



Natural Birthing with AVE 2 eBook

AVE 2 BIRTHING BED



reddot design award





Freedom to move with AVE 2

Freedom to move, freedom to change position and freedom to birth naturally.

The AVE 2 birth bed has been designed by midwives, for midwives, and built holistically with a focus on comfort for the mother, as well as every care and support individual in the birthing room. The AVE 2 is designed to provide maximum comfort for the mother but also to support the midwife during each phase of labour.

Comfort is a holistic basic human need and is pivotal in supporting a healthy birth. Mothers need to move freely and feel comfortable during child birth benefit outcomes for all (De Jonge and Lagro-Janssen, 2004). Independent studies have proven that the choice of position of active birthing mothers varied greatly, and with this the experience of pain varies in relation to the type of position. There is no one position that suits all

An overwhelming amount of studies conclude that having the freedom of movement is pivotal to comfort, this includes the freedom to ambulate, rock, or change position, in turn this enables the birthing woman to find a position of comfort that best suits her (Schuiling, Sampselle, and Kolcaba, 2011).

De Jonge and Lagro-Janssen (2004) state that midwives should empower women to find labour positions that are most suitable for them, by giving practical advice during pregnancy and birth. To support this, midwives should have access to the very best equipment within the birthing environment.

The AVE 2 aims to provide peace of mind to the support person and whānau of the mother and new baby. Each and every feature has been carefully considered as part of the birthing journey, developed by leading global hospital bed manufacturer LINET alongside world leading obstetric physicians. This bed was designed to meet the demand for a birthing bed that promotes natural labour, with growing concern over the rise of caesarean section rates (WHO, 2021). According to the World Health Organisation, quality, women-centred care is needed to address this high use of caesarean section. LINET products deal with the safety and comfort of patients, serve staff and help with the management of hospitals and birthing facilities.

Innovation

All products excel due to their top technological standard, the latest functions, unique solutions, timeless design and quality workmanship.

Design

An elegant and timeless design is a characteristic of LINET® brand products. Development centres in Germany, the Czech Republic and Great Britain bring further unique solutions. Winner of the prestigious red dot design award.

Safety

All LINET® products rank among the safest in the world. They undergo demanding tests in a simulated clinical environment, laboratory tests and independent certification.

Quality

LINET® meets ISO 9001, ISO 13485 and ISO 14001 certification.

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Freedom at every phase

AVE 2 has been designed for each birthing phase; from early birth to progress to post-partum recovery, so women during or giving birth and their whānau, can feel comfortable and supported.

Extra low 600 mm height adjustment gives additional assurance to woman in labour accessing the bed and helps to enable birth exercises.

Birthing mothers can freely choose any position during active birth phase.

Maximum height 1050 mm for perfect position during perineal repair.

Comfortable sleeping matters during recovery phase. With additional and proper accessories the bed can be used also for post-partum period.

Independent Seat Tilting

The unique oval shape allows for better perineal repair and care, the bed fits closely with the midwife and the mother providing the right amount of space minimising transfer gaps.

Side rails with control panel easily integrated and hideable when transferring mothers from one bed to another. Silent and easy turning with one hand. No additional space needed beside the bed. It serves as support to help mothers sit up for precious time with their newborn baby (or babies) for skin on skin time.

The firm conception of leg rests enables the care team to respond very quickly and effectively to different situations which may occur during the delivery.

Retractable Foot Section

A simple one-handed swivel mechanism not only allows the section to quickly rotate away from the patient, but it also eliminates the need of lifting a heavy foot section off of the bed. Providing quick access to the mother. The swivel foot section also enhances midwife safety and infection control due to the fact that it never detaches from the bed.



Case Study: Birthing with freedom

WHO recommends c-sections are at 15% and the USA has double this number. With a lot of pressure to bring down the number of caesarian sections. It is understood that c-section births can lead to complications and natural birth is promoted for better outcomes. Facilitating care with the right equipment that supports an optimal birthing methods and best suits the birthing mothers.

Jennifer Waters, Director of Women Services, Mountainside Medical Center USA, says she encourages women in birth to get up and move if they are not having an epidural. "Our goal is to always have a health mum and a healthy baby so we all know that c-section is a major surgery." Mountainside Medical Centre is a 365-bed hospital facility in New York, USA, with a range of healthcare services available.

