

Puro



Clinic | Care | Homecare | Assist

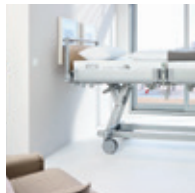
More than just
a bed







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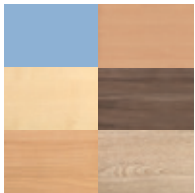
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More than just a bed: Puro

The Puro hospital bed is more than just a “patient bed”. These days, medical products must offer clear-cut added value: innovative technology teamed with useful services. The Puro concept provides solutions for the tasks of the current care routines.

Hygiene, patient comfort and easy handling are key issues that were considered when developing the Puro. Useful services before and after the bed purchase facilitate the maintenance of the Puro’s value.

During our more than 100-years of experience in developing hospital beds and listening closely to our customers, we have learned that every bed has to integrate with the hospital setup individually.

Individual consultations

As early as in the first talks with the customer, we examine the processes that relate to the availability, cleaning and maintenance of the beds. We have the objective to offer a hospital bed that is, in addition to the mere product benefits, perfectly adjusted to the customer’s daily routines. Moreover, we analyse the operational procedure around the bed with the customer to allow that it can be used in an even more economic way.



Versatile product benefits

The Puro combines a user-focused design with simple operation and innovative solutions for hygiene. The MultiFlex⁺- safety sides for one-hand operation with a soft lowering of the side supports allow easy access to the patient.

Due to the planar design and the cable integration into the frame, the bed can be cleaned quickly and easily.



Reliable service

A hospital bed has to function at any time and under highest stress. It is simply indispensable in the day-to-day hospital routine. To ensure this, we offer a broad service network and long-term spare parts delivery. Consequently, the bed downtimes are minimised and continual availability is ensured. In case it is needed, our service staff can offer support with their comprehensive product know-how and quick on-site assistance.





Functional design

A hospital bed initially impresses with its attractive appearance. However, its technical functions must likewise be convincing.

The Puro features a balanced use of shapes. The head- and footboards have deliberately been designed with a low height. As a result, the bed appears straighter, generating a homely atmosphere. The head- and footboards are available in the two versions Stelo (image 1) and Rondo (image 2). Due to the reduction

of gaps and the easy-to-clean design, the Puro comes with good hygiene characteristics (image 3). The compact design of the safety sides makes the bed appear slim. Moreover, this provides an additional protection against damage for the sides of the bed when it is moved (image 4).

The new design language of the Puro is likewise reflected in the handset and the brake lever (image 5 and 6).





Innovative solutions for safe hygiene

Good hygiene characteristics are an enormous challenge for a hospital bed. How can a bed be designed in such a way that thorough and fast cleaning is possible?

With the Puro we have integrated the cables into the bed frame so they do not interfere with manual cleaning (image 1). Furthermore, we employ closed, large-format and removable components to make

cleaning by hand as simple as possible (image 2). However, the inevitable niches are easily accessible, since we have allowed enough space for them (image 3). In addition, the curved shape of the safety sides facilitates cleaning (image 4).

Needless to say that the Puro is also, as an option, suitable for automatic decontamination.





Solutions for bed reprocessing

Our experience of more than 30 years with the automatic reprocessing of hospital beds has, of course, influenced the development of the Puro.

Thanks to its cavity-sealed frame structure, the washable version of the Puro meets the high demands of an automatic decontamination. This means that all bed components can be cleaned particularly carefully. The special cathodic dip coating ensures a durable corrosion protection.

The hygiene mattress base of the Puro features a water draining shape and dries quickly. This saves time that is highly valuable in today's care routine.

If you are not sure where and how your beds can be cleaned optimally and which reprocessing method is the proper one for you, please contact us directly. We will gladly advise you.





Easy-to-operate concept

The Puro is operated with the aid of an LCD handset with only three buttons and a large display. As a result, the handling is particularly easy and clear: for patients, care staff and technicians.

Using the three buttons, the handset can also be operated by severely restricted patients (image 1). The care staff may call up special functions with the handset, such as emergency settings. Furthermore, functions for the patient can be specifically locked and released.

For service technicians, the handset offers special settings for bed maintenance. In addition, potential

problems can be solved particularly quickly on the basis of the integrated error analysis.

The LCD handset is very robust and has a slim and elegant design. Dimmed permanent backlighting makes the controls easy to see at any time of day or night. Particularly functional: It can be inserted at the bed frame on the side where it is both protected and easy to reach (image 2).



Practical details

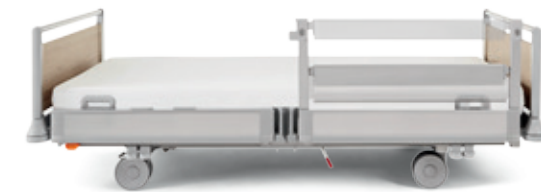
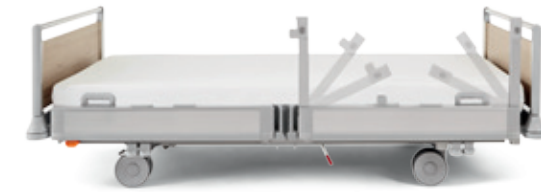
The head- and footboards satisfy with an elegant design, a simple removal and little weight (large figure on the left). The boards of the Puro are equipped with safe plug-in connections that can be easily unlocked (image 1). This technology ensures a fast patient-centred care – especially in emergencies.

