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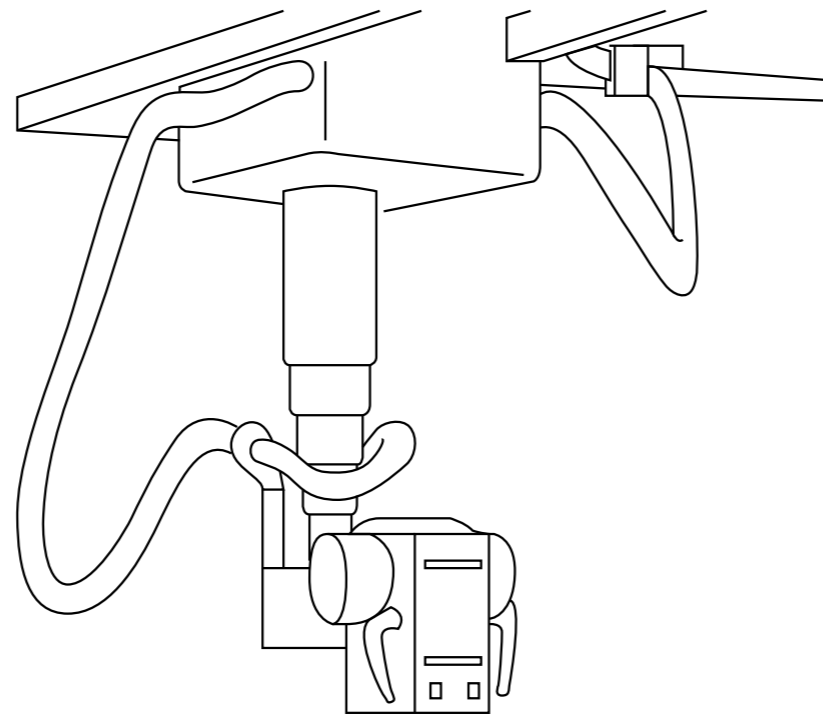
MADE IN ITALY

HORIZON 400

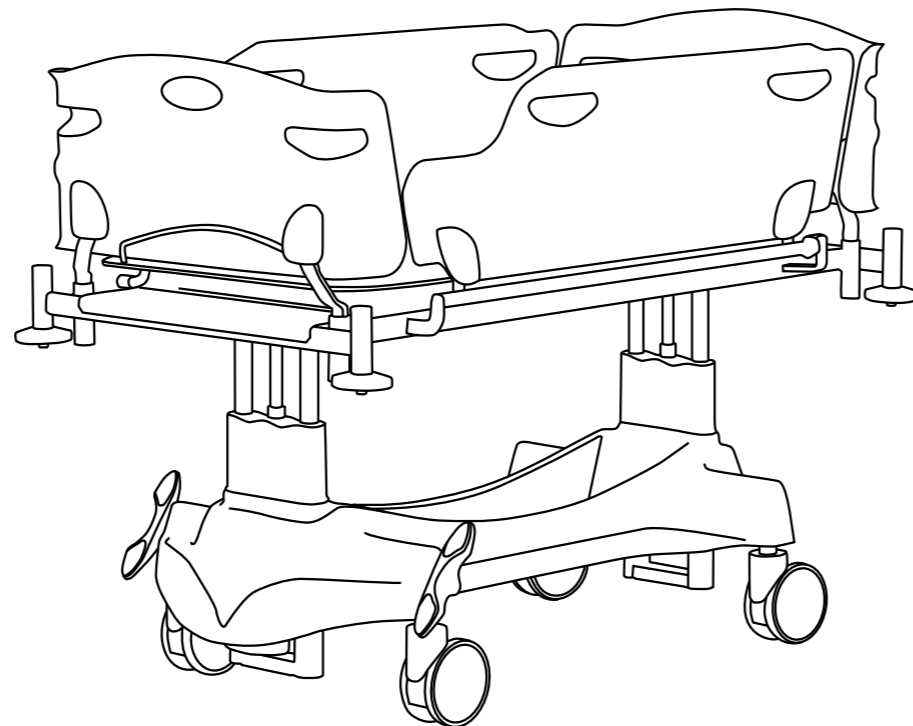
Pediatric beds
for pediatric ICU



Contact transmission is the most frequent mode of transmission of nosocomial infections, from beds, cots, furniture and hospital staff, many people touch the bed and furniture including family member's, medical staff, nursing, physio, occupational therapists and many more, potentially cross infecting as they go. Products therefore, in this vulnerable area, need to be easy to clean with no areas to harbour potentially damaging infection. In critical care where children's immune systems are more challenged and there are more invasive procedures to aid in the child's care as well as the risk of contact transmission, all these factors can potentially expose the child to a higher risk of infections.

