A NEW HORIZON

Sizes 1, 2 & 3

www.ottobock.de
We work with individuals, therapists and carers to design products with both a clinical and an emotional focus. Using the latest research and clinical understanding, we create practical solutions which are easily integrated into family life, because for us, life is about going, enjoying, participating and doing.
24 hour postural care for babies, kids & adults.
Sleeping, Sitting, Standing, Walking, Moving, Bathing, Toileting.
The Horizon Stander is a robust, durable 3-in-1 stander which can be positioned in prone, supine or upright. And is now available in a Size 3.

The new Size 3 has been designed with the larger teen or adult client in mind, with a maximum weight limit of 100kg/220lbs. In addition to the new maximum weight limit, on the Size 3 the hip pad and the distance between the chest laterals have been made wider.
The popularity of the Size 1 and 2’s innovative design features have led us to incorporate them into the new Size 3. The whole Horizon range therefore continues to enable safe and easy transfer of users using either mobile or tracking hoists, and the individual adjustable chest, hip, knee and footplates provide unsurpassed levels of adjustability for proximal positioning – ideal for more complex users or adults who have not benefitted from standing therapy for some time.

And that’s not all!

Prone setup (with optional accessories)
So what’s new?
Leckey have introduced a number of new features and accessories across the whole Horizon range...

**Pelvic Belt**
The derotation pelvic belt (A & B) has been redesigned like the Mygo Stander belt, to give more proprioception and structure under the client’s bottom.

**Knee Brackets**
There are extended knee brackets (C & D) to give a greater range of depth adjustment.

**Head Support**
The contoured head support now offers lateral adjustment for clients whose heads are not in the mid-line.

**Footplates**
The new optional 3D footplates will accommodate varus/valgus flexion of the feet as well as plantar and dorsiflexion.

**Angle Indicator**
An easy-to-read angle indicator has been added which allows records to be kept of each client’s individual requirements.
The controller and handset have 4 new features:

1. There is an indicator light which shows the level of charge that is left in the battery, helping you to plan when to charge it.

2. To preserve the life of the battery, the Horizon has an in-built disabling system so that the product stops before the battery is fully flat. This means that the battery is not damaged and will last the lifetime of the Horizon.

3. The charging point is now easier to access.

4. There is an emergency stop button on the control box.

New Fabric Options

In addition to all the clinical and technical improvements, the product has had a makeover with new fabric and a new chassis colour. A new look and size range for a very popular product.

Fabric Colours:
Blue (for size 1 & 2),
Grey (for size 1, 2 & 3)
Enables kids to interact eye-to-eye with peers

Improves wellbeing, alertness and sleep patterns

Enhances circulation and blood pressure

Aids digestion, bowel function and bladder drainage

Improves respiration and voice control

Facilitates formation of the hip joint in early development

Stretches muscles, preventing the onset of contractures

Improves skin integrity by relieving pressure encountered during sitting

Increases bone density and reduces risk of fractures

Improves wellbeing, alertness and sleep patterns

Why Stand?
Standing increases bone density and reduces the risk of fractures. Normal bone development needs a combination of good nutrition, weight bearing, e.g. through standing or walking, and the use of muscles. Research shows that standing improves the bone density of the pelvis and leg bones of non-ambulatory children, such as those with CP, Muscular Dystrophy, Spina Bifida or spinal cord injury.

Standing stretches muscles, preventing the onset of contractures. Research shows that standing programmes, if maintained, improve the extensibility of the hamstrings, increase range of movement and reduce the extent of spasticity. Standing also provides proprioceptive input to young developing muscles and joints, builds endurance to standing and regulates resting muscle tone.

Standing improves respiration and voice control. When we stand, the diaphragm has more room to expand and contract, meaning that we can breathe in and out more easily, deeply and efficiently. Therefore, standing allows individuals to speak with improved volume and voice control.

Standing enhances circulation and blood pressure. Effective circulation is closely related to breathing. Standing results in improvements in blood pressure, heart rate and circulation, and a reduction in orthostatic hypotension and oedema in the legs and feet.

Standing enables kids to interact eye-to-eye with their peers. Eye-to-eye interaction improves confidence, self-esteem and self-image as the child can accomplish tasks in the same manner as other students or siblings. Supported standing eliminates the fear of falling and so allows the individual to direct their attention towards learning and social interaction.

Standing improves wellbeing, alertness and sleep patterns. Studies have reported improved sleep, decreased fatigue, increased alertness and feelings of wellbeing from regular standing. While standing, the effects of retained primitive reflexes such as symmetrical tonic neck reflex (STNR) and tonic labyrinthine reflex (TLR) are more controlled and therefore, sensory organisation, comfort, energy and attention are maximised.

Standing aids digestion, bowel function and bladder drainage. Standing is believed to help with digestion and toileting through a combination of gravity and the activation of the stomach muscles. Studies have backed this up showing improved bowel regulation and ease of toileting, and better bladder awareness and emptying.

Standing facilitates the formation of the hip joint in early development. Children who stand at the normal developmental age of 12-16 months are considered more likely to develop the ball and socket of the hip joint, which can prevent hip subluxation or dislocation. Standing from an early age also helps a child with standing transfers in the future.

Standing improves skin integrity by relieving pressure encountered during sitting. As standing improves respiration, it allows more oxygenated blood to reach tissues which are subject to pressure when seated, resulting in fewer bedsores and improved skin integrity.

