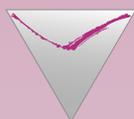


Freedom for therapists - independence for patients

www.mobilityresearch.dk



LiteGait[®]
The Original Partial Weight Bearing
Gait Therapy Device



mobility research

Products, education and rehabilitation solutions

LiteGait - the Partial-Weight-Bearing Gait Therapy Device



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LiteGait® is a gait training device that simultaneously controls weight bearing, posture, and balance over a treadmill or over ground. It creates an ideal environment for treating patients with a wide range of impairments and functional levels. LiteGait provides proper posture, reduces weight bearing, eliminates concerns for balance, and facilitates the training of coordinated lower extremity movement. Its unique harness design not only permits unilateral or bilateral support allowing progression of the weight bearing load from non to full weight bearing, but also allows the clinician to manually assist the legs and pelvis to achieve proper gait patterns.

The LiteGait family of products has provided a safe and effective environment for walking therapy for over a decade. As the original partial weight bearing therapy device, LiteGait has forever altered gait therapy techniques, as well as expectations of outcome.

- Assist Posture, Balance & Weight Bearing
- Prevent Excessive Rotation
- Facilitate Hip Flexor Tension
- Differential Control of Right vs. Left Side
- Optional BiSym Scale Measures the
- Support on Each Side
- Walk on treadmill or Over Ground
- Mobile Design Goes from Room to Room
- Train Gait under Fall-Free Conditions
- Frees Therapist to Facilitate Walking
- Wide Range of Patient Sizes & Impairments
- Lift Patients of All Sizes from Sit to Stand
- Fall-Free, Supported Walking
- Train walking forward and backwards

The adjustability built into these systems allows facilities to easily treat all their patients with the same unit. Consult the specification table on the different models to find the right unit for you.

All LiteGait models are backed by a two years warranty. When you purchase a LiteGait, you receive the service, the education, and the quality you and your clients deserve.



WalkAble the Pediatric LiteGait



WalkAble 35

Products, education and rehabilitation solutions

“WalkAble™ is specially designed for use with smaller children at home or in therapy.”

WalkAble is the smallest LiteGait® model, and is perfect for children weighing up to 50 kg. and 150 cm. tall. The harness comfortably supports the child, and the locking straps allow adjustments to be made for walking symmetry, while providing a very enjoyable walking therapy experience. The smaller, lighter design of the WalkAble allows a child to be safely supported while walking over ground or over treadmill in any environment, whether at home, in school, or in therapy.



WalkAble 35



WalkAble 50

The unique design of WalkAble allows its supportive yoke to slide easily and safely down the upright post, allowing for control of posture and balance for even the youngest children, while a redundant safety pin and two tightening knobs keep the yoke securely in its desired position. Additionally, the uniquely designed harness can be used -without modification - for both walking and crawling.

Gait therapy sessions using a treadmill at speeds as slow as 0.5 km/h have proven highly effective with the pediatric populations. In combination with the proper training program, WalkAble can help therapists and parents improve a patient’s gait patterns, posture, bal-

ance, muscle strength and overall endurance levels. WalkAble is being used successfully in homes, children centers, and rehabilitation facilities throughout the world.



WalkAble 35 & 50

Specifications	WK 35	WK 50
Max Patient Weight kg	35	50
Max Patient Height cm	140	144
Unit Max/Min Height cm	155/63	159/87
Base Inside Width cm	64/69/76 (81)	62/67/75 (86)
Overall Length cm	81	81

LiteGait KX

“As part of the next generation of the LiteGait® product line, the MX models combine the affordability and versatility of our pediatric, manual systems with the ease of use and functionality of our battery powered adult LiteGait systems.”

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A unique design allows the power lift mechanism to be built directly into the supportive arms of KX models. This preserves all of the manual adjustment available in our popular WalkAble™ pediatric units while providing 45 cm. of power lift in LG-50 KX & 100 KX. You can bring the patient from sit to stand and change the amount of support with the push of a button. The rechargeable battery-operated, light weight system provides all the functionality you need without the mess of oil pumps or cranks.

