

MMO 3000MH

Ultra-Low Bed for the
Mental Health Environment



medstrom⁺

Improved Patient Outcomes

Caring for patients in the mental health environment

Ensuring the protection of patients is a priority in any care environment and even more so when a patient is particularly vulnerable. Caring for these patients can be challenging, with safeguarding a crucial element of providing care. Often for patients with mental health issues, protection of the patient and caregiver from harm is the most important priority.

In recent years, there has been a focus on making the ward environment as low risk as possible. In newly built units there are minimal ligature points, and even the doors are specially designed. In these units and in recent refurbishments most beds are solid blocks of wood that are secured to the floor so patients are unable to move or lift it if they become violent towards staff. Corners are rounded and there are no ligature risks to prevent self-harm.

But what about mental health patients who are admitted with complex care needs or physical health issues? What about patients who are detained in mental health units for lengthy periods of time, who develop age-related health issues? Or patients admitted to dementia assessment units, usually from a nursing home facility, who will often have multiple healthcare needs and limited mobility in addition to being at high risk of falls?

KEY FACT:

There are over 48,000 psychiatric care admissions to acute wards every year in England.¹

KEY FACT:

Self-harm by mental health patients in the NHS has risen by 56%.²

Enhanced protection for patients and caregivers

The MMO 3000MH is an ultra-low four section electric profiling bed that includes adaptations to ensure its suitability for the acute mental health environment including:

- Cable-free, infrared hand control to remove ligature risk
- Removable power cord and concealed cables remove ligature risk
- Fixed solid sleep deck panels and smooth, fixed head and footboards minimise the potential for harm to the patient and caregiver
- In ultra-low position, there is no access for limbs under the bed thanks to the new deep, fixed side panels
- The MMO 3000MH can be configured for either single or twin bedded rooms



Effective Falls Prevention

A significant number of falls in older people result in moderate to severe injury, or even death, and the highest proportion of inpatient falls occur when the patient is trying to mobilise around the bed space. Patients suffering with dementia or who are confused or disorientated may be at particular risk of falls.

The MMO 3000MH has an ultra-low height from just 19cm, offering protection from injury should confused or disoriented patients climb or fall from the bed.

Safer patient positioning

The MMO 3000MH incorporates a 'Safe Stop' positioning feature, eliminating the need for bending to check angle indicators and for guesswork.

The backrest will automatically pause at the two most clinically beneficial positions of

- 30° of head elevation, allowing greater residual capacity of the lungs and therefore improving oxygenation levels. It will also enhance the wellbeing of a patient who is recovering after surgery or someone who has been very ill
- 45° of head elevation, a semi-recumbent position that enhances respiratory function, well-being and promotes the feeling of progress in mobilisation for the patient

The electric backrest lengthens as it articulates to a maximum of 70°, extending the platform by 12cm. Independent testing³ reveals that patient migration and associated shear and friction is eliminated when the patient is positioned using the auto-contour feature.

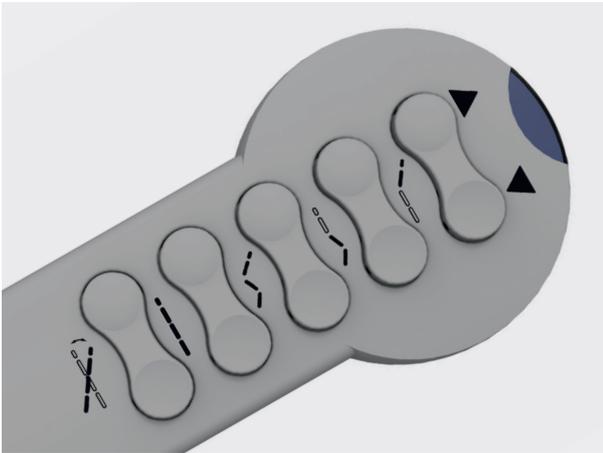
A full cardiac chair position can be achieved via just one button operation. This has obvious benefits for well-being, patient psychology and early discharge from hospital.

Trendelenburg and reverse Trendelenburg have an automatic 'back to flat' feature that removes guesswork, the need for angle indicators and unnecessary bending for caregivers.

Platform technology across the range

The MMO range of electric profiling beds incorporate platform technology with common functionality and controls. This delivers benefits for caregivers in terms of reducing the risks associated with medical device use through simplicity, familiarity and more standardised training. It can also deliver benefits in terms of reduced maintenance costs and down-time.

Create a safe environment that protects patients and caregivers from harm



Infrared wireless hand control removes the ligature risk associated with cabled handsets.



Easy to access, removable power cable removes ligature risk.



Fixed, solid sleep deck panels and smooth, fixed head and footboards reduce the potential for harm.



Concealed cables remove ligature risk.



