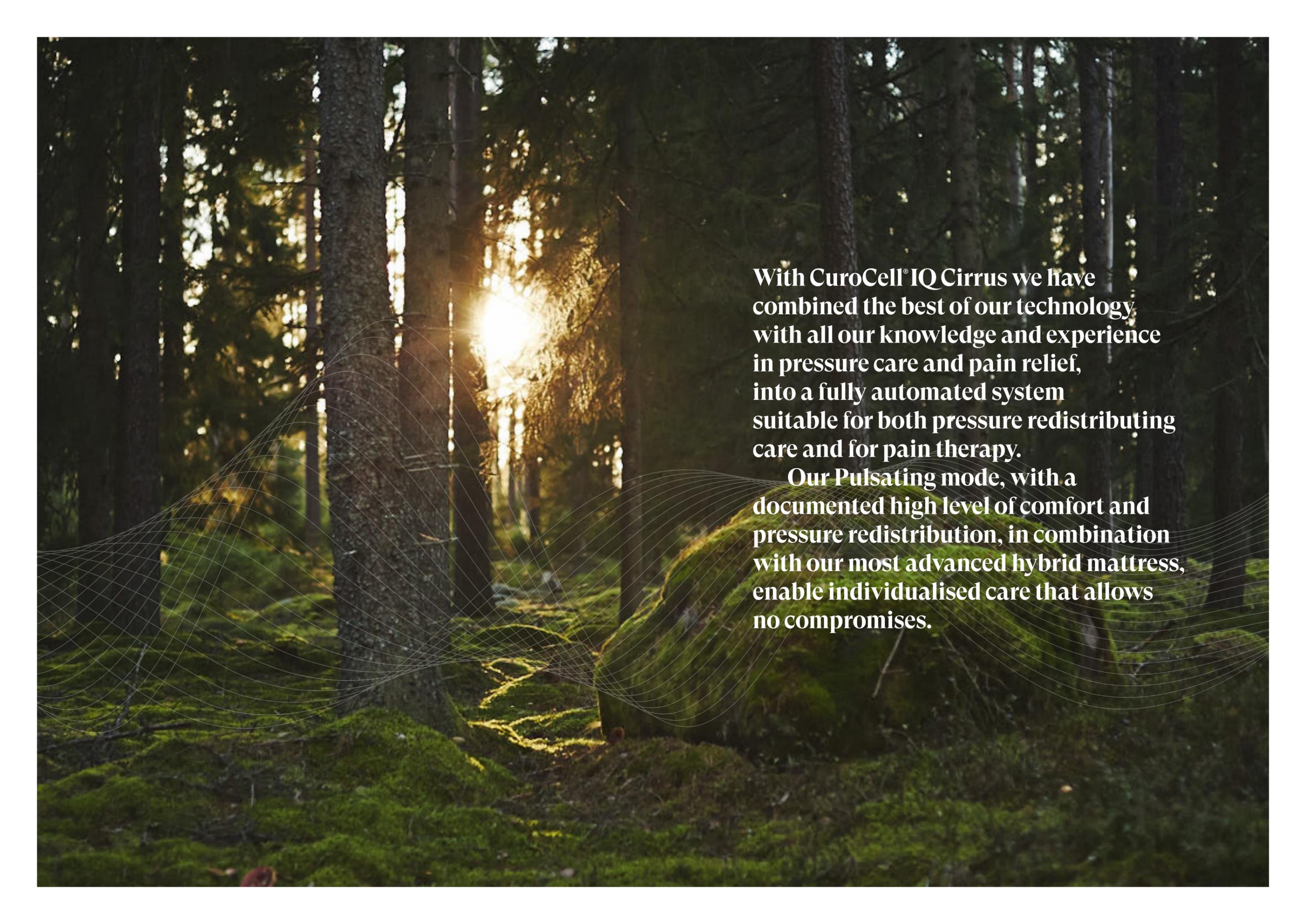


# CuroCell® IQ Cirrus

When there is no room for compromise

A photograph of a forest with sunlight filtering through the trees, creating a warm, golden glow. The sun is positioned in the center-left, casting long shadows and illuminating the forest floor. A white, semi-transparent grid overlay is visible across the lower half of the image, suggesting a technical or scientific theme. The text is overlaid on the right side of the image.

