

LECKEY<sup>®</sup>

# HORIZON



Sizes  
1,2 &

3



# LECKEY<sup>o</sup>

Stronger together.

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 available in 3 different sizes.

Size 3 has been designed with the larger teen or adult client in mind, with a maximum weight limit of 100kgs.





### **And that's not all!**

The Horizon range enables 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 benefited from standing therapy for some time.



Prone setup  
(with optional  
accessories)

# Horizon Features

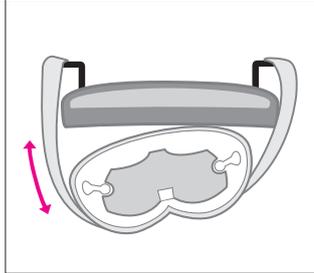
The Leckey Horizon Range is built for comfort and support....

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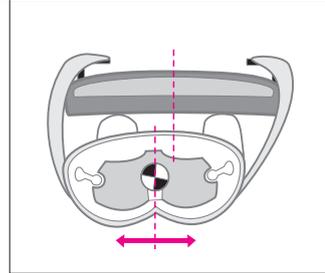
## Pelvic Belt

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.

A. Rotation



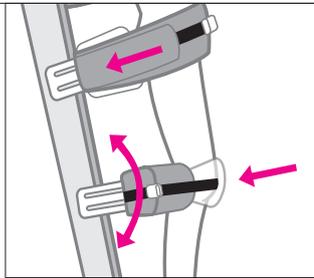
B. Balance



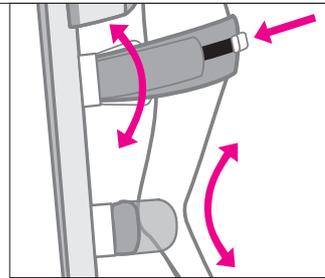
## Knee Brackets

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

C. Supine Flexion



D. Prone Flexion



## Head Support

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



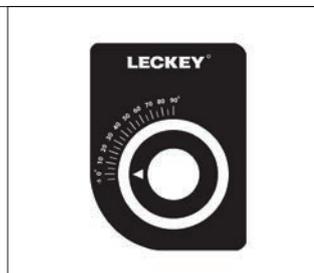
## Footplates

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.





Actuator



Handset

**The controller and handset essential 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.

**Stylish Fabric Options**

In addition to all the clinical and technical benefits, this stander features stylish fabric and chassis colours.

**Fabric Colours:  
Grey, Blue, Pink**



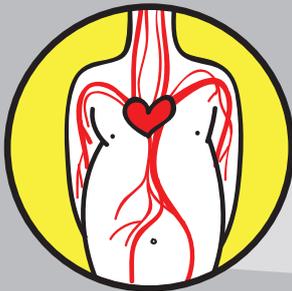
# Why Stand?



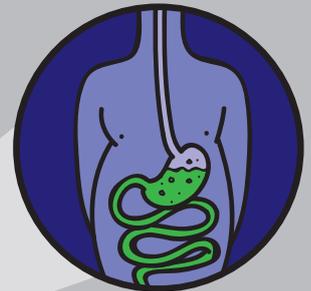
Enables kids to interact eye-to-eye with peers



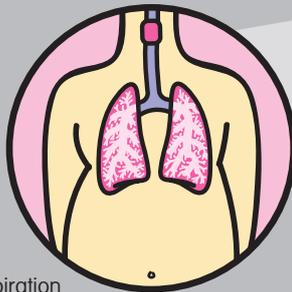
Improves wellbeing, alertness and sleep patterns



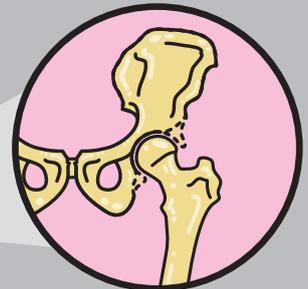
Enhances circulation and blood pressure



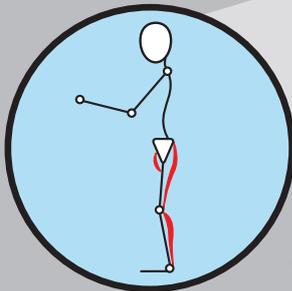
Aids digestion, bowel function and bladder drainage



