



Premium Hospital Beds

MATRIX E30



# MULTIPLATFORM CONTROLS

User Friendly Device

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

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

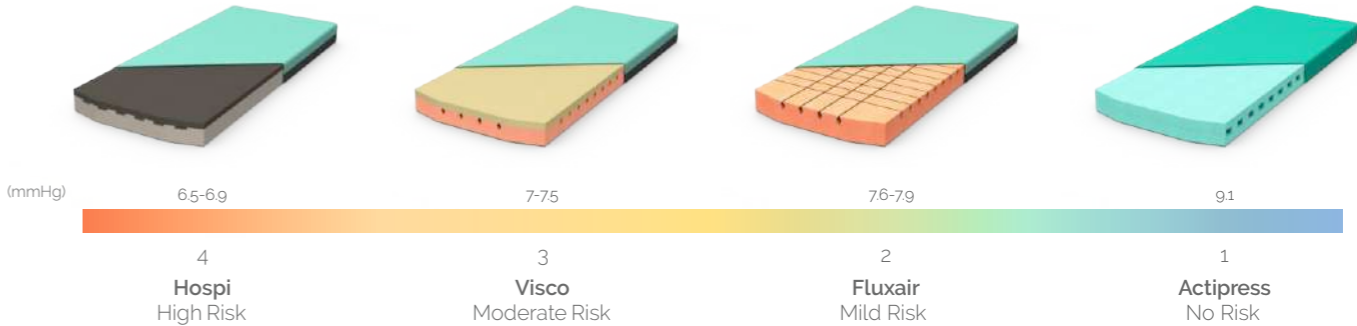


**Double Autoregression**

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**

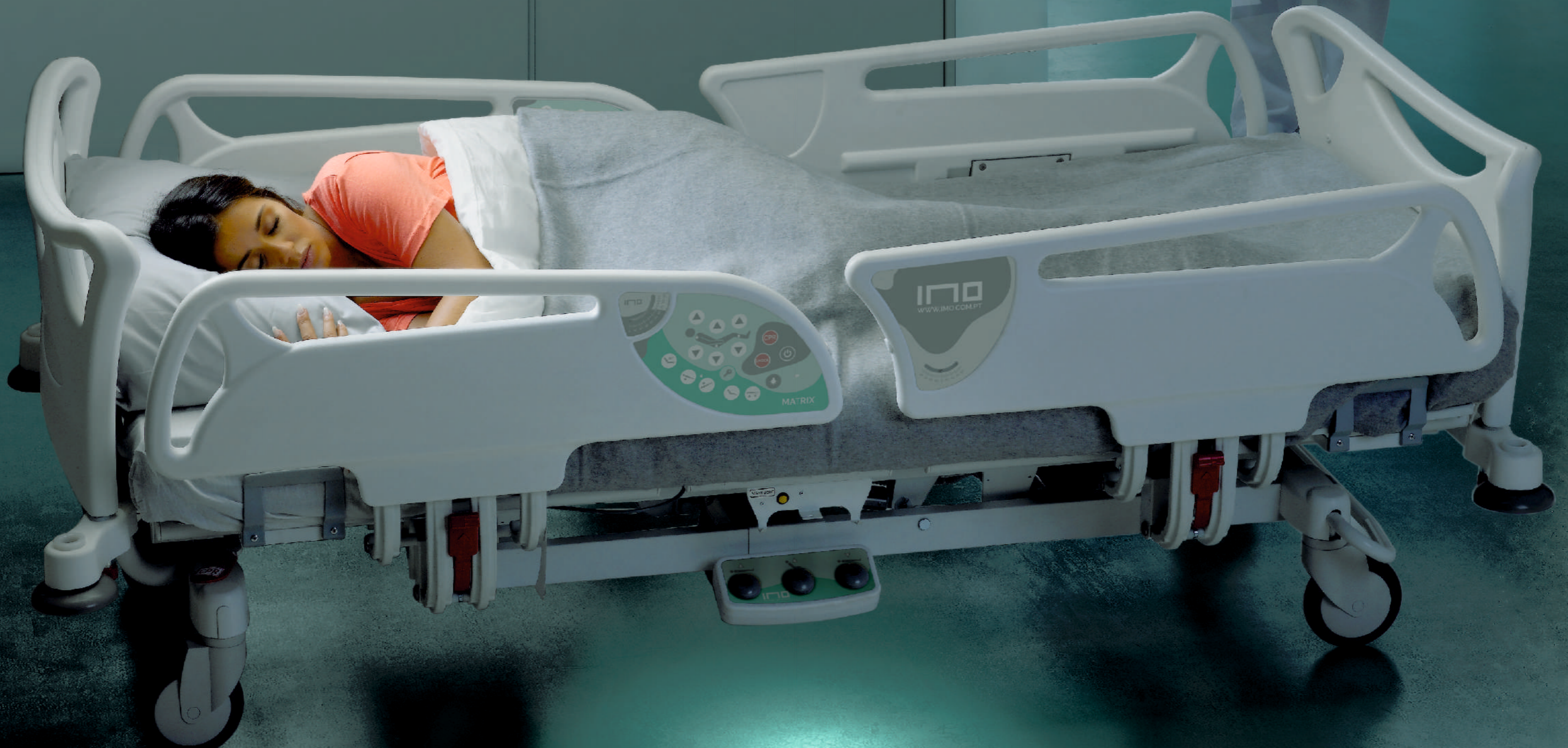
The double autoregression of the back and leg articulations causes decompression and relief of the sacroiliac area, a critical point in the development of pressure ulcers.