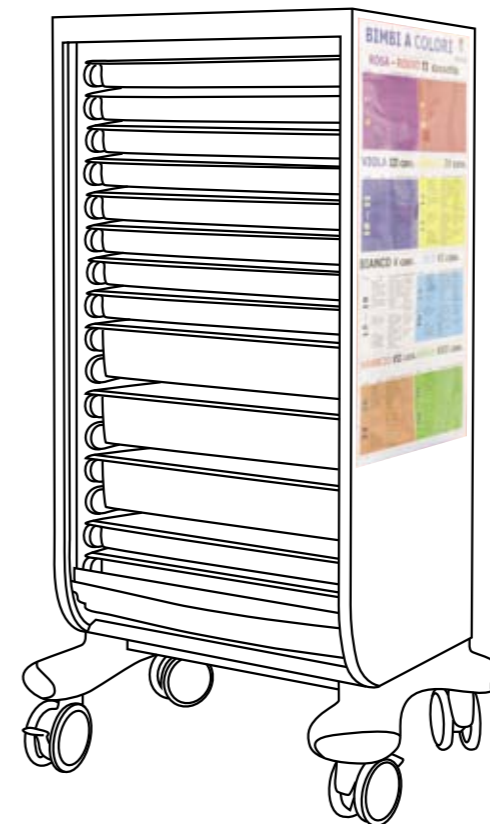


Access to these children whilst in intensive care is of maximum importance, the need for 360 degree access whilst the patient is ventilated and on other clinical support is a fundamental step in reducing risks to the child, the need for clear head, side and foot access needs to be addressed in critical care platform solutions.



These children can often be impossible to move by hand due to haemodynamic instability, but during their care it is extremely important to be able to move them for physiological circulation and respiratory needs.

Many critically ill children require to be in a sitting position with legs raised to help venous return, similarly a child with a head injury and unstable intracranial pressure will be nursed at 10 degrees of head elevation whilst a child with respiratory needs will be nursed as high as 30 degrees of head elevation. The need therefore of having a fully mobile yet flexible sleep deck is paramount in the care of these critically ill patients.



The critical condition and therefore reduced ability to move these patients creates other challenges, critically ill children have a range of medication administered carefully depending on their body weight. without the ability to weigh the child on the bed creates real challenges in ensuring drug dosage is correct. For these sick children the need for weighing is critical, often critical drugs dosages are based on patient weight, in the absence of a weighing device on the bed it often means moving and handling the child periodically to weigh them – this increases the risk of injury to patient and care staff.

A child who needs to be X-rayed, yet is too unstable to move creates some real concern and challenge for the medical teams.

Favero proudly present the Horizon 400, intensive care cot – this cot will provide a safe and clean environment in which to nurse any sick child, its unique range

of features enable it to adapt to any critical clinical challenge, to help provide the best possible outcomes for the patient.

4 section electrically operated platform

Electric Trendelenburg and reverse Trendelenburg

Electric height adjustable

Radiolucent sleep deck

IPX6 rating: all electric actuators are washable and will not allow ingress of water.

Siderail designed for easy cleaning, and visibility.



Removable head and footboard that give a 360 degree access.

Base Frame construction, double castors and safe brake system.

Transport tray under the frame for O₂ cylinder holders, clothes, toys, medical stuff.

Weigh Scale device inserted on the cot (available on demand)

Battery back up: in the event of power failure a battery back-up facility use allows to move the bed.

