BIOMATRIX
PRODOTTI MEDICALI

PRODUCTS AND EXPERTISE FOR DISTRIBUTORS AND HEALTHCARE OPERATORS



Neonatology and Pediatrics

www.biomatrix.it

Authorised retailer



Index

Newborn positioning aids 6

Newborn Phototherapy 14

Neonatal intensive care unit 16

Pediatrics 20

BCODE

Scan the **QR code** to discover all the information about this category.

Complete and specific line dedicated to the youngest patients



A selection of essential products to make neonatology department efficient with the utmost attention to details to guarantee the best results for newborn patients and functionality for operators.

Our line of products for neonatology and pediatrics has been designed with the aim of guaranteeing maximum well-being and safety for the youngest patients and allowing operators high standards of effectiveness and efficiency.

Our devices ensure the maintenance of ideal postures, based on different ages and well-being conditions. They are made with safe and top-quality materials, they are easy to use and they are designed to meet the most specific surgical needs of the operating room, intensive care and/or hospital departments.



Newborn positioning aids

Designed for premature and/or sick newborns, capable of recreating the fetal position, ensuring a comfortable, welcoming and soft environment during medical care

Baby Flex

CTBB214 S – M

A foldable bumper support (thanks to its flexible internal structure) that, due to its elasticity, perfectly adapts to the required neonatal shape and positioning. Available in two different sizes, it is made of expanded polyurethane and covered with a breathable bi-elastic polyurethane cover. The outer cover (CTBB214SC, CTBB214MC), fully removable, is made of soft and comfortable fabric and is machine washable.

CTBB214S : 80 cm
CTBB214M : 90cm





Baby Flex with microspheres

CTBB214XS

A foldable bumper support made of polypropylene microspheres, covered with a double layer of breathable bi-elastic polyurethane. It adapts perfectly to the required neonatal shape and positioning. Also suitable for use in the operating room.





CTBB214XS :	cm 70 Ø 8
CTBB214XS1 :	cm 120 Ø 10
CTBB214XS2 :	cm 120 Ø 12





Baby Prone

CTBB215

Baby Prone is a neonatal prone positioning aid. The four positioners in the range have an hourglass shape that, through the natural effect of gravity, supports prone positioning of the newborn, allowing shoulder rounding and head-to-trunk alignment. Baby Prone is available in four sizes, made of polyurethane covered with a waterproof PU film and a soft, fully removable and machine-washable cover.

- **CTBB215S**: 9 cm / 8,5 cm x H 18,5 cm
- **CTBB215M**: 12 cm / 11 cm x H 20 cm
- **CTBB215L**: 13 cm / 12 cm x H 23 cm
- **CTBB215XL**: 14 cm / 13 cm x H 26,5 cm



Baby Nest

CTBB213

Baby Nest is a positioning aid for premature and/or ill newborns, designed to reproduce the positioning of the baby in the womb, ensuring a comfortable, welcoming, and soft environment during medical care. By replicating the fetal position, the newborn can be placed in Baby Nest in different positions: supine, lateral, and prone. It is equipped with a padded footrest, fastening straps, and a practical rear pocket that can also accommodate, upon request, a soft memory foam mattress (accessory – CTBB213X-E). The newborn assumes a comfortable position even during transfer. Baby Nest is easy and intuitive to use, made of soft and comfortable fabric and machine washable.



Baby Nest can be integrated with Baby Flex and/or Baby Prone aids.

- **CTBB213XS** : 40 cm x 20 cm (less than 900gr)
- **CTBB213S** : 45 cm x 23,5 cm (800 e 1300gr)
- **CTBB213M**: 45 cm x 26,5 cm (1300 e 2250gr)
- **CTBB213L**: 50 cm x 27 cm (over a 2250gr)

Newborn Positioning

This line of products for neonatology has been designed to accommodate and contain newborns, especially premature ones.

The LATERAL, PRONE and/or SUPINE positioning guarantees them maximum comfort, promoting relaxation and sleep thanks to the reproduction of a warm nest that helps their development through the assumption of a correct, stable and firm posture.

Prone Position







Supine Position









Newborn positioning systems can be easily integrated with various protective devices for Phototherapy

Lateral Lying Position







Phototherapy







Newborn Positioning

This line of products for neonatology has been designed to accommodate and contain newborns, especially premature ones.



Baby Nest Disposable

CTBB216

Baby Nest is also available in a disposable version: in four sizes (XS, S, M, L), made of soft padded fabric and non-woven TNT material.

Baby Moon

CTBB217

A versatile crescent-shaped support made of polypropylene microspheres and covered with a breathable bi-elastic polyurethane cover. It is used for various neonatal positioning needs: under the head, neck, hips, or limbs. Its structure easily adapts to the required shape and position, allowing height adjustment, additional stability, and proper containment.



CTBB217 + CTBB217CD with disposable cover
CTBB217 + CTBB217CB with reusable cover



Baby Pod

CTBB218–CTBB219

Baby Pod is a positioning device designed to replicate the baby's position in the womb, ensuring a comfortable environment and fetal-like positioning.