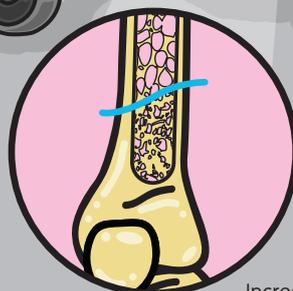
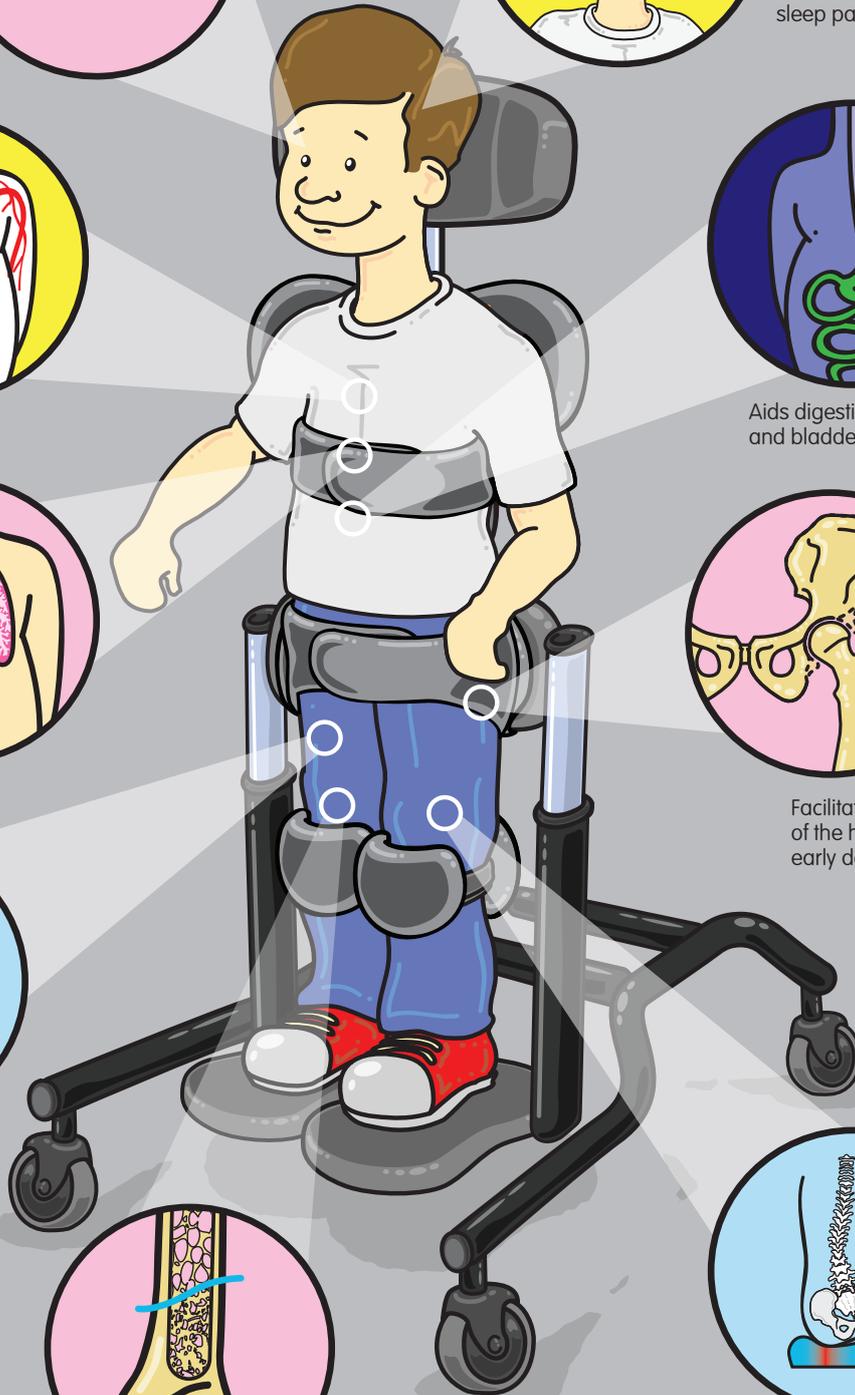
Improves respiration and voice control



