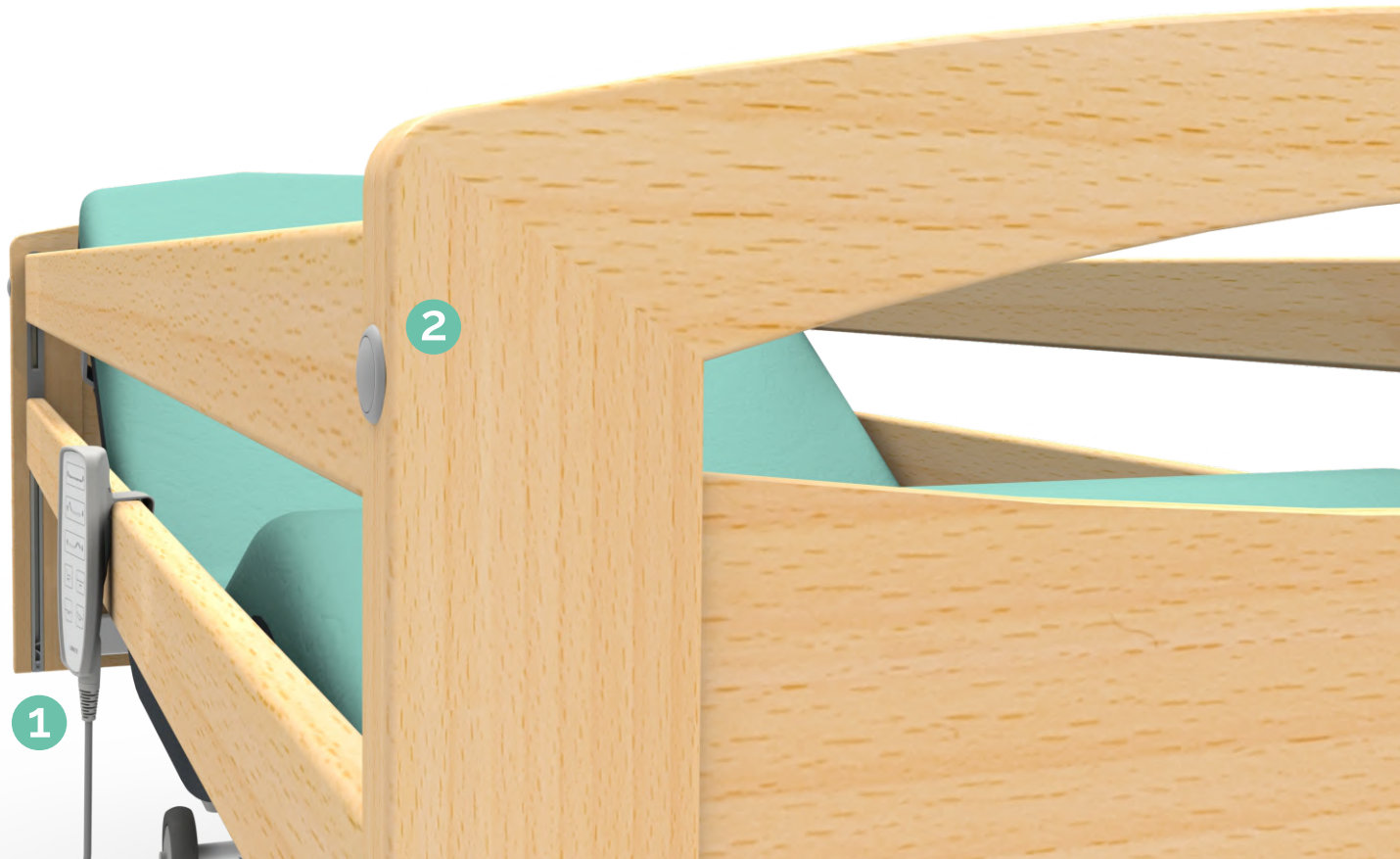






Geriatric Bed

Matrix U24 was created as a solution in the fight against injuries caused by accidental falls. With parts applied in natural wood, creates a more familiar environment without neglecting the features to help care for patients with high risk of dementia, making this an ideal bed for nursing homes and long-term care units.