It provides 360° containment thanks to a high-performance stretch fabric, allowing the newborn to move and stretch and then naturally return to a contained, flexed, midline position.

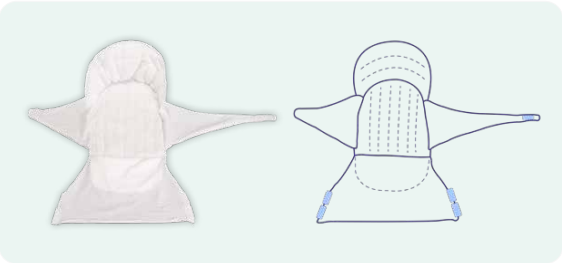
This freedom of movement within elastic containment plays an essential role in early nervous system development, providing continuous proprioceptive input that supports muscle learning and gives the brain sensory feedback about limb position and movement.

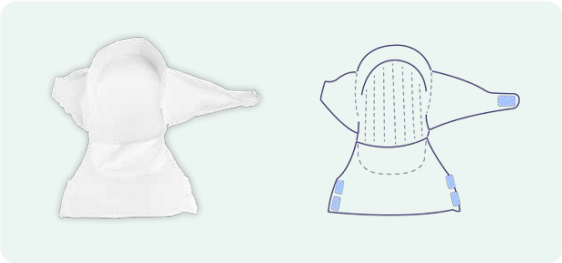
The design includes a padded headrest, a pocket, and two lateral wings that provide circumferential containment similar to the intrauterine environment: the longer wing is secured posteriorly to promote shoulder flexion and keep the hands close to the face.

Baby Pod is available in three sizes, both in a reusable machine-washable version (CTBB218) and a disposable version (CTBB219).









CTBB218XS: Neonatal padded positioner with wrap containment sections XS-size

CTBB218S: Neonatal padded positioner with wrap containment sections S-size

CTBB218M: Neonatal padded positioner with wrap containment sections M-size

CTBB219XS: Neonatal disposable positioner with wrap containment sections XS-size

CTBB219S: Neonatal disposable positioner with wrap containment sections S-size

CTBB219M: Neonatal disposable positioner with wrap containment sections M-size

CTBB219L: Neonatal disposable positioner with wrap containment sections L-size

Baby Wrap

CTBB220

The device provides the newborn with freedom of movement and a natural return to midline flexion thanks to a high-performance fabric with three-way elasticity.

Its structure securely maintains flexion of the lower limbs, while the wide wings support shoulder flexion, promoting self-regulatory behaviors such as hand-to-mouth contact.

Made of a breathable and moisture-wicking material, the device is ideal for irritable newborns or those with neonatal abstinence syndrome (NAS), as it does not retain body heat and is also suitable for use in warm and humid environments.

Strategically placed openings between the pouch and the wings allow access and management of lines and tubing without compromising containment.

This postural stability also supports feeding, keeping the newborn well organized and facilitating the observation of breathing, sucking, and swallowing thanks to the lightweight fabric that leaves the head and neck clearly visible.

The device supports the infant during daily care, procedures, and diaper changes, while also helping to increase parents' confidence in handling and interacting with their newborn.

Available in a wide range of sizes, it is intended for use throughout the entire hospital stay, both in the Neonatal Intensive Care Unit (NICU) and in the well-baby nursery.





Newborn Phototherapy

Eye protectors are phototherapy devices indicated to prevent potential damage caused by phototherapy in newborn and/or pediatric patients.

The device has been designed to protect the eye in its ideal shape, covering patient's face gently and effectively, screening 100% and protecting from UV rays up to 450 Nm. Extremely easy to use, the device has a comfortable design that easily molds to the patient's nape and is extremely safe thanks to the eye/nape connection straps.

The cotton fabric also absorbs sweat and does not cause irritation in the case of prolonged use. The product is intended for single-patient use.



Phototherapy eye protector with rear support

- CTBB208S
- CTBB208M
- CTBB208L



Phototherapy eye protector with overhead support

- CTBB209S
- CTBB209M
- CTBB209L





Phototherapy eye protector

with nape support

Technical data

CTBB207L:
eye cm 6.5 nape cm 35–41

CTBB207M:
eye cm 4 nape cm 36–40

CTBB207S:
eye cm 3.5 nape cm 28–35

Box: 50 units/box

- CTBB207





Phototherapy eye protector

"Y" shape

- CTBB210S
- CTBB210M
- CTBB210L



Ideal for: Intensive Care Unit

Neonatal intensive care unit

Neonatal Intensive Care is the main department for the application of the light restraint aids here proposed.

Since we are dealing with newborn patients, the attention paid to the choice of materials and the care into the creation of these supports become our commitment. The inside of the wrist supports and the supports for intravenous therapy is made entirely of 100% cotton, suitable for the extremely sensitive skin of newborns. The function of these basic restraints is to prevent newborns undergoing therapy from sudden movements or accidental removal of the tubes necessary for the administration of treatment.





Neonatal wrist/ankle support

CTBL210VN.