Every system comes with everything you need including one harness that fits a large range of patients. The adjustability built into these systems allows for growth potential in a single user case, and it allows facilities to easily treat all their patients with the same unit. Consult the specification table to find the right unit for you.



LiteGait 135 KX



LiteGait 50 KX

Specifications	LG 50 KX	LG 100 KX	LG 135 KX
Max Patient Weight kg	50	100	135
Max Patient Height cm	148	183	198
Power Lifts	45	45	60
Unit Max/Min Height cm	163/50	198/75	213/150
Base Inside Width cm	66/69/76	69/76/81	76/86
Overall Length cm	81	107	114

LiteGait 100 KP - Flex



LiteGait 100 KP - Flex

Products, education and rehabilitation solutions

Pediatric Therapists care for a wide range of patient sizes, infants to adult size teenagers. The amazing design of LiteGait® 100 KP - Flex allows successful treatment of the entire “pediatric” population with a single device. The design makes use of a 60 cm. inverted vertical lift column (similar to adult LiteGait models) and 60 cm. of manual adjustability of the yoke along the inverted column (similar to pediatric LiteGait models).

The advantage of the 100 KP - Flex is that it allows a pediatric therapist the freedom to treat multi-level patients with a single piece of equipment. While the standard 75 cm. inside base width* fits most treadmills and wheelchairs, and is wide enough to provide room for a therapist and infant patient to work on crawling techniques.

Included with the unit are both Junior (42,5—82,50 cm.) and Small Adult harnesses (55—112,50 cm.), together fitting patients with 42,5 to 112,50 cm. of girth. Optional Infant and Larger Adult harnesses are also available. The controllable flexibility of FlexAble yoke is also included in this design, allowing the patient to experience a more natural gait.

The adjustable yoke glides along the column to accommodate the patient’s height. The added lift column allows the therapist to bring a patient to a standing position or aid in lifting the patient on to a treadmill for therapy.



LiteGait 100 KP - Flex

Specifications	LGI 100 KP - Flex
Max Patient Weight kg	100
Max Patient Height cm	211
Power Lifts cm.	60
Unit Max/Min Height cm	229/95
Base Inside Width cm	69/76/86
Overall Length cm	107

LiteGait 135 KE - Flex



LiteGait 135 KE - Flex

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“As part of the next generation of the LiteGait® product line, the LiteGait 135 KE model provide a flexible supported environment for use with patients with all neurological, orthopedic and sports related injuries.”

The LiteGait I (LGI) models allow the therapist/caregiver to bring the patient from sit to stand and adjust the amount of postural support with a push of a button. The economical LGI-135 KE model with its single actuator and 70 cm. of lift performs equally for patients up to 135 kg. The rechargeable noiseless battery-operated system provides all the functionality you need.

Every system comes including a single harness that fits a large range of adult patients. The adjustability built into these systems allows facilities to easily treat all their patients with the same unit. An additional harness may be required to treat children. Consult the specification table to find the right unit for you.



LiteGait 135 KE - Flex



LiteGait 200 KS - Flex

Specifications	LGI 135 KE - Flex
Max Patient Weight kg	135
Max Patient Height cm	224
Power Lifts cm	70
Unit Max/Min Height cm	239/170
Base Inside Width cm	76/86
Overall Length cm	114

LiteGait 200 KS / 200 KL - Flex

LiteGait 200 K



Products, education and rehabilitation solutions

As part of the next generation of the LiteGait® product line, the 200 KL platform model combines a powerful lift mechanism with the supportive environment of LiteGait to allow an unparalleled gait therapy tool.