Easy and intuitive control panel

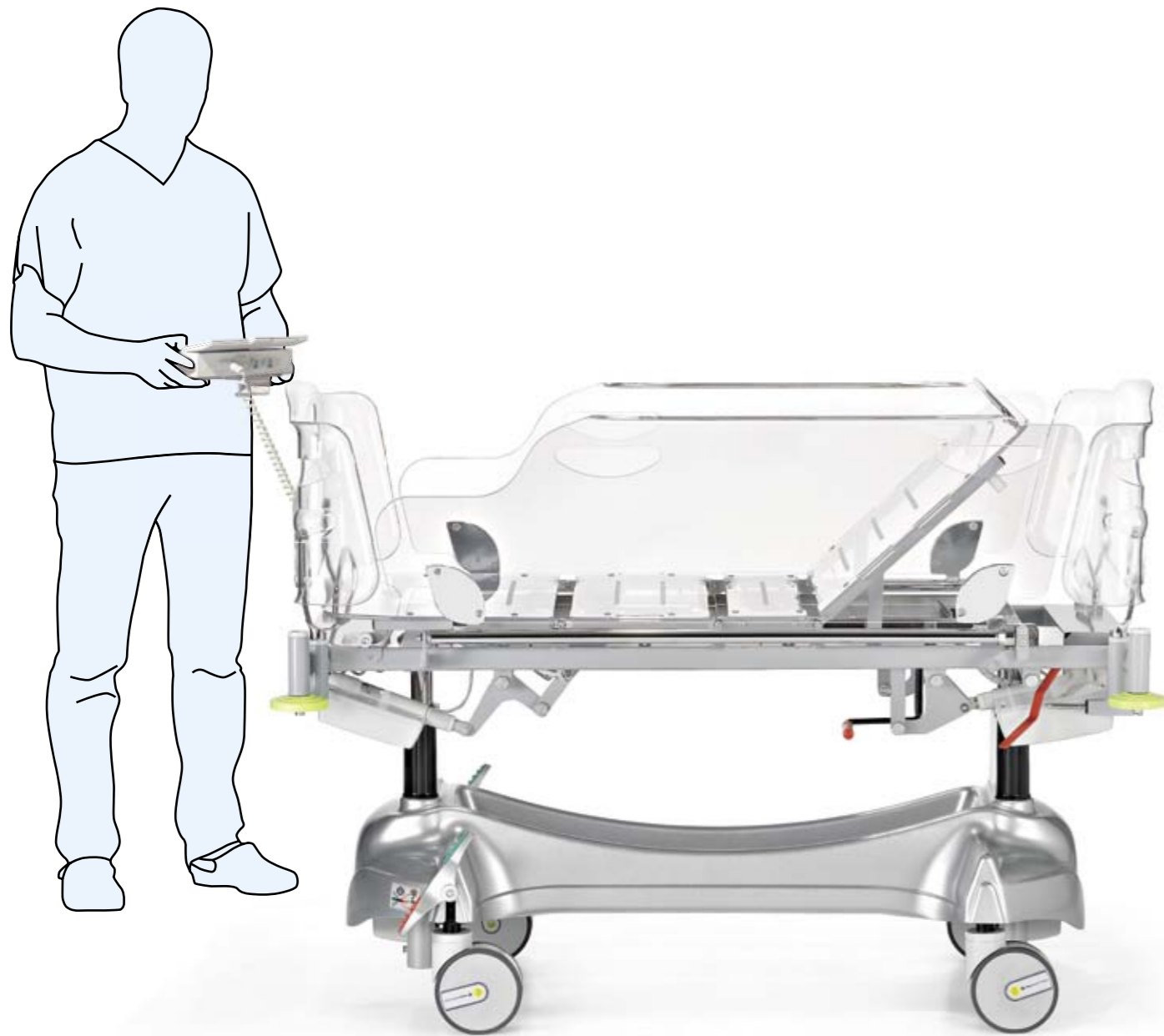
Lock outs: for safety of the child and family all functions can be locked out easily.

CPR handle in red colour.

Head and footboard panels with ergonomic push handles and 4 corner bumpers.

This easy to operate function is a one touch button enabling a quick and easy head up position for the child, the head up position is variable and offers a more comfortable and safe position whilst in intensive care. In patients with respiratory failure or distress, sitting up not only affects comfort but also increases residual capacity in the lungs by up to 30%. The European ICU guidelines suggest 30 degrees of head elevation is best and is easily achieved with this product. In addition to a head up position this product will also provide

a knee bend that will help to maintain the patients' position and in some cases help with venous return. This fully electric function makes this an easy and safe operation to perform for the care giver, minimising the need for any manual handling of the child and still achieving a good position easily safely and efficiently. In children who are very sick, the "hands off" repositioning is beneficial to prevent stress.



