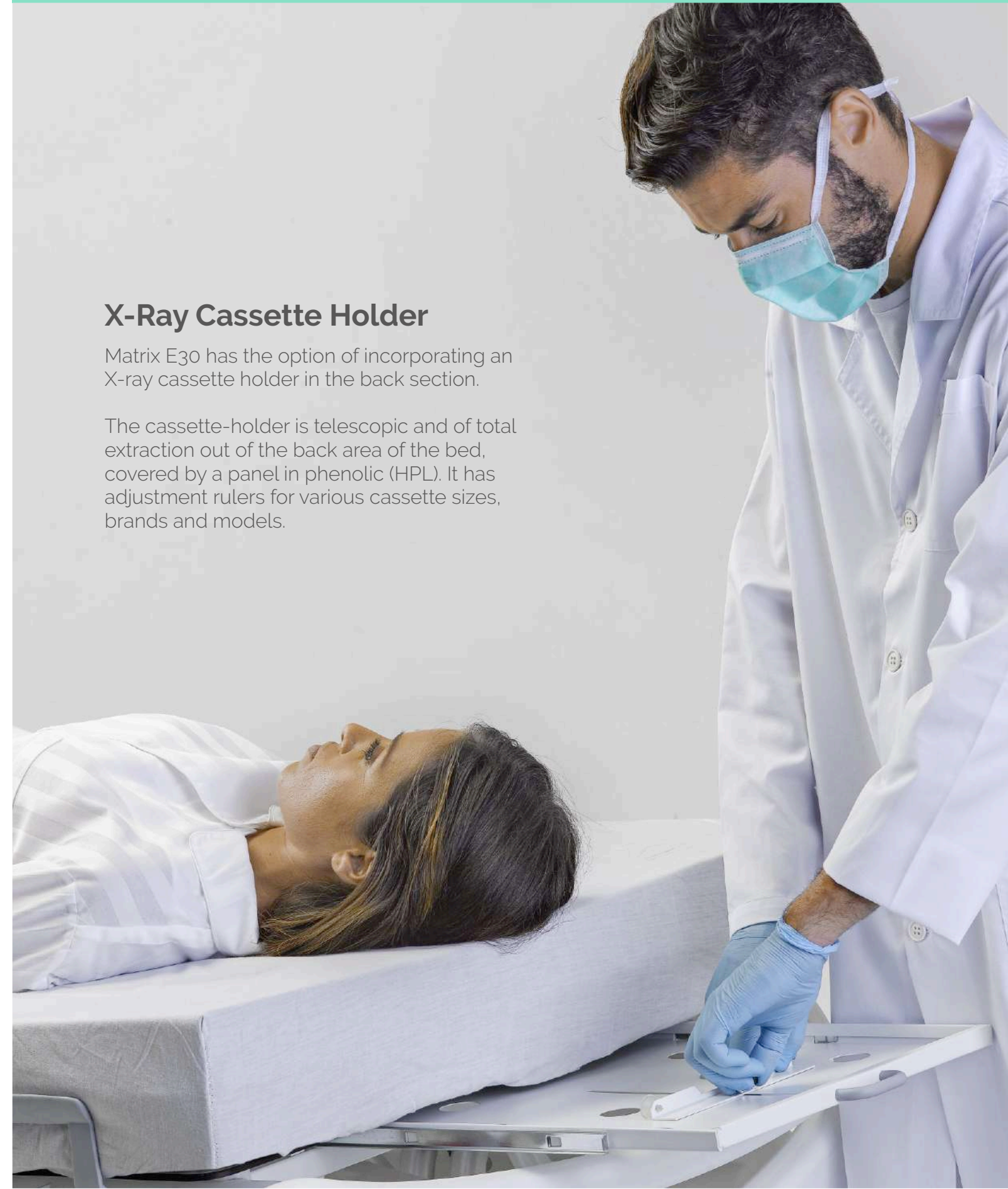
LIGHT HANDLING

Emergency Procedures

X-Ray Cassette Holder

Matrix E30 has the option of incorporating an X-ray cassette holder in the back section.