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.

Robust Architecture

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

240-780 mm lifting stroke and maximum patient load of 185 Kg.

1 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

2 Rails Locking

Intuitive and secure side rail locking also increases the quality of care and makes the bed easier for healthcare professionals to use.

High vertical coverage and the possibility of creating a wide opening at the foot of the bed reduces the risk of injuries caused by accidental falls.

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.



Reverse Trendelenburg

It performs automatically, by the activation of a single button, the Reverse Trendelenburg position. Used to adjust the bed to the most comfortable inclination for the patient.



Rest

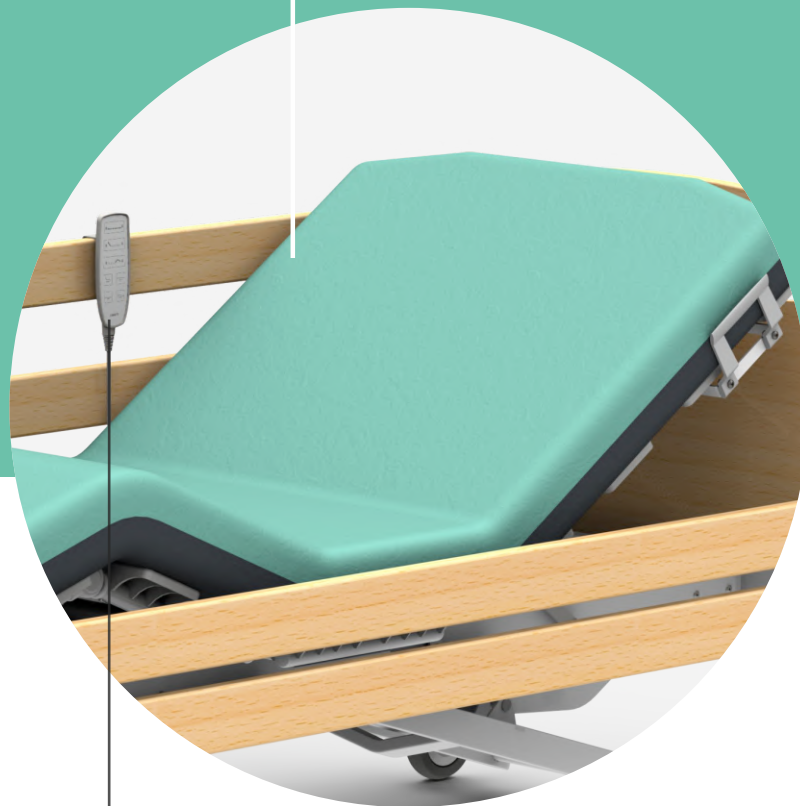
Automatically sets the minimum height position and levels the mattress platform at the push of a single button. Ensures a safe and comfortable sleep period.