The full article and clinical references in support of standing can be found at leckey.com.
Supine setup (shown with optional accessories)

- Flat head support (contoured available)
- Adjustable activity tray
- Adjustable chest & lateral support
- Adjustable chest/back pad
- Adjustable hip pad
- New improved pelvic band (lateral supports available)
- Adjustable knee supports
- Angle indicator
- Independently adjustable footplates and sandals (basic, flip-up & 3D footplates available)
- Charging point
The Horizon Stander is now available in three sizes.

## Configuration
The standard product includes frame, chassis, back/chest pad and hip pad.

### Product Sizing

<table>
<thead>
<tr>
<th>Size</th>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>4 - 10</td>
<td>9 - 18</td>
<td>14 - adult</td>
</tr>
<tr>
<td>mm</td>
<td>inches</td>
<td>mm</td>
<td>inches</td>
</tr>
<tr>
<td>Horizion Stander</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>1135</td>
<td>44.7</td>
<td>1280</td>
</tr>
<tr>
<td>Width</td>
<td>580</td>
<td>22.8</td>
<td>640</td>
</tr>
<tr>
<td>Height in Horizontal Position</td>
<td>780</td>
<td>30.7</td>
<td>805</td>
</tr>
<tr>
<td>Weight of Product</td>
<td>44kg</td>
<td>97lbs</td>
<td>50kg</td>
</tr>
<tr>
<td>Max User Weight</td>
<td>50kg</td>
<td>110lbs</td>
<td>80kg</td>
</tr>
<tr>
<td>User Standing Height</td>
<td>1000</td>
<td>39.4</td>
<td>1400</td>
</tr>
<tr>
<td>Shoulder Height (footplate to top of pad)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>min</td>
<td>820</td>
<td>32.3</td>
<td>1000</td>
</tr>
<tr>
<td>max</td>
<td>1150</td>
<td>45.3</td>
<td>1450</td>
</tr>
<tr>
<td>Hip Pad Height (footplate to top of pad)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>min</td>
<td>450</td>
<td>17.7</td>
<td>750</td>
</tr>
<tr>
<td>max</td>
<td>750</td>
<td>29.5</td>
<td>950</td>
</tr>
<tr>
<td>Hip Pad Width</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>min</td>
<td>175</td>
<td>6.9</td>
<td>210</td>
</tr>
<tr>
<td>max</td>
<td>270</td>
<td>10.6</td>
<td>390</td>
</tr>
<tr>
<td>Knee Height (footplate to middle of pad)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>min</td>
<td>250</td>
<td>9.8</td>
<td>400</td>
</tr>
<tr>
<td>max</td>
<td>450</td>
<td>17.7</td>
<td>550</td>
</tr>
<tr>
<td>Width Between Chest Laterals</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>min</td>
<td>200</td>
<td>7.9</td>
<td>240</td>
</tr>
<tr>
<td>max</td>
<td>300</td>
<td>11.8</td>
<td>380</td>
</tr>
<tr>
<td>Footplate Angle Adjustment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>+/-</td>
<td>10°</td>
<td>10°</td>
<td>10°</td>
</tr>
<tr>
<td>Tray Sizes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>420 x 440 x 17.3</td>
<td>520 x 590 x 23.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tray Angle Adjustment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prone Version</td>
<td>0° to 40°</td>
<td>0° to 40°</td>
<td></td>
</tr>
<tr>
<td>Supine Version</td>
<td>-20° to +30°</td>
<td>-20° to +30°</td>
<td></td>
</tr>
<tr>
<td>Frame Clearance (bottom of ski to ground)</td>
<td>155</td>
<td>6.1</td>
<td>180</td>
</tr>
</tbody>
</table>

For service policies on all products outside warranty, please contact your Customer Service department. James Leckey Design Ltd as manufacturer with sole responsibility declares that all products conform to 93/42/EEC guidelines and EN12182 technical aids for disabled persons general requirements and test methods. Order forms and spare parts lists to extend the service life of the product and allow reissue are available on request.
Accessories

1. Contoured Headrest
2. Flat Headrest
3. Head Lateral Supports
4. Extended Headrest Bracket
5. Flexible Chest Laterals
6. Flip-Away Chest Laterals (Size 3 only)
7. Supine Tray (Size 3 only)
8. Wooden Tray (Size 3 only)
9. Padded Tray Insert (Plastic tray only)
10. Grab Rail (Size 1 & 2 only)
11. Grab Rail (Size 1 & 2 only)
12. Flexible Hip Laterals
13. Flip-Away Hip Laterals (Size 3 only)
14. Pelvic Band
15. Standard Knees
16. Medium/Long Knee Extension Bracket
17. Basic Footplates (Shown with sandals)
18. Flip-up Footplate (Shown with sandals)
19. 3D Footplates
20. Simple and easy-to-use hand adjustments

Conversion kit for supine standing

Conversion kit for prone standing

Adjustable activity tray, pelvic band and head support
Adjustable tray
Pelvic band for prone standing

Colour Options

Grey
Blue
Established in 1983, Leckey is a globally recognised pioneer in the research and development of products that help adults and children with disabilities to go, do, enjoy and participate in everyday activities throughout the day and night.

We take a highly clinical approach to product design and development. Through in-depth clinical research studies with leading universities, and extensive trials with occupational therapists, physiotherapists, users and their families, we continue to develop posturally supportive, family friendly products for all day care, at every stage of life.

Through early intervention, childhood and adulthood Leckey’s experienced team of designers, therapists and bioengineers work together to develop products that meet the clinical needs of the healthcare professionals and the social needs of the user.

To achieve this, we work with the healthcare professionals, the individuals and carers who use our products everyday. With their help, we create the dependable, durable, proven and high performance products that we are known for worldwide.