

MORPHEMATIC



Ergotrics

INFLATABLES FOR HEALTHCARE

from



Easy, hygienic & ergonomic lateral positioning in bed



Caregivers often face the demanding task of repositioning bedridden individuals to support hygiene, comfort, and prevent complications like bedsores or respiratory issues. This repetitive work is time-consuming and physically straining—especially for those caring alone.

The Morphematic by Ergotrics simplifies this process, allowing a single caregiver to reposition any bedridden person in under a minute. Using air pressure in tubes rather than fixed angles, it provides smooth, customisable adjustments suited to each patient's needs. Compatible with various mattress sizes, **the system features intuitive controls, a quiet pump, and a memory function for automatic alternating tilts.**

A **CPR deflation mode** ensures emergency readiness, and the **3D pressure-mapped mattress** is washable at 60°C and easy to store. Designed to promote both caregiver ease and patient dignity, the Morphematic is a practical, affordable solution for hospitals, care facilities, and home use.

Benefits for bedridden person and caregiver



REDUCTION OF BACK PAIN FOR CAREGIVER

Reduce physical strain by using **air pump and remote control** instead of manual labor. With the Morphematic at maximum, one can wash and care without lifting or manual handling.



TIME SAVING AND AUTOMATIC

Reposition in less than a minute. Simple and fast. Can possibly be done by residents themselves, or on **time cycles** automatically.



STABLE POSITION WHEN AND AS YOU WISH

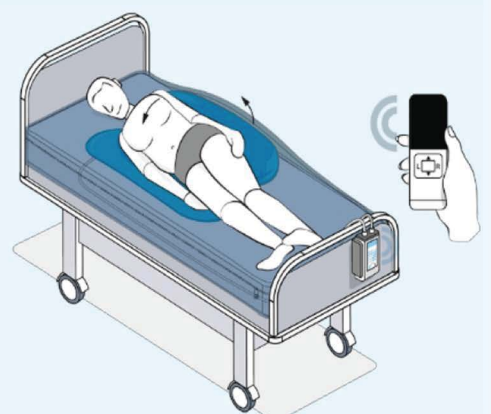
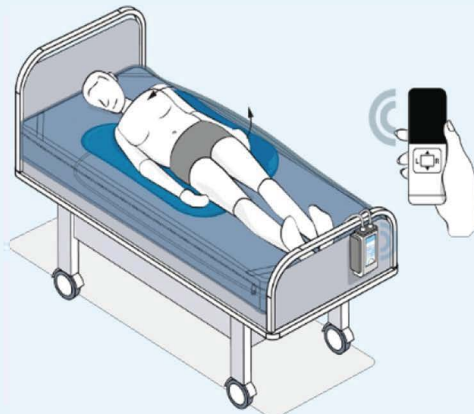
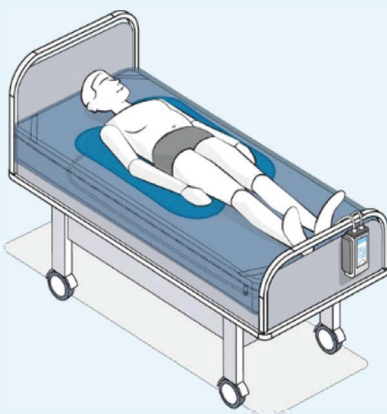
Avoid pillows that slide away. Morphematic offers stable positioning. Both the resident and the caregiver can decide at what angle and how often per day the resident change sides.

Avoid residents sliding. Morphematic offers stable upright sitting in bed.

AWARD WINNER

ERASMUS MC AND YES! DELFT HEALTH & CARE PROGRAM

How to automatically reposition patients.