There have been very few innovations in birthing beds, which led the Ave 2 manufacturer Linet to develop this world-leading bed alongside the needs of obstetric clinicians.

"It is very easy to get patients into multiple positions without having to get them to physically move", explains Jennifer Waters whose team uses the Ave 2 bed on the Mountainside birthing ward. "When the patient needs an epidural there are more ways to move the patient," Jennifer explains further. This is hugely beneficial as the epidural results in less mobility for birthing mothers and is designed to make it easier to care for the mother.

The Ave 2 has been widely used across Europe and America and is becoming increasingly popular in Australia. You can watch the full video interview online here:

https://www.youtube.com/watch?v=laFSD_ocP3A&t=190s

If you would like to trial the bed for your own observations, Active Healthcare is able to provide a trial bed for a period of time as well as training and support.



Movement equals comfort



Empowering midwives and mothers with the freedom to move



Freedom of control for midwives

Simple Control

Integrated control panel with clear pictograms and symbols for woman in labour and birth care staff. Nurses control locking of controlling movements.

Controls enabled:

1. High and Tilt Adjustment
2. Trendelenburg Position
3. Lockout Control
4. Under Bed Light (optional)
5. Nurse Call (optional)



Siderails

Side rails with control panel easily integrated and hideable when transferring mothers from one bed to another. Silent and easy turning with one hand. No additional space needed beside the bed. It serves as support to help mothers sit up.



Technical Specifications

AVE 2 Birthing Bed

The AVE 2 birthing bed brings expectant mothers maximum safety and comfort as well as the freedom to change birthing positions.

Exceptional design combined with extraordinary functionality, AVE 2 is suitable for birthing, delivery, recovery and post-partum childbirth phases.

Features & Benefits

> Simple Control

Integrated control panel with clear pictograms and symbols for woman in labour and nursing staff.

1. High and Tilt Adjustment
2. Trendelenburg Position
3. Lockout Control
4. Under Bed Light (optional)
5. Nurse Call (optional)

> Independent Seat Tilting

Unique oval shape creates space for perineal care and fits closely to the birthing tub minimizing transfer gaps. Independent motorized pelvic tilt allows for better coccyx elevation.

> Side Rails

Side rails with control panel easily integrated and hideable when transferring mothers from one bed to another. Silent and easy turning with one hand. No additional space needed beside the bed. Serve as support to help mothers sit up and be with their new baby.

> Column Concept

Innovative telescopic solution provides extra low height for accessing the bed safely and extra height for treatment.

> Retractable Foot Section

Enabling better access and freedom to move into a crouching position the foot section quickly moves out of the mothers way with a simple swivel.

> Hygiene and Safety

High hygienic standard and compact construction of particular sections of the rest area and the plastic cover of the bed base reduce the time needed for the cleaning the bed.

1. Bacterial static leather
2. Seamless upholstery
3. Compact and separate space
4. Electrostatically painted with epoxy powder coating against corrosion



Specifications

Total length of the lying area	2132mm
Minimum length in the default setting	1570mm
Full width	980mm
Castor size	150mm
Minimum height	600mm
Maximum height	1050mm
Back section	-10°/+70°
Seat section	0°/+18,5°
Trendelenburg position	0°/-10°
Leg rests vertical	0°/+135°
Leg rests horizontal	0°/+60°
Foot section adjustment angle	0°/-22°
Maximum load	240kg
Overall product weight	236kg

References

WHO, 2021, Caesarean section rates continue to rise, amid growing inequalities in access, <https://www.who.int/news/item/16-06-2021-caesarean-section-rates-continue-to-rise-amid-growing-inequalities-in-access>

A. De Jonge & A. L. M. Lagro-Janssen (2004) Birthing positions. A qualitative study into the views of women about various birthing positions, *Journal of Psychosomatic Obstetrics & Gynaecology*, 25:1, 47-55, DOI: 10.1080/01674820410001737432

Schulling, K. D., Sampsel, C., & Kolcaba, K. (2011). Exploring the presence of comfort within the context of childbirth. *Theory for midwifery practice*, 197-214.