This intuitive and easy to use control panel is situated at the base of the cot, it allows head up, Trendelenburg, reverse Trendelenburg, height adjustment and legs up by use of easy to understand controls, it also has a 2 button action which will prevent accidental movements of any part of the cot.



Electrically operated Trendelenburg and reverse Trendelenburg, offers great flexibility in both patient positioning and patient care. A 12 degree angle can be achieved by the touch of a button. A head up position in children can aid in getting a good sitting position, it can aid in postural lung drainage, or can be used to



improve general lung capacity, in the event where a child is being sick the head up position can be selected quickly and easily to prevent aspiration, and a head down can be quickly achieved in the event of an emergency. For safety these controls can be locked out by the carer.



The entire platform is fully height adjustable from 640mm to 870mm at the touch of a button, this allows the safest position to be chosen for the child's care needs and the side rails moving with the platform enhance safety in all height positions.



In the critical care arena the height chosen can hugely benefit the carer to ensure they carry out nursing procedures with a straight back, and are not stooped over the cot at any time – thus reducing the risk of back injury.

A sick child's condition can change in an instant, visual observation and assessment of the child is a key part of the clinical team's priorities. This unique side-rail design allows complete visibility and observation of the child whilst they are nursed in the cot and whilst the side rails are in the up position. In addition Plexiglas, unlike conventional side rails are extremely easy and quick to clean. They can be wiped down quickly and any fluid spills are not hidden, but easily seen. The sturdy design of the undercarriage offers stability, whilst ensuring safe mobilisation of the cot and child, its construction is neat and completely covered with one plastic piece that is fully accessible for cleaning.

In ICU environments it is critical for an anaesthetist to gain head access for intubation purposes, the removable head and foot boards allow the access required, in addition the lowering of the side rails creates a unique platform with complete 360 degree access to the child, this is critical in preventing accidents with ventilators or lines and therefore ensuring safety of the child at all times.



Taking care of a critically ill child is one of the most draining and challenging tasks a nurse can face. Beyond handling the physical challenges and medical needs, they have to deal with the emotional needs the child may have and the emotional impact that the prolonged illness can have on the family. A sick child's condition can change in an instant, visual observation and assessment of the child is a key part of the clinical team's priorities, to ensure appropriate action is taken at the right time.

In addition a child under observation following surgery, or the observing of an unconscious child, entails a constant watch on the child's clinical condition, the addition of monitors, IV infusions, infusion pumps and other necessary medical equipment can sometimes restrict direct visual observation of the child. The visibility created by this 360 degree Plexiglas design allows visual observation from every angle of the clinical environment; ensuring clinical staff has full uninterrupted visibility of the child at all times.



Allowing easy and "hands off" x-ray procedures in these sick children – with an easy to access X-ray cassette that can be easily centred - it ensures safety for the patient and his carer with no need to move or handle the patient to carry out this procedure.



There is a CPR handle at the head section, it is red in colour and visibly obvious; use of this action releases the head section to gain a flat support for resuscitation.



Standard pull-out bar 25x10mm at head end. On this bar can be fixed ECMO support bar.



The cot has 4 corner bumpers located at each corner which ensures a safe environment for the child whilst being transported. Should the product accidentally hit the wall, the shock will be taken by the round bumpers and minimise the impact on the sick child.



Under the frame of the cot there is a transport tray for storing O₂ cylinder holders, medical notes, clothes or toys. This easy to access tray helps to keep all items together during storage.



The base frame is constructed with steel columns, and is mounted on 4 swivel double castors. The double castors and lightweight frame ensures no risk during moving, the central braking system ensures maximum safety.

Children are a vulnerable group who have an increased susceptibility to infection. Infection prevention therefore has a particularly important role in paediatric hospitals and must take into account the needs and environment of the paediatric patient. Children are susceptible to infections that are prevented in older patients by vaccination or previous natural exposure. Consequently, the nosocomial pathogens and most common health-care-associated infection sites in children differ from those observed among adults.

The immunological naivety of young children, especially neonates, translates into an enhanced susceptibility to many infections with important health consequences as well as higher rates and longer duration illness. In particular children are at risk of serious infections such as respiratory virus infections, rotavirus (severe diarrhoea) and pertussis (Cough) represent persistent challenges in children's hospitals. In the main these infections are carried through contact or droplet transmission.