**With CuroCell® IQ Cirrus we have combined the best of our technology with all our knowledge and experience in pressure care and pain relief, into a fully automated system suitable for both pressure redistributing care and for pain therapy.**

**Our Pulsating mode, with a documented high level of comfort and pressure redistribution, in combination with our most advanced hybrid mattress, enable individualised care that allows no compromises.**

# Air and foam for maximum redistribution

One of our most advanced mattresses offers great care and effective pain therapy and pressure redistribution for even the most demanding users. CuroCell® IQ Cirrus combines air with a soft foam surface and provides high user comfort and pressure redistribution<sup>(1)</sup>. The heel function offers additional protection by relieving pressure on the heels. Moreover, the dual cover system reduces the shearing effect when adjusting the bed.

**“Our staff found the mattress extremely quiet and easy to handle. As the air cells are less noticeable than in many other mattresses, we used it for a patient who found pressure adjustments in other mattresses unpleasant, with very good results.”**

Nurse, Sweden

## With a unique design

The unique design of CuroCell® Cirrus, providing a combination of air and foam, makes it possible to combine effective pressure redistribution and great comfort. The foam core surrounding the air cells provides stability and contributes to a smoother airflow, which is gentle for the user. With a liquid proof, yet vapour permeable cover<sup>(2)</sup>, the mattress also reduces the risk of skin maceration. Evac cover is an addition which enables a fast and

secure evacuation. The soft inner cover is made of PU coating, an elastic fabric which reduces shearing and friction, and also provides good cleaning properties. The inner cover not only relieves shearing, but also contributes to the high comfort of the mattress.

Reinforced sidewalls offer stability and safety for the user.



## For an improved microclimate

Air Flow Control is a technology that provides constant temperature, increased user comfort and lower energy consumption.

<sup>1</sup> Hsu et al., "Noise pollution in hospitals: Impacts on patients", J. Clin. Out. Mgmt. 2012, vol 19, no 7, p301-309.

<sup>2</sup> SS-EN ISO 15496:2004, DIN 53122-1.

# Intelligent simplicity

The new CuroCell® IQ features simplicity at its best. The system identifies the user and automatically adjusts itself to the individual, thereby allowing better care for the user as well as an easier work load for caregivers.



## Increased comfort

The CuroCell® IQ control unit is pre-set to our newly developed Pulsating mode, which offers a documented high level of comfort and effective pressure relief. Sleep, in combination with a calm and quiet environment are key factors in recovery and increased well-being<sup>(1) (2) (3)</sup>. This is why CuroCell® IQ is developed to offer low noise- and vibration levels. The function Air Flow Control allows the mattress to reuse the air inside it. The feature provides a constant temperature in the mattress as well as quiet, calm and stable airflows.

## Reliable solution

With the CuroCell® IQ we offer a truly automatic system, and a new level of safety and efficiency. The control unit is equipped with active sensors, prepared to continuously react to body position changes, without the need of any manual settings or adjustments. Always offering an effective solution for each individual in every situation, the CuroCell® IQ means less handling for staff and increased safety for users. This enables increased reliability and individualisation in your care.

 care of sweden

No manual settings required.

<sup>1</sup> Hagerman I et al., "Influence of intensive coronary care acoustics on the quality of care and physiological state of patients", Int J Cardiol. 2005 Feb 15;98(2):267-70

<sup>2</sup> Hsu et al., "Noise pollution in hospitals: Impacts on patients", J. Clin. Out. Mgmt. 2012, vol 19, no 7, p301-309

<sup>3</sup> Johansson et al., "The sound environment in an ICU patient room - a content analysis of sound levels and patient experiences", Intensive and Critical Care Nursing Journal, Oct 2012, 28(5), p.269-279

**“We borrowed a CuroCell® Cirrus for a patient with complicated and deteriorating pressure ulcers, and already the first night we received positive feedback from the nursing staff. For the first time in a long while, they had turned the patient in her bed without her expressing any feeling of pain.”**

Occupational Therapist, Sweden

# Pressure redistribution and pain therapy

CuroCell® IQ Cirrus is used as an aid in the prevention and treatment of pressure ulcers/pressure injuries up to and including category 4, and unclassified pressure ulcer, and for pain therapy. It is a replacement system ideal for all healthcare environments.

## Award-winning technology

Care of Sweden's fully automatic products have been internationally recognised for their innovative engineering and excellent performance.