Wrist/ankle support to be used any situation where there is a need for medium and safe restraint, avoiding sudden movements. Equipped with a soft pad with long fastening straps, it is made of 100% cotton inside and Velours outside, it is breathable, it prevents skin irritation, overheating, humidity and maceration. The anatomical design ensures perfect alignment with the limb. Single-patient usage.

Technical data

Dimension: 14×4 cm / straps 2× 65×5

Box: 60 units/box

Pulse oximeter probe wraps support

CTBB205

Neonatal probe supports replace tape when securing all models of flexible optical transducers or sensor probes. The supports hold the sensor securely to prevent misalignment when using optical components, while blocking excessive ambient light. The soft foam support does not stick to the skin, allowing for easy application or removal and helps preserve delicate skin. The universal design allows for use on a neonatal foot as well as an infant toe, pediatric toe or adult toe.

Technical data:

Dimension: ONE SIZE cm 14×3

Disposal Product : 100 units/box

Ideal in: Intensive Care





Newborn intravenous therapy armboard

CTBB206

Designed to immobilize and protect venipuncture sites, this device is used in both intensive care units and general hospital wards. It supports intravenous (IV) therapy tubing, helping to prevent sudden movement or accidental dislodgement by the patient.
It provides excellent comfort and ease of use during IV cannula therapy. The device is designed to help prevent wrist flexion, offers soft and comfortable support for both the arms and legs, and is malleable for use on either the wrist or the ankle. A version with an internal aluminum core is also available (CTBB206A), which is MRI-compatible and comes in sizes XS, S, M, and L. The devices are single-patient use and non-sterile.

Technical data

CTBB206L: 25X 8 CM

CTBB206M: 17X6 CM

CTBB206S: 15X6 CM

CTBB206XS: 10X4 CM

Individually packaged in a clear envelope:
Box of 50



Tracheostomy tube holder

CTBB212 S-M- L

It stabilizes the tracheal tube safely and keeps it in place; easy to use and practical, it is made of skin color so as not to attract attention. It is made of 3 different materials laminated together by 4 mm; the surface in contact with the skin is made of cotton and the upper part is made of feathered jersey. It gently covers the neck, the surface in contact with the skin absorbs sweat with its cotton fabric. In case of long-term use it does not cause any allergies and irritation. Available in sizes for newborns, children and adults

We must remember that a support that is not fastened may reduce the therapeutic effectiveness of the product, while a support that is fastened too tightly can negatively affect blood circulation.



Newborn

Hat

CTBB211



Designed to protect the baby's head during the first days of life. It is made of a comfortable, safe and soft double-layer material for the delicate scalp of babies, ensuring a pleasant experience and maintaining an adequate temperature for better thermal insulation. Disposable, universal design.

Technical data

Material: 100% cotone – Latex free

Dimension: ONE SIZE 17×7 cm (disposable)

Box: 100 units/box



Ideal in: Intensive Care





Mother- Infant
wristband id bracelets

MN011106

Mother-Infant identification bracelets with a special card that can be applied with all patient data.

Materials

Snap: Polyoxymethylene (POM)

Band: PVC

Dimension

Mother bracelet:
24,6 cm x 1,2/2.3

Child bracelet:
14,8 cm x 1,2/1,7

Pediatrics

A selection of medical devices designed for use in pediatric surgery and hospital settings

Pediatric thorax
prone positioner

SO03800S

Its "h" shaped structure allows a uniform distribution of weight and pressure. Made of polyurethane foam, it is covered with a removable cover in fireproof skay.

Technical data

Dimension: cm 80X46X10



SKAY
FIREPROOF COVER

Operating table gel
pads for O.R.

SO01837A.

SO01837B.



They protect the entire surface of the operating table and they are recommended for any required Position. The gel pads are soft, comfortable and versatile. They distribute the weight of the pediatric. Patient uniformly over the entire surface.

Technical data

SO01837A. : 23X50X1 CM

SO01837B. : 99X50X1 CM



Pu mattress for pediatric bed

MA005L

Made of high density self-extinguishing polyurethane foam, this mattress thanks to its excellent air permeability guarantees advantageous breathability of the pediatric patient's skin.



Technical data

Dimension: cm 144X63X10

Pu pillow with anti-suffocation holes

PG02500FP

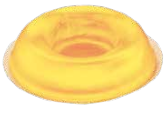
Anti-suffocation pillow for the safety of the child, made with a micro-perforated polyurethane foam structure, breathable and delicate on the skin.



Technical data

Dimension: cm 40X60X3

Gel pad positioners for O.R.



SO01800S.

Closed ring for head

CM 9X4X2



SO01801S.

Open ring for head

CM 9X4X2



SO01802S.

Horseshoe ring for head

CM 9X4X2

Note

BIOMATRIX
PRODOTTI MEDICALI



BIOMATRIX
PRODOTTI MEDICALI

20 BIOMATRIX
PRODOTTI MEDICALI

Quartiere Longo, 19 • 29010
Castelvetro Piacentino (PC) Italy
Tel. 0523.826619 • e-mail: info@biomatrix.it

All right reserved. Changes may be made without prior notice.
BioMatrix S.r.l has not to be considered responsible for damages
esulting from the lack or inaccuracy of the information reported here.

www.biomatrix.it