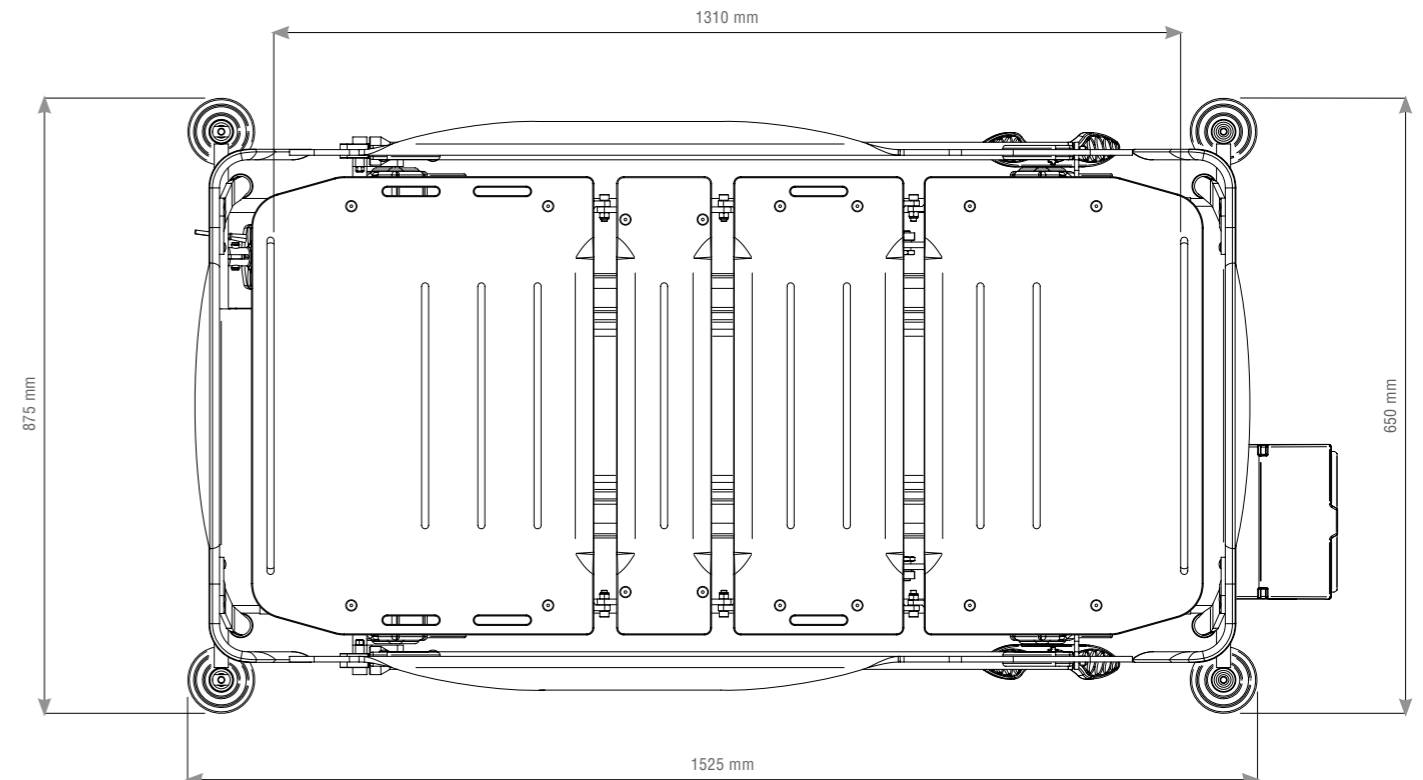
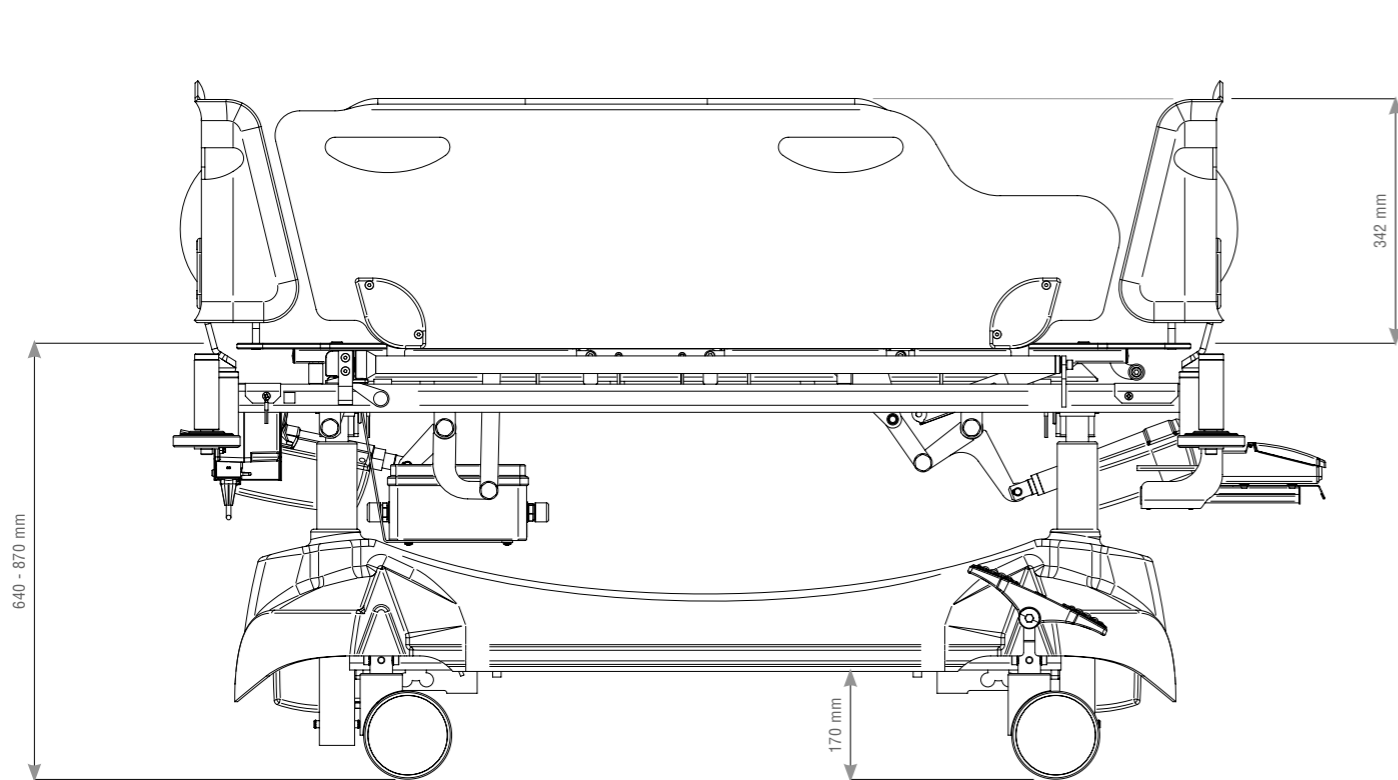
In the ICU area there is greater risk of infections, children are more vulnerable and susceptible to infection and many people get involved in the care - and usually more invasive treatments are used - all this add to the risk of hospital acquired infection. With this in mind this cot is IPX6 rating meaning all electric actuators are washable and will not allow ingress of water.