The cassette-holder is telescopic and of total extraction out of the back area of the bed, covered by a panel in phenolic (HPL). It has adjustment rulers for various cassette sizes, brands and models.



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 E30 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.

LIGHT HANDLING

Easier Transport



Transport Handgrips

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



Brake Bar

Option of bed equipped with cross-brake bar, with centralised braking on all 4 wheels and directional lock on one.



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



- 1 Integral double ABS Ø150mm
 - 2 Integral Smart single ABS Ø150mm
 - 3 Zinc steel single Ø150mm
- ABS casters available in anti-static version

Brake Alarm

Available as an option, it is triggered when you unlock the bed without first removing the plug from the building's power socket.

This function considerably reduces bed maintenance costs.

Barriers Decoration

Availability of non standard finishes on request.



TECHNICAL FEATURES

Model 944.E3

		Standard	Optional	Extra
Standard - feature included as standard. Optional - choose from various options. Extra - feature not included as standard.				
Structure	Bed frame with lpx4 protection	●		
	Robust metal frame epoxy coated	●		
	Mobile components zinc plated or/and stainless steel	●		
	Headboard moves with frame	●		
	Corners protected by soft bumpers	●		
	Bilateral foley bag hooks	●		
Mattress Platform	4 sections bed frame (3 articulated + 1 fixed).	●		
	Modular PPC panels extractable for cleaning		●	
	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			●


TECHNICAL FEATURES


Model 944.E3

		StandardOptionalExtra					StandardOptionalExtra		
Standard - feature included as standard. Optional - choose from various options. Extra - feature not included as standard.					Standard - feature included as standard. Optional - choose from various options. Extra - feature not included as standard.				
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 Ø150mm ABS double casters		●			Backrest and Trendelenburg angle gauge			●
	Integral Smart Ø150mm ABS single casters		●			Collapsible and folding system Gap Zero	●		
	Ø150mm zinc steel single casters		●			Soft drop released by red handle	●		
	Central locking and steering control pedal		●						
	Central locking and steering control bar		●						
	Adjustable fifth wheel			●	Electric Setup	Motions managed by a microprocessed unit	●		
	Anti-static wheel			●		Low voltage motors DC24V (4 linear actuators)	●		
	Brake alarm			●		Batteries with discharge alarm	●		
Head/Foot Boards	In HDPE medical (High Density Polyethylene)	●			Control				
	Easily removable	●				Side rails built-in controls (2 exterior + 2 interior)		●	
	Transport lockers (removed on demand)	●				Handset control with extendable helical cable		●	
	Mattress platform extension		●			Nurse control with extendable helical cable		●	
	Foot end with rack for nurse control support	●				Bilateral foot control			●
	Linen holder drawer			●		Bicoloured night light (lowest position)			●
						Digital electronics with advanced functions			●

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

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


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

	Foldable writing tray Epoxy painted structure Top in phenolic (HPL)	910.806
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Writing Tray


O2 Tank Holder


	Support for oxygen tank Fitting on the corners of the bed In stainless steel	910.530
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	Support for urinal Calibrated stainless steel rod construction Removable and adjustable	910.019
	Bilateral DIN bar for accessories 4 sliding hooks included	Optional

Urinal Holder

Monitor Stand

	Support for monitor with straps Epoxy painted structure Foldable top in phenolic (HPL)	910.810
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	Removable, full orthopaedic traction structure, made of stainless steel. Covering the entire length of the bed, With lateral length and height adjustment.	910.421
	Simple traction frame Fit at the foot of the bed Weights and cables not included	910.423

Orthopaedic Frame

MATRIX E30

* Ø150mm ABS caster, PPC frame

Dimensions +/- 5%

Recommended mattress dimensions	1970 x 860 x 120/150 mm
External Dimensions (split rails)	2181 x 1028 mm
External Dimensions (full-length rails)	2181 x 1000 mm
Minimum/Maximum Height	390/763 mm*

Joints +/- 5%

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



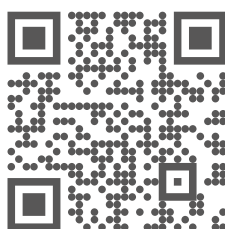
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