**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.



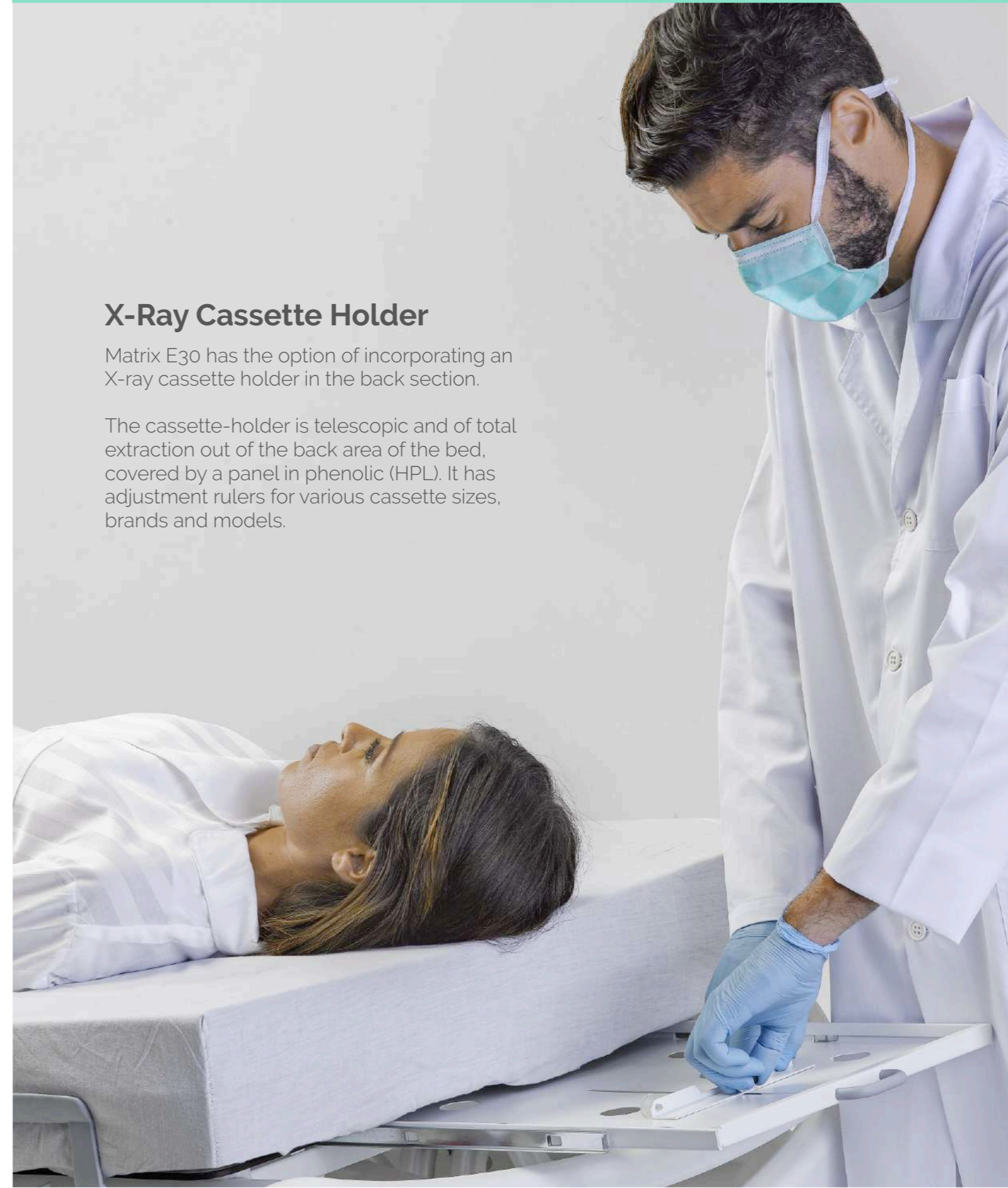
### Bed Extension

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.



### 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

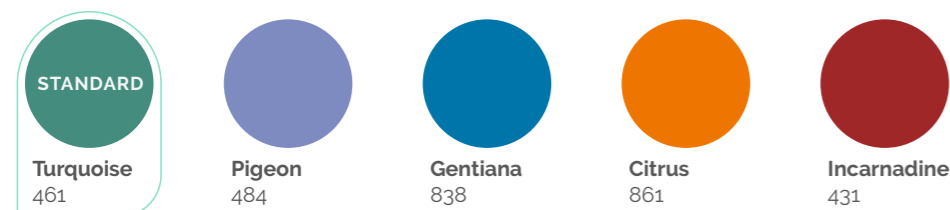
## Brake Alarm

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** - feature included as standard.  
**Optional** - choose from various options.  
**Extra** - feature not included as standard.

**Standard**  
**Optional**  
**Extra**

### 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

**Standard** - feature included as standard.

**Optional** - choose from various options.

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**Optional** - choose from various options.

**Extra** - feature not included as standard.

**Standard**  
**Optional**  
**Extra**

	Standard	Optional	Extra		Standard	Optional	Extra		
<b>Base</b>	Open design base to prevent dirt build-up	●		<b>Side Rails</b>	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				●	<b>Electric Setup</b>	Motions managed by a microprocessed unit	●	
	Anti-static wheel				●		Low voltage motors DC24V (4 linear actuators)	●	
	Brake alarm				●		Batteries with discharge alarm	●	
				Cable holder for transport	●				
<b>Head/Foot Boards</b>	In HDPE medical (High Density Polyethylene)	●		<b>Control</b>	Side rails built-in controls (2 exterior + 2 interior)		●		