The removal of the head and footboards allows direct access to the platform easily for cleaning. The single piece plastic parts ensure a safe easy to clean surface, that can be wiped down quickly and effectively to prevent cross contamination of patients.



This unique side-rail design allows complete visibility and observation of the child whilst they are nursed in the cot. In addition Plexiglas, unlike conventional side rails are extremely easy and quick to clean. They can be wiped down quickly and any fluid spills are not hidden, but easily seen, and can be quickly and easily removed to ensure the clinical environment for the child is cleaner and therefore safer.





TECHNICAL DATA	
Mattress maximum dimensions	1280 x 650 mm
Mattress maximum height	60 mm
Platform dimensions	1310 x 650 mm
Maximum overall dimensions	1525 x 875 mm
Platform height adjustment (type)	Electric
Platform height adjustment (range)	640 - 870 mm
Back Section inclination (type)	Electric
Back Section inclination (range)	70° (+ 2,0° ; - 0,0°)
Upper leg Section inclination (type)	Electric
Upper leg Section inclination (range)	23° (+ 2,0° ; - 0,0°)
Trendelenburg movement	Max 12.5° (± 0,5°)
Reverse Trendelenburg movement	Max 12.5° (± 0,5°)
Side rail height above platform	342 mm
Patient weight	70 kg
Safe Working Load (SWL)	90 kg
Castor diameter	150 mm

