



CairMax by Novis – the new range of hybrid pressure surfaces, delivering optimum comfort in the treatment and prevention of pressure injuries.

Combining modern foam technology with multi-zone air cell pressure redistribution – plus the benefit of dynamic support if required – CairMax products offer the latest in foam air combination solutions to suit long term and home care environments.

As specialists in the supply of pressure care and manual transfer equipment solutions designed to help prevent pressure wound and skin integrity issues, Novis support a range of clinical healthcare products designed for hospitals, aged care facilities, rehabilitation providers and the home care community.

With a long history delivering effective pressure care management solutions, we are committed to delivering successful patient outcomes through product innovation, professional collaboration and clinical excellence.

Our product portfolio has been reengineered with the goal of enhancing the comfort and safety of patients; reducing the time and concerns of care staff; and improving clinical outcomes for care facilities.

“ Our goal is to provide customers with a superior choice of specialist products, while actively working to improve the quality of patient care through a program of clinical education ”



Enjoy the Benefits

- Extended buying power and established infrastructure capabilities of an integrated group network.
- Specialised product knowledge and development experience, based on the latest thinking in best clinical practice for the prevention and treatment of pressure injuries.
- Comprehensive service offering – product repairs and service supported by leading warranty programs.
- Clinical expertise and industry leading training programs, including extensive understanding of clinical applications and patient outcomes.



Straightforward Service Solutions

- Factory trained service technicians and specialised equipment.
- Technical Services training for in-house maintenance staff.
- Customisable Preventative Maintenance programs for onsite support.
- Fully stocked spare parts and accessories, with same-day dispatch.

Learn more at [novis.com.au](https://www.novis.com.au)

Hybrid support surfaces are safe to use in various care settings including hospitals, nursing homes or in the patient's own home.

They are ideal for patients with long-term or palliative conditions, offering less delays to patients when their needs change, along with minimal disturbance.

What is a hybrid support surface?

Hybrid support surfaces combine the advantages of high resilience foam (in its ability to absorb and redistribute pressure) and air cells (in their ability to apply and remove pressure) – complementary benefits that combine to deliver a versatile pressure surface. They simplify choice, as one piece of equipment may be suitable across a much broader range of patients. There are essentially two types of hybrid support surfaces: non-powered and powered. These systems are designed to be suitable for a range of pressure injury risk levels and stages of pressure injury.

Non-powered hybrids (CairMax)

Non-powered hybrids work on the principle of air displacement. When a person repositions his or her weight, air moves within the mattress to surrounding cells for optimum pressure redistribution. This allows the mattress to conform to the shape of the person's body, increasing the surface area in contact with the mattress and reducing the patient/support surface interface pressures and self-adjusts to patient movement to maintain a low average interface pressure. This reduces the potential for cell and tissue breakdown.



THE FOAM CORE REDISTRIBUTES AIR,
TRANSFERRING PRESSURE AWAY FROM HIGH-RISK AREAS

Powered hybrids (CairMax Duo)

Powered hybrids also consist of foam and air cells, configured as a series of powered air cells, each having a castellated foam insert. The attachment of a powered control unit can inflate and deflate alternate air cells at regular intervals, actively redistributing interface pressure. With the control unit disconnected, the castellated foam offers passive pressure redistribution by effectively supporting the patient and absorbing the interface pressure over a larger surface area.



WHERE THE FOAM IS ENCASED WITHIN THE AIR CELL, THE MATTRESS IS ABLE TO
PROVIDE ALTERNATING PRESSURE RELIEF IN THE POWERED MODE

The CairMax – a clinically effective foam air surface for pressure injury prevention, requiring no set-up, programming or maintenance.



With a focus on optimum patient comfort, this non-powered, self-adjusting immersion pressure surface evenly distributes pressure across the body. Features a multi-zone system of air cells designed to achieve a lower average interface pressure, particularly on injury prone bony prominences.

CairMax generates no noise or heat, uses no electricity and requires minimal upkeep – making it the low cost, low maintenance choice for lower risk patients.



Self Adjusting

The CairMax mattress reactively adjusts the network of interconnected air cells to the appropriate, therapeutic levels for each patient, in response to changes in patient posture or movement.