Ultra-low height from just 19cm minimises potential for injury from falls from the bed.



New filler section at head of the bed completely blocks access when the backrest is flat.

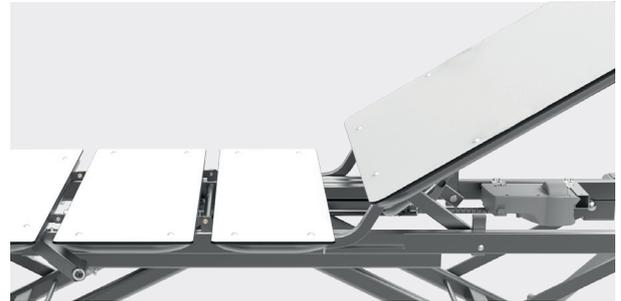


Deep, solid side rails completely block access under the bed in ultra-low position. Metal folding side rails are an option.

Achieve safe and easy patient positioning, enhancing patient wellbeing



The backrest automatically pauses at the 'Safe Stop' head of bed angles of 30° and 45°, ensuring effective patient positioning.



The backrest regresses as it lifts to 70°, lengthening the platform by 12cm, which eliminates heel travel, removing the risk of shear and friction on heels, back and sacrum.



A full cardiac chair position can be easily achieved using one button. This is an important first step towards early mobilisation and helps patient wellbeing and further supports pulmonary function.



Easy to use bilateral, manual CPR function.

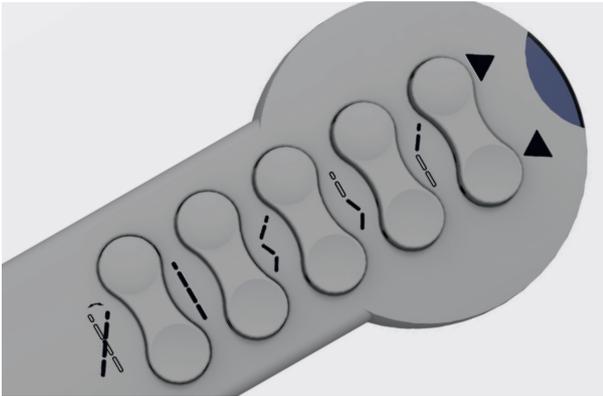


Trendelenburg and reverse Trendelenburg (+/-14°) has an automatic 'back to flat' feature, avoiding guesswork and the need for the caregiver to bend for angle indicators.

KEY FACT:

As we sit a patient up in bed their spine elongates. The MMO backrest design completely accommodates this, eliminating patient migration.

Simple and easy to use



The intuitive five function infrared hand control is simple to operate and ensures patient safety.



Additional removable handsets can be added. Patient handset (left) and caregiver control panel (right) available as options.



75mm twin multidirectional castor design ensures smooth and easy movement of the bed even over uneven surfaces. Brake is accessed from the side of the bed.



Excellent access for all designs of hoist.



Option of 100mm castors at the head of the bed and feet that are fixed to the floor at the foot of the bed.



Optional 100mm twin multidirectional castors with braking system that is accessed from the front of the bed.

Easy to clean



The bed frame can be decontaminated with all hospital-approved cleaning agents.



The design of the frame facilitates easy cleaning under the bed.



The sleep deck panels can be cleaned with all usual hospital cleaning agents.



Standard configuration

- Cable-free, infrared hand control
- Fixed, solid head and footboards
- Fixed sleep deck panels with tamper-proof fixings
- Removable power cable and concealed cabling
- Fixed, solid side panels
- Twin 75mm multi-directional castors with side access brake and steer

Options

- Removable cabled handset
- ¾ folding metal side rails
- Twin 100mm multi-directional castors, with side access brake and steer
- 100mm castors at head, fixed feet at the foot end

Reference

1. Mental Health Community Team Activity Report March 2016 to March 2017, NHS England
2. Luciana Berger, Shadow Minister for Health, findings of Freedom of Information request, 2014
3. Bed frame design and patient migration study, Anita Rush, 2018

Technical Specification

Dimensions

| | |
|--|---|
| Minimum height: | 19cm/21cm* |
| Maximum height: | 81cm/83cm* |
| Sleep deck overall length & width: | 214cm x 99.8cm |
| Dimension of sleep deck: | 200cm x 90cm |
| Safe working load: | 250kg |
| Max patient weight: | 215kg |
| Electric, shear-reducing back angle adj: | to 70° |
| Electric knee angle adj: | to 30° |
| Manual calf section angle adj: | 20° |
| Electric Trend/Reverse Trend: | 14° |
| CPR: | Bilateral manual CPR at head end with gas dampened action |
| Warranty period: | 10 years. Five years on electrical components. |

* With optional 100mm castors

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