CONFORMITY
Directive 93/42/EEC modified in accordance with Directive 2007/47/EC
Device classification : Class I
PARTIALLY APPLIED STANDARDS
UNI CEI EN 60601-1
UNI CEI EN 60601-1-2
UNI CEI EN 60601-2-38
UNI CEI EN 980
UNI EN 1041
ACCESSORIES
Standard Mattress for ICU paediatric bed
Viscoelastic Mattress for ICU paediatric bed suggested for patient up to 15 kg
Viscoelastic Mattress for ICU paediatric bed suggested for patient from 15 kg up to 45 kg
X-Ray Cassette Holder
Standard pull-out bar 25x10mm at head end
ECMO support bar

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|---|---|--|
| 0. Sistema Modulare Zerofire®
<i>Zerofire® Modular System</i> | 42. Poltrone prelievi
<i>Specimen-collection chairs</i> | 61. Carrelli Baydur
<i>Baydur carts</i> |
| 6. Degenza 3002
<i>General hospital bed 3002</i> | 43. Sedute e tavoli
<i>Sedute e tavoli</i> | 64. CarLo Carrelli Logistica
<i>CarLo Logistics carts</i> |
| 7. Letti a colonna
<i>Column-mounted beds</i> | 44. Sedute mediche e dentistiche
<i>Medical and dental chairs</i> | 68. CartEsio Carrelli
<i>CartEsio Carts</i> |
| 9. Accessori letti
<i>Bed accessories</i> | 48. Sherpa barella multifunzione
<i>Sherpa multipurpose stretcher</i> | 70. Over-tour carrello monoscocca multifunzione
<i>Over-tour multipurpose cart</i> |
| 10. Comodini - Tavoli servitori
<i>Bedside cabinets - Overbed tables</i> | 49. Ambulatori specialistici
<i>Consulting clinics</i> | 72. Fasciatoi - Culle e lettini
<i>Nappy changing units - Cradles and cots</i> |
| 11. Letti ad altezza variabile Wing
<i>Adjustable height beds Wing</i> | 50. Ambulatori
<i>Consulting rooms</i> | 74. Lettino pediatrico Horizon 200
<i>Horizon 200 Paediatric cot</i> |
| 12. Letti a colonna Entasis
<i>Column-mounted beds Entasis</i> | 51. Lettini visita H.V.
<i>Ht. Adj. Examination tables</i> | 81. Uffici
<i>Offices</i> |
| 14. Comodini Tender
<i>Bedside cabinets Tender</i> | 52. Letto rianimazione con pesatura
<i>ICU bed with weighing device</i> | 90. Arredi per residenze sanitarie
<i>Health care residences furniture</i> |
| * 15. Lettini visita First
Catalogo provvisorio | 54. Barelle
<i>Stretchers</i> | 91. SenecA: Letti ad altezza variabile elettrica
<i>SenecA: Electric height-adjustable beds</i> |
| 19. Praxis XE
<i>Praxis XE</i> | 55. Letto pediatrico Horizon 400
<i>Horizon 400 Paediatric bed</i> | |
| 20. Praxis
<i>Praxis</i> | 56. Letto rianimazione elettrico
<i>Electrically operated intensive care bed</i> | |
| 21. Armadi degenza
<i>Patient lockers</i> | 57. Letto rianimazione
<i>Intensive care bed</i> | |
| 22. Armadi porta medicinali
<i>Medicine Cabinets</i> | 58. Barelle rianimazione
<i>Resuscitation stretchers</i> | |
| 26. Cucinette piano
<i>Floor kitchenettes</i> | 59. Barella emergenza
<i>Emergency stretcher</i> | |
| 41. Poltrone medicali
<i>Medical chairs</i> | 60. Carrelli ed elementi multifunzione
<i>Multipurpose carts and units</i> | |

Certified Quality System



IMQ ISO 13485

Certificato n. 9124.FHPR

Certified Management System



ICILA ISO 9001 - ISO 14001

La ditta si riserva di apportare
quelle modifiche tecniche ed estetiche
che ritiene più opportune,
anche senza preavviso.

*The firm reserves the right to make
any technical and aesthetic
changes it deems necessary,
without prior notice.*