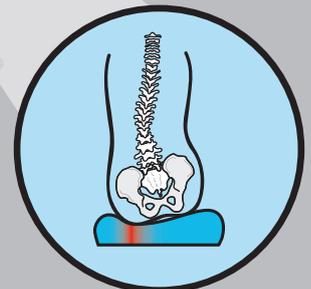
Facilitates formation of the hip joint in early development



Stretches muscles, preventing the onset of contractures



Increases bone density and reduces risk of fractures

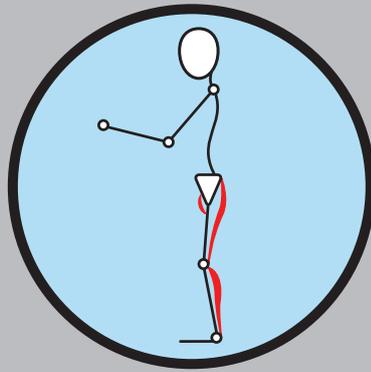


Improves skin integrity by relieving pressure encountered during sitting



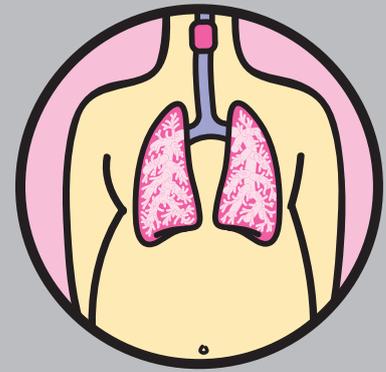
**Standing increases bone density and reduces the risk of fractures.**

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.



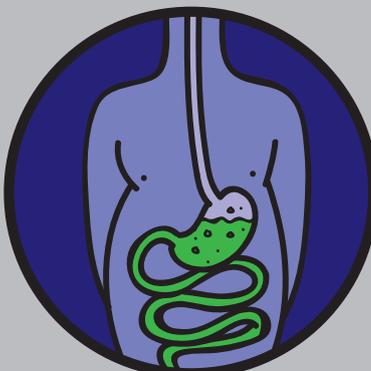
**Standing enables kids to interact eye-to-eye with their peers.**

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.



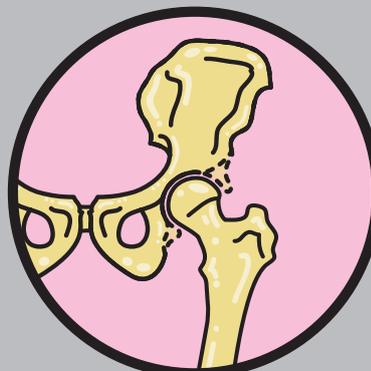
**Standing improves wellbeing, alertness and sleep patterns.**

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.



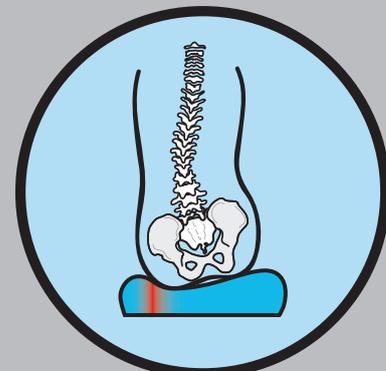
**Standing aids digestion, bowel function and bladder drainage.**

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 regularity and clearance 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.



# HORIZON STANDER

# LECKEY<sup>®</sup>



Supine setup  
(shown with optional  
accessories)

Flat head support  
(contoured available)

Adjustable chest &  
lateral support

Adjustable chest/  
back pad

Adjustable  
activity tray

Adjustable  
hip pad

New improved pelvic band  
(lateral supports available)

Angle indicator

Adjustable knee  
supports

Charging point

Independently adjustable  
footplates and sandals  
(basic, flip-up & 3D footplates available)