3 STEPS OF EARLY MOBILITY

1 Stabilization

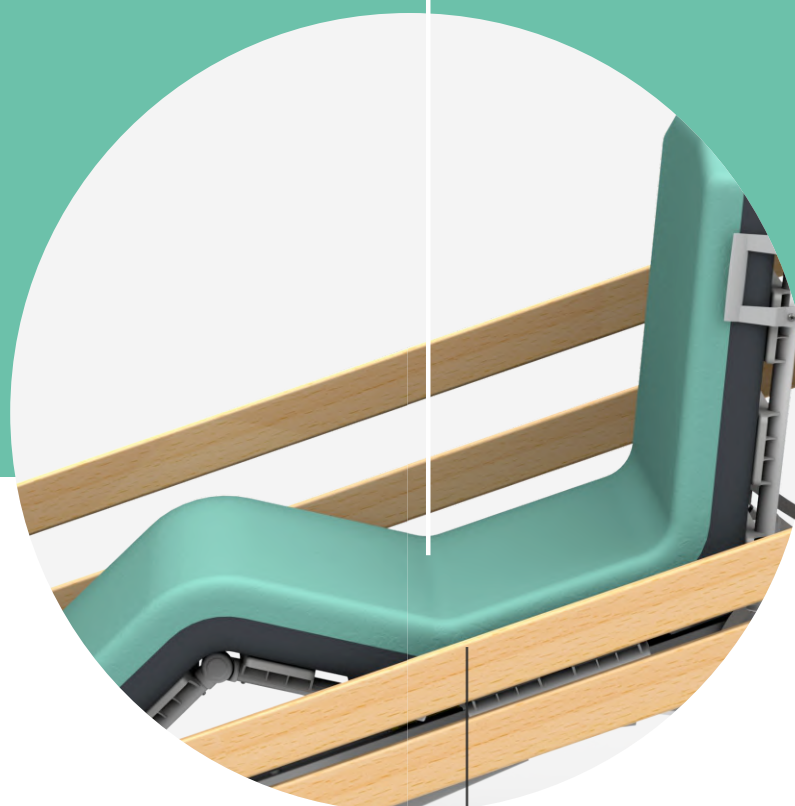
30° Back Stop
Breathe Well



Patient in Control
Automatic Positions

2 Verticalization

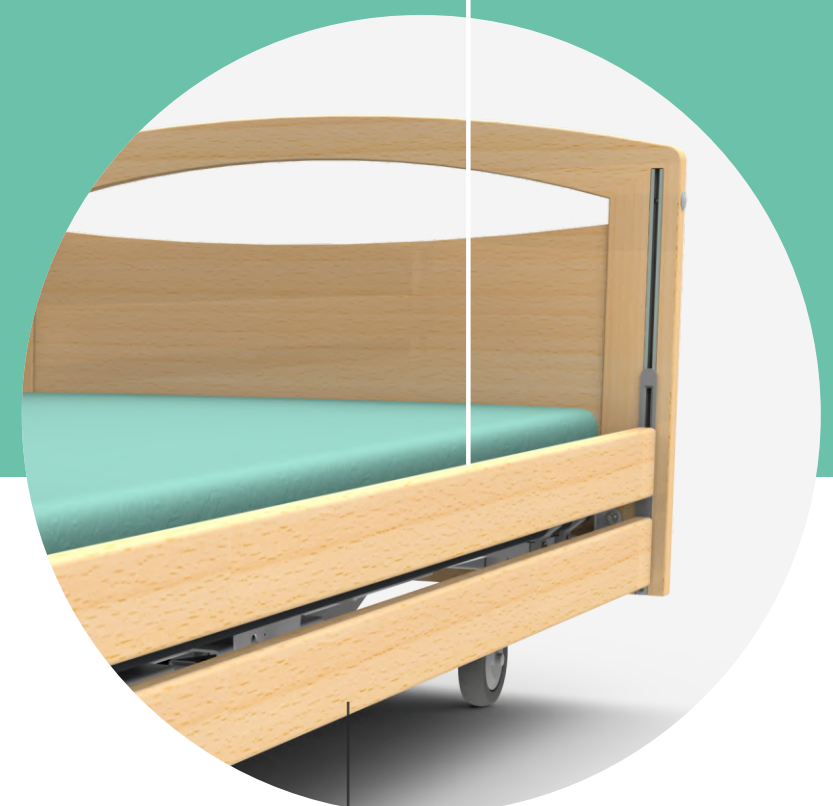
Seated Position
High Backrest



Reverse Trendelenburg
Set the Uprising

3 Mobilisation

Ultra Low Height
Easy Bed Exit/Entry



Rails Below Mattress
Safe Movements

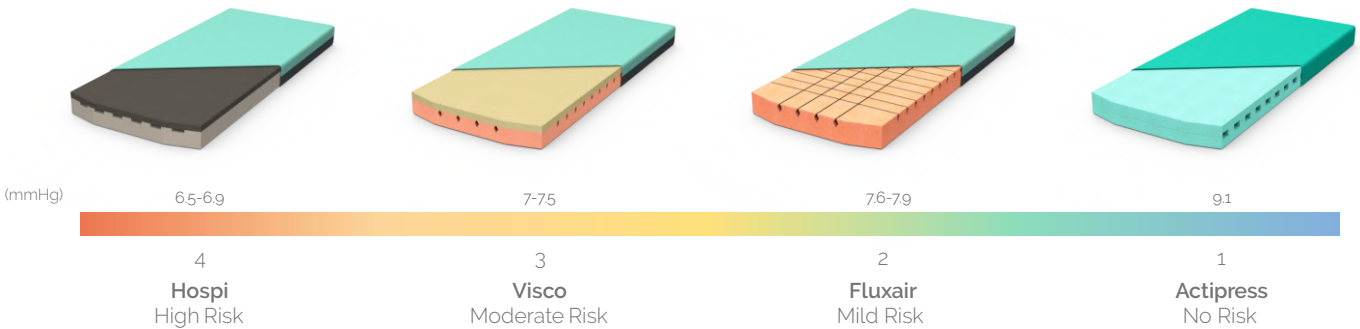


Double Autoregression