For tall patients, the mattress base can be extended to a convenient length of 228 cm. The bed extension can

be unlocked with only one action and moved out (large figure on the right).

The linen holder underneath the footboard makes the daily bed-making easy and enables a hygienic depositing of the bed linen (image 2).





MultiFlex⁺- safety sides

In addition to safety, during the development of the safety sides concept MultiFlex⁺ the focus was set on simple handling and mobility support.

The safety sides can be operated intuitively by the care staff and lowered with only one hand. The side supports will then go down with a soft movement. If the MultiFlex⁺-safety sides are pulled up at both the

head and the foot section, they offer the same safety as full length safety sides. In addition, the individual segments and the guide ducts facilitate the simple and protected use of drainage tubes.

As an option, the Puro may also be equipped with full length safety sides.



Helping to increase mobility

The fast mobilisation of patients becomes ever more important. The MultiFlex⁺- safety sides offer a mobilisation support at the centre of the bed. The ergonomically shaped support helps patients to sit up independently and gives them even more safety (image 2 and 3). The mobilisation of the patient starts with straightening up into a seating position (image 1). The

large height adjustment range of the mattress base helps patients to leave the bed at an individually set height. At the same time, the height adjustment enables back-friendly working for daily care (large figure on the left). In addition, the bed supports the prevention of falls in its lowest position.



Digital assistance systems

Under the designation “e-help”, Stiegmeyer develops digital assistance systems. These systems ensure a high care quality and relieve the care staff at the same time.

One of the many options of our e-help technology is the provision of a Out-of-Bed-system. This system, for example, detects by means of a load sensor in the

backrest of the bed when a fall-prone patient leaves the bed. Through the connection to the inhouse call system, the care staff will be informed automatically within a previously selected time frame. In addition, the automatic operation of the under bed light may be activated in the same way. This improves orientation in the dark and helps to prevent falls.

We develop our digital assistance systems continuously and upgrade them with new functions. In the future, many new possibilities will be open to you that facilitate the daily hospital routine even further and integrate directly into the existing system.







Variant lino – even narrower

Hospital beds must often also function within the smallest space. Small door frames, narrow corridors and limited patient rooms are usually true obstacles for standard beds. Therefore, the Puro is also available in the smaller variant lino. It has an outside width of only 99 cm. This makes moving the bed easier for

the care staff and enables a better passage through doors. Especially in narrow and limited room situations, this offers noticeable advantages.

Variant brevo – especially low

The adjustability of hospital beds to a low height is regarded as an important feature to avoid patient injuries due to falling. The variant brevo enables the lowering of the mattress base to a height of only 28 cm. This “low height” considerably reduces the risk of injuries in case of a fall. An automatic intermediate

stop at a height of 41 cm makes it much more convenient for the patient to leave the bed. In addition, the Puro can be elevated to a convenient working height – also for tall care staff members – of up to 91 cm.



Maintenance and servicing

The quality of the hospital bed becomes also apparent when the required maintenance activities are carried out. This is why we positioned all sensitive and electronic components of the Puro in such a way that they are especially protected and still highly accessible. As a result, the Puro is particularly easy to maintain and service.

The LCD handset can be attached to the bed in such a way that it is always in a protected area. As a result, it is safe from damage and always available at the same time (image 1). Should the handset need to be exchanged, it can be replaced through the easily accessible plug in an uncomplicated manner (image 6).

The control unit and battery are arranged under a cover underneath the head end of the mattress base

(image 2). Consequently, necessary maintenance and repair activities can be performed conveniently in just a few steps. For a smooth maintenance process and a quick error analysis, the LCD handset offers an own operation level for in-house and service technicians (image 4).

However, to prevent unnecessary failures right from the start, the Puro is designed in such a way that it offers an all around protection for the hectic daily routine. For example, the deflection cone helps the bed avoid unexpected edges and corners (image 3), whereas the universal wall deflection roller acts as a protection in both horizontal and vertical direction (image 5).

Technical Data

	Standard		Depth-adjustable	
Dimensions and weights	Puro	Variant lino	Variant brevo	combined with lino
External dimensions	103.8 x 218.5 cm	99.8 x 214.5 cm	103.8 x 218.5 cm	99.8 x 214.5 cm
Mattress base (mattress dimensions)	90 x 200 cm	87 x 200 cm	90 x 200 cm	87 x 200 cm
bed extension	28 cm		28 cm	
Mattress base allocation	83 – 15 – 33 – 53 cm		83 – 15 – 33 – 53 cm	
Backrest length compensation	10 cm		10 cm	
Safe working load	260 kg		260 kg	
Maximum patient weight	approx. 220 – 230 kg		approx. 220 – 230 kg	
Floor clearance of chassis	16,9 cm		14,3 cm	
Floor clearance of chassis with Linea castor Ø 150 mm	14,1 cm		16,8 cm	
Total weight	approx. 155 kg		approx. 155 kg	
Protection height of safety sides	42 cm		42 cm	
Adjustment options				
Tilting into the Trendelenburg position	17°		17°	
Tilting into the Reverse-Trendelenburg position	17°		16°	
Mattress base height	approx. 35 – 91 cm		approx. 28 – 84 cm	
Mattress base height with Linea castor Ø 150 mm	approx. 32 – 88 cm		approx. 30 – 86 cm	
Backrest angle	70°		70°	
Thigh rest angle	40°		40°	
Raised straight leg position angle	16°		16°	

