



ELITE BED RANGE

DESIGNED BY RENRAY  
The complete furnishing collections

# Personal space

The Renray Elite Electrical Profiling bed range has been designed to incorporate the softer, more rounded aesthetic appeal of modern domestic furniture, matching perfectly with existing furniture schemes, delivering a coordinated, comfortable and homely feel.

The Elite bed range enhances the appeal and adds value to any care environment. As you refresh decor and room design, the Elite Range can be also be re-styled by simply replacing the side rails, head and foot ends to match the new scheme, retaining the coordinated aesthetics and controlling refurbishment costs.

Modern care beds should also deliver exceptional clinical advantages. The Elite Bed Range has been designed using Renray Healthcare's extensive knowledge and experience with anthropomorphic data. Most care beds use hospital bed frames as their point of reference and are based on European / Global norms. The Elite Range has been designed from first principles looking at the age, gender, height and weight of the UK care home population to produce a care bed that truly matches the ergonomic and clinical needs of your residents. A bed that is too long or too short means that the sections do not move with, or support, the resident correctly. This can significantly increase the sheer forces and pressure points that lead to pressure ulcer development. A bed that is too high or too low can cause problems for staff and increases the risk of falls.



## IEC 60601-2-52:2009 – New International Standard particular requirements for the basic safety and essential performance of medical beds

The new standard is now in force and all medical beds must comply with the standard in order for manufacturers to CE Mark their products – CE Marking is a legal requirement for medical beds within the European Market.

The new standard is comprehensive and incorporates a number of important changes relating to side rail spacing, side rail loading, product stability, functional reliability, finger traps and electrical safety.

While it is possible for manufacturers to 'self certify', the complexity of the standard can lead to interpretation rather than strict compliance. To ensure that the Elite range is fully compliant, Renray has had the beds INDEPENDENTLY tested to IEC 60601-2-52:2009.

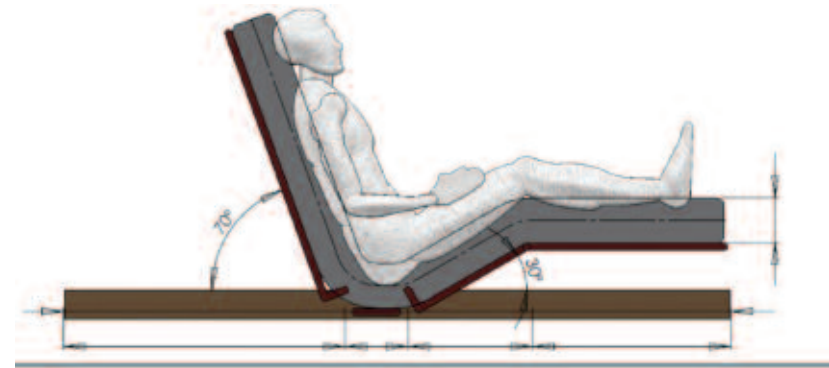


### Advance profiling

The 4 sections of the Elite profiling beds raise the pivot point of the backrest and thigh section closer to the client's natural pivot point (their hip joint) mimicking the way tissue stretches as they move from a lying to sitting position and reduces abdominal compression while seated. This offers major benefits over conventional profiling beds:

- Enhanced pressure, shear and friction reduction
- Excellent postural support
- Better respiratory positioning
- Exceptional comfort

The sequence of profiling is also important. The knee break profiles in advance of the back rest to reduce shear and prevent the resident sliding down the bed.



## Side rail safety

Accidental deaths involving profiling beds are usually associated with incorrect side rails being fitted or the incorrect use of side rails. The Elite range has unique fittings making it impossible to fit incorrect sides to the Elite beds and ensuring compliance with the IEC 60601-2-52: 2009 directive.

An optional 'side rail lock down' allows senior staff to lock the side rails in the lowest position so that they cannot be used inappropriately.

Elite side rails sit well below the mattress surface allowing comfortable and safe egress from the bed, reducing the risk of falls from bed while going from sitting to standing.

When being used with deep air mattresses, height extensions can be fitted to the side rails to maintain the 220mm distance from mattress surface to the top of the raised side rail, as required by IEC 60601-2-52: 2009.

## Dementia friendly

To help with this increasing common debilitating, neurological and physical condition, the Elite bed range has a number of Dementia friendly features:

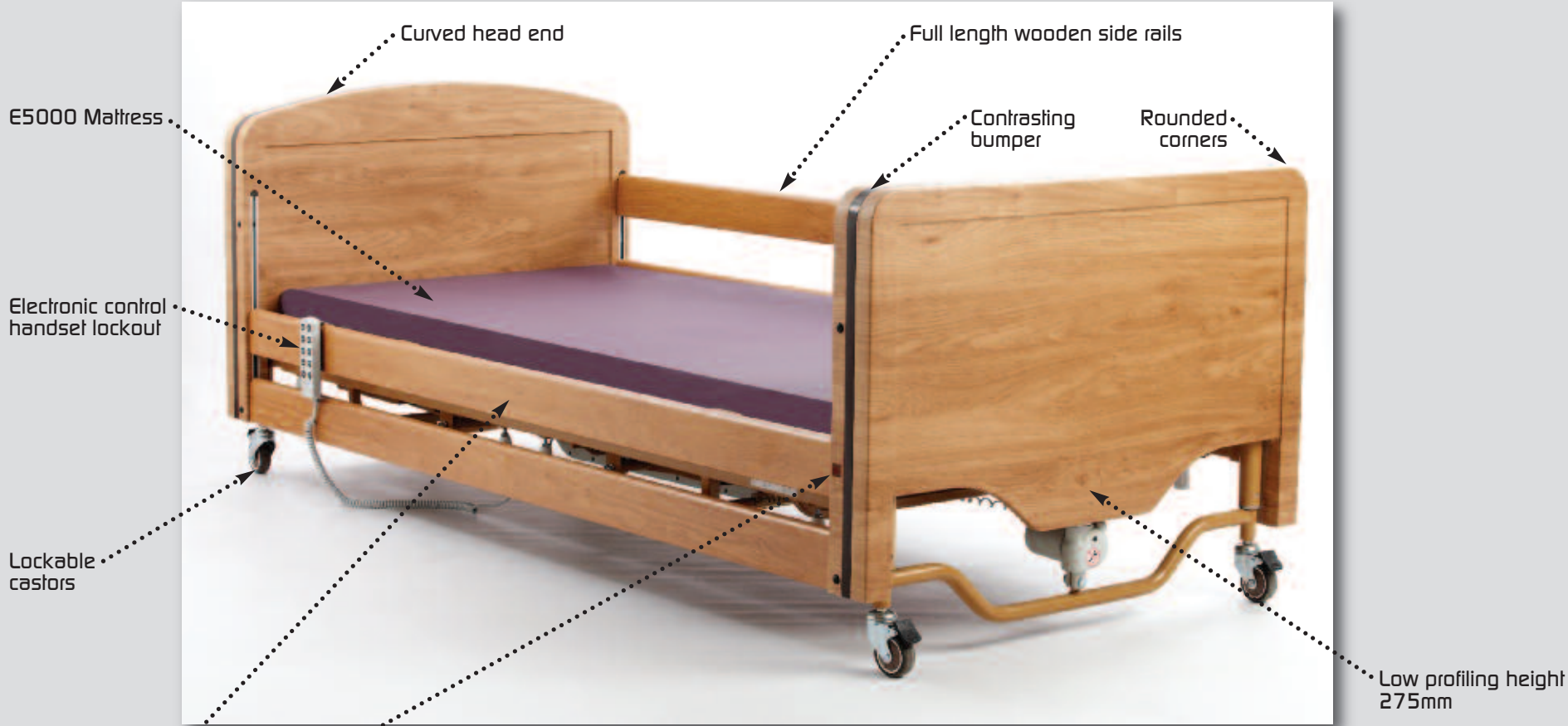
**Aesthetics** – compared to many care beds the Elite range of beds 'look normal', match the room décor, causing less distress and anxiety.

**Colour contrast** – the contrast between the rubber 'bumper' beading and the head/foot end panels help define the outer edges of the bed reducing accidental contact and bruising

**Curves & bumper** – the rubber beading combined with the width and curvature of the head and foot end help reduce injury to residents and damage to both the bed and room furnishings.



# E2000 Profiling bed in detail



Pippy Oak



Walnut



Beech



Light Oak

## Elite Profiling bed range

There are 3 beds within the range to cater for different resident's needs. Each bed comes in a standard length of 2200mm but for small rooms where it is desirable to have more space around the bed they can be shortened to 2085mm.

### Model E2000L

The standard bed providing a height range and bed width to suit the majority of residents.

### Model E2060L

All the features of the E2000 but with a lower egress height to assist with falls risk residents.

### Model E2400L

A 4ft wide bed for those residents that would like or need a more spacious lying surface for either comfort or clinical reasons.

## Accessories

Product Code	Description
E3000	Standard foam mattress with two way stretch, vapour permeable cover. (Suitable for E2000L & E2060L beds)
E4000	Pressure Relieving foam mattress with two way stretch, vapour permeable cover (Suitable for E2000L & E2060L beds)
E5000	Pressure Relieving "Memory" foam mattress with two way stretch, vapour permeable cover (Suitable for E2000L & E2060L beds)
E55000	Mattress Squab (115mm x 850mm x 150mm)
E3000R	Reduced length E3000 mattress for E2000 & E2060 beds
E4000R	Reduced length E4000 mattress for E2000 & E2060 beds
E5000R	Reduced length E5000 mattress for E2000 & E2060 beds
E5400	Pressure Relieving "Memory" foam mattress with two way stretch, vapour permeable cover (Suitable for E2400L bed)
E5400R	Reduced length E5400 mattress for E2400 bed
EFLSP	Elite full length side rail pads (Pair)
EPB	Elite pump bracket
ELP	Elite lifting pole
EHESR	Elite height extensions for full length wooden side rails (pair)
EEWSR	Elite extended wooden side rails (Set of four rails)
EFM	Elite fallout mat

Model	E2000L	E2000	E2060L	E2060	E2400L	E2400
Standard External Length	2200	2085	2200	2085	2200	2085
External Width	1040	1040	1040	1040	1340	1340
Mattress Platform Height - Highest	675	675	600	600	675	675
Mattress Platform Height - Lowest	275	275	200	200	275	275
Recommended Mattress Size (L x W x D)	1965 x 850 x 150	1850 x 850 x 150	1965 x 850 x 150	1850 x 850 x 150	1965 x 1100 x 150	1850 x 1100 x 150
Suitable Renray Mattress Models	E5000 E4000 E3000	E5000R E4000R E3000R	E5000 E4000 E3000	E5000R E4000R E3000R	E5400	E5400R

## Factory Fitted Options

Code	Description
PH	Padded head board
NSR	No side rails



Side rail pads



Fallout mat



Storage mode



Pump bracket



Mattress squab



Side rail extensions