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.



Differentiating Accessories

Essential health care accessories are available to assist patients with reduced mobility, reducing the risk of falls and the time taken for actions.



INFECTION CONTROL

Hospitality

Total Disinfection

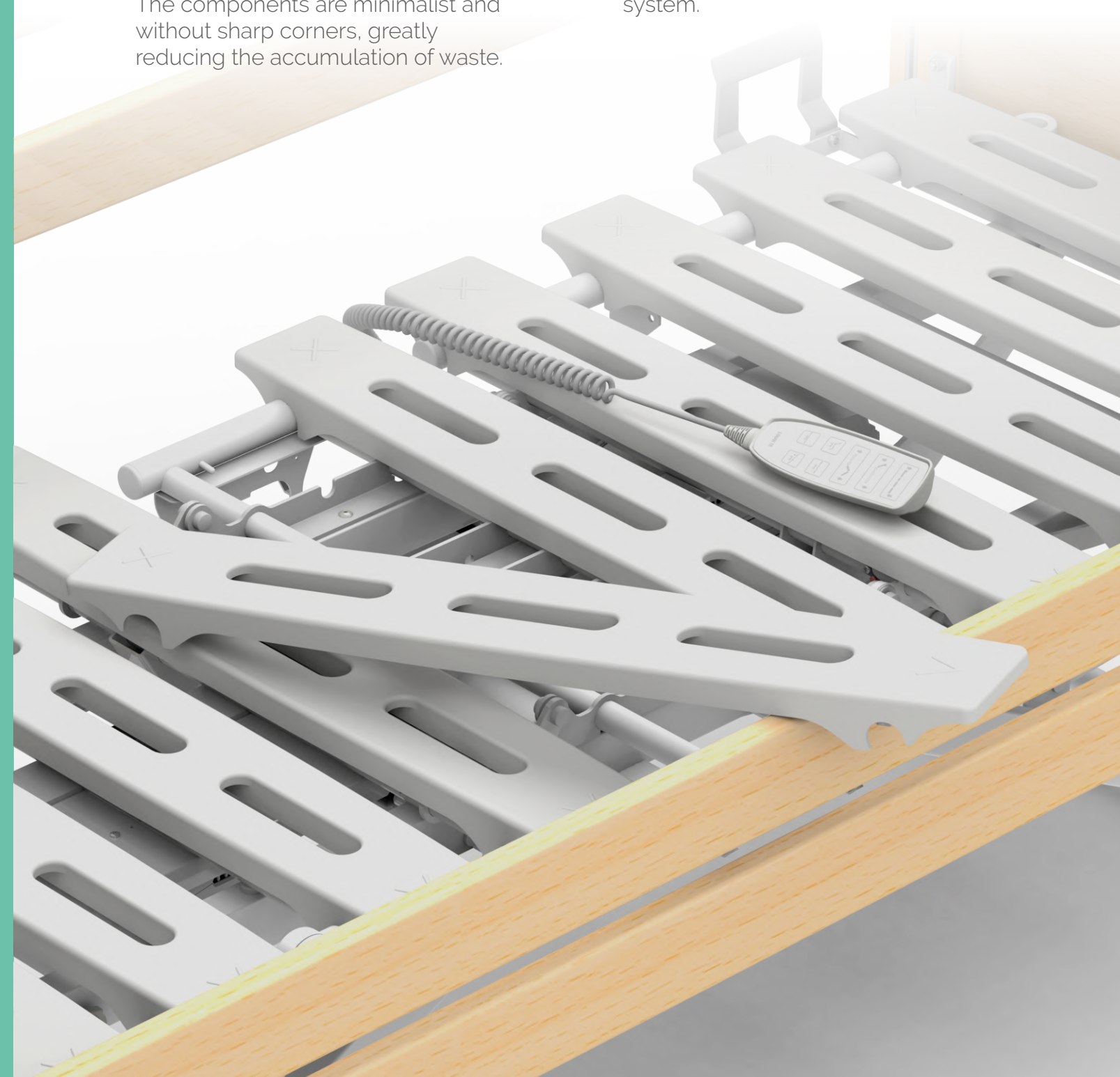
The design of the bed has been conceived to facilitate the cleaning process. Reducing as far as possible the points where dirt accumulates.