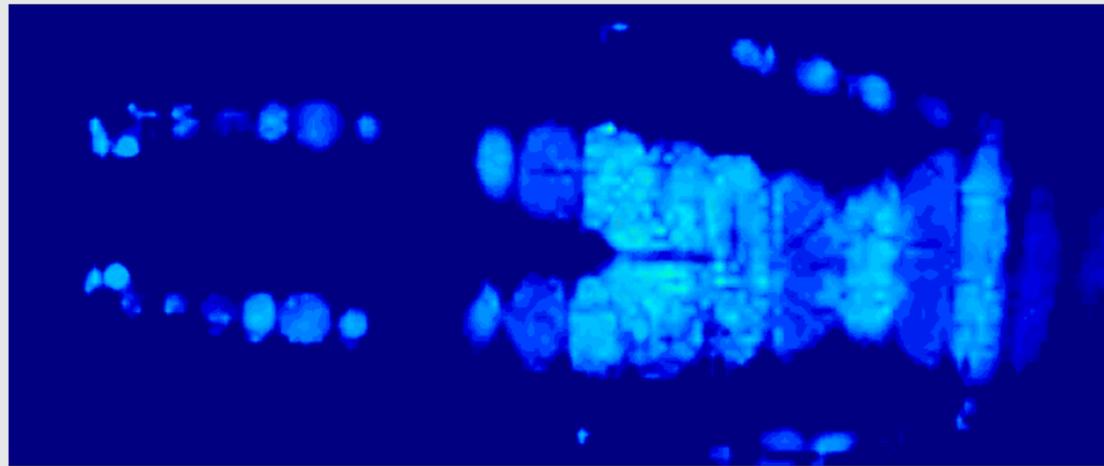
**“Many of our patients have problems with sleeping, due to great pain. However, we see a remarkable difference and a reduced need for painkillers after starting to use CuroCell® Cirrus.”**

Nurse, Denmark

- 1 Pulsating pressure on soft foam surface
- 2 Cable management
- 3 Soft, elastic, vapour permeable hygienic cover
- 4 Hygienic cover with welded seams
- 5 Heel slope, for pressure relief of heels
- 6 Silent and energy-saving control unit
- 7 Fail-safe CPR with integrated transport function
- 8 Sound and light notification for low pressure
- 9 Sound and light notification for power failure

# Clinical studies prove benefits of the Pulsating mode

We have made the CuroCell® IQ our most intelligent, yet simplest control unit so far. The Pulsating mode is the only featured programme, making it easier than ever to individualise effective care. The clinical results of the Pulsating mode has been proven in comprehensive studies, showing it to be superior to the traditional Alternating mode.



The Pulsating mode allows the support surface to be maximized and provides lower peak pressure compared to a traditional alternating mode. The user will experience a safe, highly comfortable and calm experience on the mattress.

## Effective choice for even blood flow in user tissue

A study<sup>(1)</sup> shows that the Pulsating mode, with its gentle air flows, increases comfort and assures an even blood flow in the user's tissues. The Pulsating mode also offers the user less awareness of the support surface's movements and is more adaptable to mimic the natural movements of the body, compared to a traditional Alternating mode.

## Well proven for both prevention and treatment

Another study<sup>(2)</sup> confirms that the cumulative pressure ulcer incidence associated with the use of the Pulsating mode was as low as 2.5%. The results indicated that the existing pressure ulcers category 3 or 4 did not worsen and also healed while using a fully automated pulsating support system.

Overall, participants' comfort while using the Pulsating mode was rated very good to excellent by both users and caregivers.

<sup>1</sup> Dr Peter Worsley, Dr Luciana Bostan and Professor Dan Bader. Investigation of the biomechanical and physiological responses to prolonged lying postures during three mattress modes. Unpublished manuscript. University of Southampton, 2018.

<sup>2</sup> Beeckman D., Van Hecke A., Verhaeghe S., Van Damme N., Manderlier B., Zwaenepoel E. The use of a fully automated pulsating support system (CuroCell® A4 CX20) in pressure ulcer prevention and treatment: a clinical test in 10 Belgian nursing homes, International Wound Journal. Gent University, 2019.

# Together with caregivers, eliminate pressure ulcers.

This has been our goal since our start in 1999 – to develop world-class tools for the healthcare sector, making it possible to take excellent care of the users, and improve health economy. Together with caregivers around the world we can work towards a world without pressure ulcers.

/ Magnus Högberg, founder, owner and CEO



Care of Sweden is an innovative company in the medtech sector, devoted to the cause of eliminating pressure ulcers around the world. Our product range covers mattresses, positioning pillows and seat cushions, used as an aid in the prevention as well as treatment of pressure ulcers. Our head office, R&D and production are located in Tranemo, western Sweden, and our products are used in care facilities across Sweden as well as in many other parts of the world.



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