

# Dyna-Form<sup>®</sup> SMARTresponse<sup>®</sup>

The next generation hybrid support surface.

Despite ongoing improvements in pressure ulcer (PU) prevention, the clinical burden of PUs still remains high, with a 32% increase in PU incidence occurring between 2012/13 and 2017/18 and an annual cost increase of 8-9% per annum within wound care.<sup>1</sup> It has been suggested that one way to break these incidence plateaus is to use continuous patient monitoring in order to provide a level of on-going risk assessment<sup>2</sup> and to enable better decision making that is informed by patient needs.<sup>3</sup>

**SMARTresponse<sup>®</sup>**, DHG's latest innovation, is uniquely able to support clinical choice and timely intervention on an individualised basis by automatically or remotely stepping-up patient care when a period of patient non-movement has been detected.

With the focus on clinical choice, **SMARTresponse<sup>®</sup>** empowers healthcare providers to achieve earlier intervention in pressure ulcer prevention, offering easy implementation for individuals at risk of developing pressure ulcers, helping to ensure best use of clinical resources to deliver more responsive patient care, improve patient outcomes and contribute to cost-savings.<sup>4</sup>



## Auto Start

Selecting Auto Start allows the system to automatically 'step up' care when no patient movement has been detected for a period of time.



## Alert Me

Alert Me sends a message directly to the care provider when no patient movement has been detected for a period of time. This provides the carer with the ability to remotely 'step up' care from anywhere.



## Bed Exit

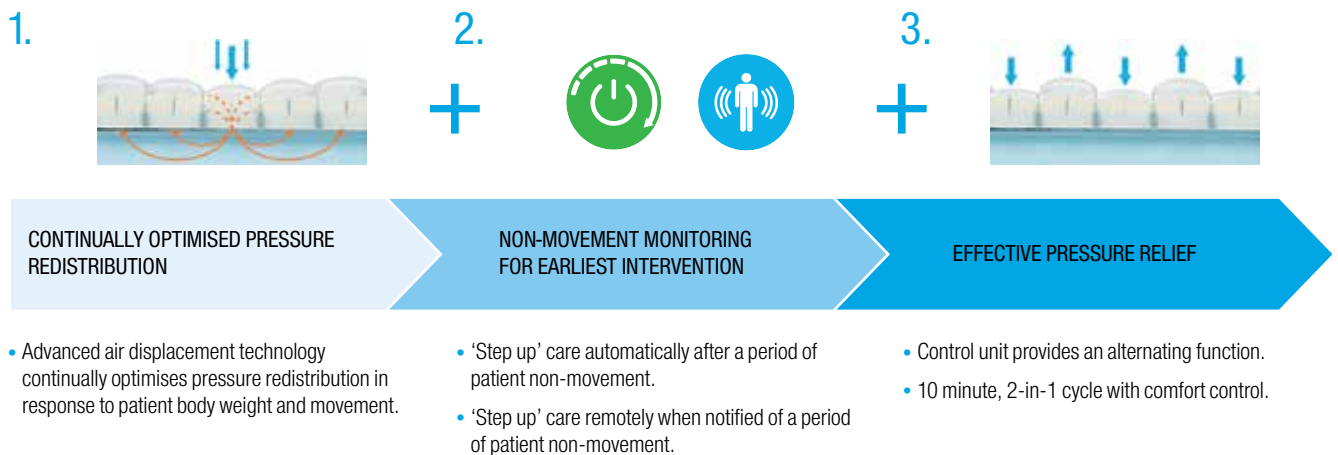
Bed Exit can be activated at any point to detect bed exit events. In the event that a Bed Exit is detected, an alert is sent directly to the care provider.



# SMARTresponse<sup>®</sup> transforms the pressure ulcer prevention care delivery model, providing the next generation hybrid mattress.

Hybrid support surfaces are clinically proven to support the prevention and treatment of pressure ulcers. Representing a step change in care delivery, hybrid solutions provide a more cost-effective solution, promoting best use of resources when compared to the traditional use of standard high specification foam and alternating pressure air mattresses.

With the addition of the SMARTresponse<sup>®</sup> power unit, DHG have transformed the hybrid support surface, enabling the immediate 'step up' of patient care automatically or remotely when a period of no patient movement has been detected:



## EPUAP/NPIAP/PPPIA International Clinical Practice Guidelines 2019.

**Recommendation 1.23:** Develop and implement a risk-based prevention plan for individuals identified as being at risk of developing pressure ulcers.<sup>5</sup>

**Recommendation 5.1:** Reposition all individuals with or at risk of pressure ulcers on an individualized schedule, unless contraindicated.<sup>5</sup>

**Recommendation 5.2:** Determine repositioning frequency with consideration for the individual's level of activity, mobility and ability to independently reposition.<sup>5</sup>

SMARTresponse<sup>®</sup> provides bespoke and individualized pressure redistribution and pressure relief in a single support surface, and can play a role in determining patient repositioning, with consideration for the individual's level of activity, by constantly monitoring patient movement.

## Technical Specifications

Product Code	MAT1620001
Risk Category	Very High Risk
Weight Limit	No minimum weight limit. 254kg max. patient weight
Warranty	2 years
Dimensions	Standard size 198cm (L) x 88cm (W) x 15cm (H). Variable sizes available
Product Weight	13.3kg mattress. 1.7kg control unit
Cycle Time	10 minutes
Voltage	220-240V, 50Hz

## References

1. Guest, J., Fuller, G. W., & Vowden, P. (2020). Cohort Study Evaluating the Burden of Wounds to the UK's National Health Service in 2017/2018: Update from 2012/2013. *BMJ Open*, 10(12);e045253.
2. Brienza, D. (2020). Translating Aetiological Knowledge into Support Surface Science. EPUAP 2020 Virtual Conference Abstract.
3. Nixon, J. et al. (2019). Pressure Relieving Support Surfaces for Pressure Ulcer Prevention (PRESSURE 2): Clinical and Health Economic Results of a Randomised Controlled Trial. *EClinicalMedicine*, 14:42-52.
4. Fletcher, J., Tite, M., & Clark, M. (2016). Real-World Evidence from a Large-Scale Multisite Evaluation of a Hybrid Mattress. *Wounds UK*, 12(3):54-61.
5. European Pressure Ulcer Advisory Panel, National Pressure Injury Advisory Panel and Pan Pacific Pressure Injury Alliance. Prevention and Treatment of Pressure Ulcers/Injuries: Quick Reference Guide. Emily Haesler (Ed.). EPUAP/NPIAP/PPPIA:2019.