The sophisticated multi-zone design delivers equilibrium across all areas, lowering average interface pressure to provide customised pressure reduction.

Safety

The exclusive HeelCair feature redistributes pressure from the heels to the calves – a subtle taper reduces heel pressures while providing complete foot support.

A low shear glide sheet is positioned between the topper layer and the air cells to help reduce shear and maximise pressure redistribution. The fully welded top cover offers optimum infection control properties.

Comfort

The CairMax offers maximum comfort from a static support surface, with 10 laterally arranged air cells with high resilience foam inserts providing the ultimate support. The cover and ultra-pliable topper are designed to conform to the contours of the body, regardless of position and posture, for optimal immersion therapy.

Hassle Free

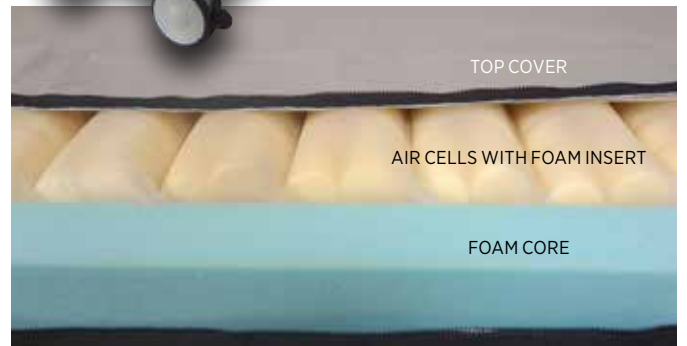
No set-up required. Generates no noise or heat and uses no electricity, making it immune to power interruptions.

All components wipe clean, with top cover machine washable to 95°C for infection control.

The CairMax Duo – a versatile foam air support surface with the ability to alternate between static or dynamic support, in response to the needs of the patient.



With a focus on support and versatility, the mattress functions as a static pressure relieving surface without the control unit, however when clinically required, can 'step up' to provide dynamic support with the control unit connected. This feature is of great advantage when used in the home or in a palliative care environment, to provide maximum flexibility with minimum of disruption.



Versatility

Mattress and control unit can be purchased as a system or separately. Place a CairMax Duo mattress on every bed frame to provide all patients with superior static support – then add a control unit for increased therapy should patient risk factors increase.

The compact control unit can be easily connected for immediate step-up to dynamic therapy when required, with no disruption to patient comfort. The control unit is just as easily removed for a return to static yet comfortable support. No delays to the clinical care needs of patient and no impact on patient comfort or safety.

Safety

No concerns over correct pressure level settings with **AutoCair** automatic weight sensing technology, delivering fail safe patient comfort and support.

With the **AutoCair** feature active, the system adjusts to the appropriate pressure setting based on the patient's weight, reducing the need for carer intervention. Manual adjustments can still be made for individualised therapy or comfort.

Simplicity

This 'plug and play' system is very simple to use and requires minimum training to operate, making it ideal for community or aged care use.

Switching between static and dynamic modes requires minimal effort and cause no disruption to patient comfort. This hybrid feature also significantly reduces operational costs, ensuring the same surface remains suitable across a range of patient conditions.

Comfort

The combination of durable foam core with alternating air cells embedded with castellated foam, delivers comfort and support for patients up to 230 kilograms. The castellated foam articulates when the mattress is profiled to help reduce the potential for shear-related injuries, while static head area foam offers stable support for enhanced sleep.



CairMax

- Non-powered foam air support surface
- Innovative self-adjusting air therapy
- Maximum pressure redistribution through immersion
- No set up; low ongoing maintenance

CAPACITY (SWL)	230 kg
PRESSURE INJURY RISK	At Risk
MODELS	Standard / King Single
WARRANTY	2 year



CairMax Duo

- Step-up, step-down foam air support surface
- Offers static pressure relief and dynamic therapy in one
- Maximum versatility and maximum comfort combined
- 'Plug and play' design for ease of use

CAPACITY (SWL)	230 kg
PRESSURE INJURY RISK	At Risk to High Risk
MODELS	Standard / King Single
WARRANTY	2 year

Speak with one of our Product Specialists, or refer to the Technical Data Sheet for each CairMax model for detailed specifications, measurements and full feature and functionality.