The platform system, with its therapist friendly ergonomics, has a double actuated lifting column with up to 100 cm. of stroke in LGI-200KL. Together with the design of the frame, this unit can lift patients up to 250 cm. tall and 200 kg. from sit to stand to step up on to the 35 cm. high platform GaitKeeper surface. The rechargeable noiseless battery-operated system provides all the functionality you need.

Every system comes with everything you need including one harness that fit a large range of adult patients. The adjustability built into these systems allows facilities to easily treat all their patients with the same unit. Consult the specification table to find the right unit for you.



LiteGait 200 K

Specifications	LG 200 KL - Flex	LG 200 KS - Flex
Max Patient Weight kg	200	200
Max Patient Height cm	238	225
Power Lifts cm	100	80
Unit Max/Min Height cm	260/164	240/159
Base Inside Width cm	86	76/86
Overall Length cm	122	122

“All LiteGait models are backed by a two years warranty. When you purchase a LiteGait, you receive the service, the education, and the quality you and your clients deserve.”

LiteGait 250 KL - Flex

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As part of the next generation of the LiteGait® product line, the 250 models combine a powerful lift mechanism with the supportive environment of LiteGait to allow an unprecedented gait therapy tool for larger, more impaired patients.

You can bring the patient from sit to stand and change the amount of support with a push of a button. The double actuated column lifts twice as fast when both motors are engaged. Two actuator columns combine to allow large lift strokes of up to 100 cm. The rechargeable noiseless battery-operated system provides all the functionality you need.

Every system comes with everything you need including one harness that fit a large range of adult patients. The adjustability built into these systems allows facilities to easily treat all their patients with the same unit. Consult the specification table to find the right unit for you.

“When you purchase a LiteGait, you receive the service, the education, and the quality you and your clients deserve.”



LiteGait 250 KL - Flex



LiteGait 250 KL - Flex

Specifications	250 KL - Flex
Max Patient Weight kg	250
Max Patient Height cm	228
Power Lifts cm	100
Unit Max/Min Height cm	246/152
Base Inside Width cm	86
Overall Length cm	122

LiteGait Accessories

Products, education and rehabilitation solutions



Crawling Harness

Harness

One of the most crucial components of the LiteGait design is the harness. A successful treatment session requires a proper harness placement.

Comfort and proper fit is affected by harness age which adversely affects the nylon straps. More importantly, safety is affected by the wear and tear that occurs due to use and repeated washing. Most supporting stitches are hidden behind the exterior covering and not visually examined.

While the harness wrap and groin pieces may stay together and be used for a very long time it is advisable to replace them every two to three years.

Additionally, new harnesses for short torsos or (long) floppy upper trunk or larger girths and different populations are available. Thigh straps and crawling harnesses are a few of new add-ons you may find useful as well.



Harness and Groin pieces



Leg straps



Crawling Harness



Diaper Harness



Crawling Harness

Harness Specifications	Girth cm	Height cm	Lenght cm	Width cm
WalkAble	40-82,5	20	15 20 22	2,5
Junior	42,5-83,5	20	15 20 22	2,5
Small adult	55-112,5	23	22 26 32	3,75
Standard adult	62,5-150	27	22 26 32	3,75
LG 250	105-210	36	40 47	3,75

Accessories

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FreeDome Yoke

FreeDome Yoke

The FreeDome is an accessory that incorporates a rotational pivot allowing the patient/user to freely rotate in place beneath the yoke while remaining securely supported by the same harness.

FreeDome is compatible with all LiteGait models (less than 12yrs old) and attaches to existing yoke. The FreeDome can be locked in four positions (90-degree increments) allowing patient to walk sideways or backward on or off the treadmill, or simply walk with assistance when facing out of the LiteGait.



FreeDome Yoke

“The Freedom yoke is a modification to (innovation for) the LiteGait yoke which I have been looking forward to for years. It works effortlessly (simply & easily) to change the patient’s position from walking forward, to sidestepping, or even walking backwards. I look forward to using it with many of my patients to challenge their weight-shifting and walking abilities. The freedom yoke would be number one on my list of recommended options to purchase for the LiteGait.”