	Easily removable	●			Handset control with extendable helical cable		●		
	Transport lockers (removed on demand)	●			Nurse control with extendable helical cable		●		
	Mattress platform extension		●		Bilateral foot control			●	
	Foot end with rack for nurse control support	●			Bicoloured night light (lowest position)			●	
	Linen holder drawer				●	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



### Crutches Holder

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

910.570

### Lifting Trapezee

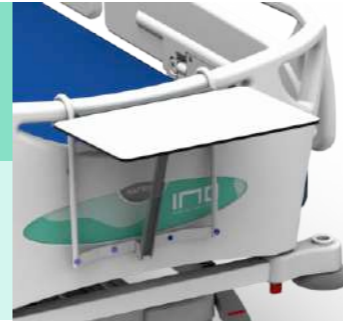


Patient lifting  
Stainless steel column  
Trapezee with adjustable handle

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

910.530

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



### Orthopaedic Frame

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

## 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 1020 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 patient weight	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



## Registry and Conformity

- CE Mark
- Officially registered as Medical Device Class I, n° 125/DM/2017/01/217 - Infarmed
- Over the scope of Regulation (EU) 2017/745/EU and Decree-Law 145/2009
- Certified according to the standard EN ISO 9001 - Quality Management System
- Certified according to the standard EN ISO 13485 - Medical Devices Conception and Manufacturing

# medi<sup>+</sup> HEALTH

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