Mattress base

- Hygiene mattress base (polypropylene)
- Mattress base of full plastic (HPL)
- Bed extension 28 cm

Fastening possibilities for supply accessories

- Supply rail integrated in the safety sides with sliding sleeves
- two internal attachments each for patient lifting pole or infusion stand at head and foot end

Head- and footboards

- Completely removable
- Available in a range of colours and decors

Materials

- Chassis and mattress frame: Aluminium die-cast and steel welded structure with durable polyester powder coating
- Head- and footboard filling: HPL plates
- Mattress base parts: Steel, TPE-E, GRP or PP plastic (polypropylene)
- Design of the materials for automatic decontamination systems possible

Electromotive equipment

- Use of a powerful toroid transformer
 - low power consumption
 - high power capacities
 - low stand-by power consumption
 - low electromagnetic pollution
- 5-fold protection against overloading and overheating
- High-quality EPR power cable
- Handset cable in high PU quality
- Durable battery package with charging indicator
- Automatic stop of the mattress base adjustment when the horizontal line is reached or at a height of 41 cm (brevo)
- Automatic activation of the under bed light when the lowest mattress base height or a height of 41 cm (brevo) is achieved
- All motors of dust-proof design and protected against heavy spray water according to IPX6 or IPX6 washable (optional)

Protection against damage

- Edge protection integrated into the safety sides
- 4 wall deflection rollers provide protection both on the horizontal and vertical plane (optional)
- Additional deflection cones above the wall deflection rollers (optional)
- Brake signal (optional): Signal sound max. 5 min.
- Upward or downward limitation of mattress base height possible

Equipment and options

	Puro	
Mattress base heights	Standard adjustment range	●
	Depth-adjustable (variant brevo)	○
Outside bed widths	103.8 cm, mattress 90 cm (standard)	●
	99.8 cm, mattress 87 cm (variant lino)	○
Safety sides	Full length	●
	MultiFlex*	○
Design of head- and footboards	Rondo	●
	Stelo	○
Base colours	Crystal white NCS S0500N	●
	Argentum similar to RAL 9006	○
Decontamination, degree of protection	Manual reprocessing, IPX6	●
	Automatic reprocessing, IPX6W	○
Mattress bases	Hygiene mattress base PP	●
	Hygiene mattress base PP for belt system	○
	Mattress base of full plastic for belt system	○
Wall deflection rollers	4 standard, circumferential	●
	4 universal, circumferential ¹⁾	○
	2 universal at head end, 2 standard at foot end ¹⁾	○
Deflection cone	Head end	○
	At head and foot end	○
Castors	ST smooth running castor Ø 150 mm	●
	Integral castor Ø 150 mm	○
	Double castor Ø 150 mm	○
	Linea double castor: Ø 150 mm	○
	Linea double castor Ø 125 mm (only variant brevo)	○
Conductive castor coating	1 castor	●
	2 castors	○
	4 castors	○
Foot brake	Die-casting, chrome-plated	●
	Die-casting, chrome-plated with colour coding	○
Track roller positions	Head end, right	●
	Head end, left	○
	Foot end, right	○
	Foot end, left	○
		○
Operational controls	LCD handset	●
	LCD handset with locking box in the linen holder	○
	LCD handset with control box in the linen holder	○
Out-of-bed system	Yes	○
	Yes, including under bed light	○
Further equipment	Sliding rail at head end	○
	Sliding rails at the side under back rest	○
	Backrest damping	○
	Backrest angle display	○
Electronic equipment	Foot pedal	○
	Brake signal	○
	Under bed light	○
	Control satellite	○

1) Universal wall deflection roller only possible with standard width

● = standard
○ = optional

Decors

Snow White 9417-60
Azur 0744-60
Global Beech 4306-60
Noce Lyon 4232-60
Silver Grey 0160-60
Ottawa Maple 4209-60
Gold 0446-60
Noce Praliné 4452-60
Baltic Sea D475-60
Eternal Cherry 4325-60
Garonne Oak 4111-60
Storm 10542-60

Ihr Bett – unsere Leidenschaft
Your bed – our passion

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Technische Änderungen vorbehalten. Leichte Farbabweichungen der Originale sind drucktechnisch bedingt. Stand 12/2016. Version 2. Artikel-Nr. 600536.
Subject to technical changes without notice. The shown product colours may differ slightly from the actual product. Last updated 12/2016. Version 2. Item no. 600536.

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