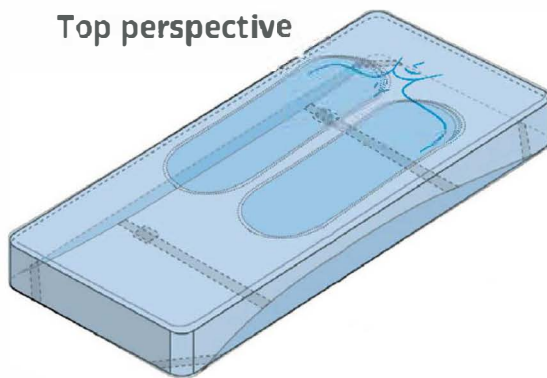


The science behind lateral turning therapy

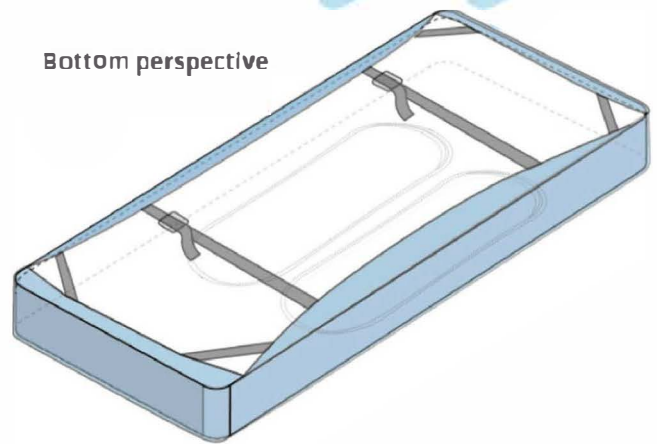
"Routinely positioning patients prophylactically promotes comfort, prevents the formation of pressure ulcers and may reduce the incidence of deep vein thrombosis, pulmonary embolism, atelectasis and pneumonia."

- Hewitt 201

Top perspective



Bottom perspective



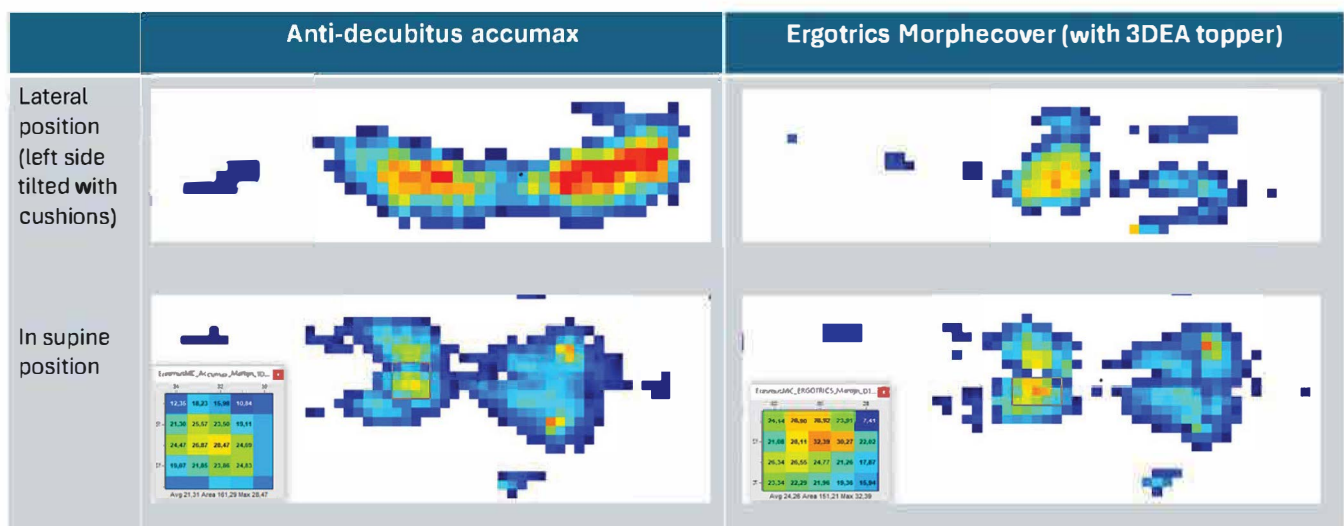
There is no need to switch to a specialist mattress, as the Morphematic is BPM-tested. This approach offers a cost-effective solution. (Images below.)

Unlike other systems, there are no restrictions on angles or tilt elevation. The design is flexible and adaptable to enhance patient comfort, with a maximum tilt of 30°.

Erasmus MC

Pressure point distribution comparison at

Erasmus



Conclusion of both studies: The Ergotrics Morphecover has the same or better pressure distribution properties as the anti-decubitus mattress

LATERAL PATIENT TURNING SYSTEM FOR SINGLE-HANDED CARE OF BEDRIDDEN PEOPLE

The Morphematic is a mattress cover with two alternating **inflatable air compartments** that **automatically tilt** bedridden patients up to 180 kg on the left and right side.

This allows changing position and caring for the patient with just the push of a button.



The Morphematic offers:

- Perfect fit on standard bed and mattress
- Biocompatible cover: **safe for the skin**
- 100% hygienic: **machine washable** at 60°C.
- Suitable for dynamic **Air Flow mattresses.**

Modular design with service **for spare parts.**

Includes topper of 4 cm:

■ **foam or 3D**