**The Horizon Stander  
is now available in  
three sizes.**

**Configuration**

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

**Product Sizing**

Size	1		2		3	
Age	4 - 10		9 - 18		14 - adult	
Codes	LHZ/1		LHZ/2		LHZ/3	
	mm	inches	mm	inches	mm	inches
<b>Horizon Stander</b>						
<b>Length</b>	1135	44.7	1280	50.4	1280	50.4
<b>Width</b>	580	22.8	640	25.2	640	25.2
<b>Height in Horizontal Position</b>	780	30.7	805	31.7	805	31.7
<b>Weight of Product</b>	44kg	97lbs	50kg	110.6lbs	59kg	130lbs
<b>Max User Weight</b>	50kg	110lbs	80kg	176lbs	100kg	220lbs
<b>User Standing Height</b>						
min	1000	39.4	1400	55.1	1550	61
max	1400	55.1	1800	70.9	1800	70.9
<b>Shoulder Height</b> (footplate to top of pad)						
min	820	32.3	1000	39.4	1000	39.4
max	1150	45.3	1450	57	1450	57
<b>Hip Pad Height</b> (footplate to top of pad)						
min	450	17.7	750	29.5	750	29.5
max	750	29.5	950	37.4	1150	45.3
<b>Hip Pad Width</b>						
min	175	6.9	210	8.3	310	12.2
max	270	10.6	390	15.3	470	18.5
<b>Knee Height</b> (footplate to middle of pad)						
min	250	9.8	400	15.7	400	15.7
max	450	17.7	550	21.6	650	25.6
<b>Width Between Chest Laterals</b>						
min	200	7.9	240	9.4	340	13.4
max	300	11.8	380	14.9	460	18.1
<b>Footplate Angle Adjustment</b> +/-	10°	10°	10°	10°	10°	10°
<b>Tray Sizes</b>	420 x 440	16.5 x 17.3	520 x 590	20.5 x 23.2	520 x 590	20.5 x 23.2
<b>Tray Angle Adjustment Prone Version</b>	0° to 40°					
<b>Tray Angle Adjustment Supine Version</b>	-20° to +30°					
<b>Frame Clearance (bottom of ski to ground)</b>	155	6.1	180	7	180	7



## Accessories



1. Contoured Headrest



2. Flat Headrest



3. Head Lateral Supports



4. Extended Headrest Bracket



5. Whitmyer Head Support



6. Flexible Chest Laterals



7. Flip-Away Chest Laterals (Size 3 only)



8. Supine Tray (Size 3 only)



9. Wooden Tray (Size 3 only)



10. Padded Tray Insert (Plastic tray only)



11. Grab Rail (Size 1 & 2 only)



12. Grab Post (Size 1 & 2 only)



13. Flexible Hip Laterals



14. Flip-Away Hip Laterals (Size 3 only)



15. Pelvic Band



16. Standard Knees



17. Medium/Long Knee Extension Bracket



18. Basic Footplates (Shown with sandals)



19. Flip-up Footplate (Shown with sandals)



20. 3D Footplates



21. Simple and easy-to-use hand adjustments

### Conversion kit for **supine** standing



Adjustable activity tray, pelvic band and head support

### Conversion kit for **prone** standing



Adjustable tray



Pelvic band for prone standing

### Colour Options



Grey



Blue



Pink



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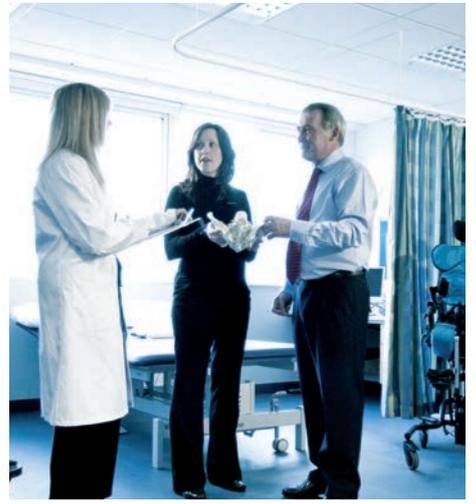
Established in 1983, Leckey is a globally recognised pioneer in the research and development of products that help adults and children with disabilities to go, do, enjoy and participate in everyday activities throughout the day and night.

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 every day. With their help, we create the dependable, durable, proven and high performance products that we are known for worldwide.





sleepfirm

24 hour postural  
care for babies,  
kids & adults.  
Sleeping, Sitting,  
Standing, Walking,  
Moving, Bathing,  
Toileting.