The components are minimalist and without sharp corners, greatly reducing the accumulation of waste.

Mattress Platform

The bed frame consists of 11 modular components made of plastic (PPC).

All the components can be extracted for cleaning using a quick-lock system.



ERGONOMICS AND TRANSPORT

Better Outcomes

1 High Comfort

Matrix U24 has many features, such as the articulated hospital bed, the therapeutic mattress and the natural wood protections, that contribute to create a favourable opinion of the patients who rest in it, contributing to faster recoveries and more pleasant stays.

2 Vascular Position

The height of the foot section is adjustable point by point by a rack for manual use.

When combined with Auto Contour and Trendelenburg, it can improve circulation of blood to the heart, a necessary procedure in reducing the risk of hypovolemic shock and after some vascular surgeries.

3 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.



TECHNICAL FEATURES

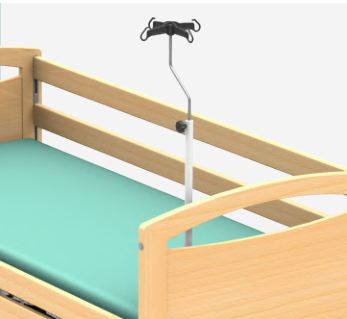
BED ACCESSORIES

Structure

- Robust metal frame epoxy painted
- Mobile components zinc plated or/and stainless steel
- Bilateral foley bag hooks

Mattress Platform

- 4 sections bed frame (3 articulated + 1 fixed)
- Modular PPC panels extractable for cleaning
- Double autoregression
- Flexible mattress shoulders
- Foot section manually adjustable by a mechanical rack



- Serum support
- Stainless steel column
- Adjustable rod with 4 hooks

910.104i

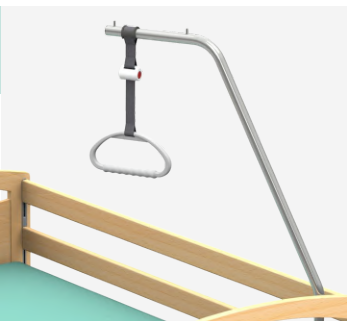
- Serum support
- Epoxy painted column
- Adjustable rod with 4 hooks

910.104

IV Pole

Wheelset

- Ø100mm ABS double casters, 2 with central brake
- Ø125mm directional wheels



- Patient lifting
- Stainless steel column
- Trapezee with adjustable handle

910.200

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

910.201

Lifting Trapezee

Side Rails

- In natural beech wood
- Biphasic dropping by 2 buttons

Crutches Holder

Control

- Handset control with extendable helical cable



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

910.570

Electric Setup

- Motions managed by a microprocessed unit
- Low voltage motors DC24V (4 linear actuators)

MATRIX G24



Dimensions +/- 5%

Recommended mattress dimensions	1970 x 860 x 120-150 mm
External dimensions	2075 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 Trendelenburg	18°

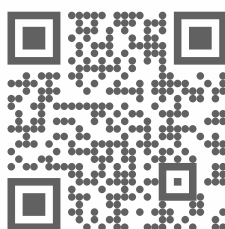
Capacities +/- 5%

Maximum patient weight	185 Kg
Power supply	100-240 VAC, 50/60 Hz
Control unit power	390 VA
Battery capacity	1,2 Ah
Electrical protection	Class 1

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