Philip J. Koch, Physiotherapeut
Long Island Pediatric Physical Therapy, PC

BiSym®

One of our most popular upgrades is the BiSym, a unique option available with LiteGait® to measure unilateral or bilateral support. LiteGait®’s special design includes a two-armed yoke which holds the patient above each shoulder.



From these two points, the harness system can be adjusted to provide as much or as little support required to each side of the body. The range of support can vary on each side from full to no support. Check with our product advisors to see if your current yoke is BiSym ready, then all you have to do is add the box! If it is, then the upgrade is as easy as ordering a new yoke with BiSym.

Gaiter stool®

The Gaiter Stool™ attaches directly to the base of LiteGait® and provides a safe, effective means of assisting patients working over the treadmill or over ground.

The Gaiter Stool is highly adjustable for improved ease and comfort. The unique design of LiteGait enables safely supported training of balance, posture and locomotion, while allowing the therapist to observe, evaluate, and correct current gait patterns, manually manipulate limbs, and weight shift to accomplish proper gait patterns.



Patients in LiteGait can easily be moved from over treadmill gait therapy to over ground walking, aiding in the transfer of the newly developed gait patterns.

AutoStep

- designed by therapists and their patients



AutoStep™, developed from a prototype created by two pediatric physical therapists, is an exciting new device designed to assist therapists in the therapeutic treatment of gait with a variety of patients, from the high functioning patient who needs to work on the refinement of gait to the very low functioning patient who is unable to take independent steps.

AutoStep helps to cue proper stepping patterns in many patients. It can be attached to LiteGait or different types of walkers.

AutoStep reduces the burden of facilitation of gait for both pediatric and adult patients using walkers over ground, or LiteGait® over ground or over treadmill, while providing a constant symmetric cue for the patient to achieve a more symmetrical gait pattern.



- Attaches to many walkers - including all Rifton® Pacers*
- Works with most LiteGait models - on and off the treadmill
- Multiple modules for different step lengths
- Allows therapist increased freedom to facilitate proper gait
- Accomodates patients with high or low tone with an adjustable tension band
- Allows both hip and knee flexion for LE advancement
- Allows therapist to maintain proper body mechanics
- Promotes increased stride length
- Promotes dissociation of the LE's
- Promotes foot clearance during swing phase
- Designed to assist and train symmetrical stepping
- Focuses on an equal stride length bilaterally
- Allows for dynamic stretching/ROM for legs

Adjustable tension bands from the device attach to the patient's feet and, through movement of the walker or LiteGait over ground or the device itself on the treadmill, it is able to promote an increased step length as well as facilitating lower extremity advancement and foot clearance. It also can be used as a tool to improve dissociation of the lower extremities, and provide a dynamic/active stretch to the legs. Most importantly with the tension bands attached to the feet and facilitating foot clearance and advancement, it gives the therapist the freedom to facilitate increased weight shifting, hip extension, stability in stance, and much more, all while maintaining proper body mechanics.

Specifications	AS-S	AS-M	AS-L
Step length cm	30	45	52,5

Mobility Device



Mobility Research is proud to announce the arrival of the much anticipated Mobility Device™ (MD). The MD is all you have come to expect from LiteGait®, but now in the form of a walker. This is the first Supported Ambulation Assistive device of its kind! A walker that lifts and supports, the MD allows patients with a wide range of impairments to walk over ground safely.

The goal has always been to design products that will allow both the clinician and the patient to accomplish more - more facilitation by therapists, and more practice

by patients. To make this effort easier, the MD is a tool designed to assist both patient and therapist. The MD can be utilized to bring patients from sit to stand with the simple push of a button, and allow them to safely ambulate. The easy to use harness simplifies the process of getting patients upright, and assists balance during ambulation for a confidence building experience.

Two models are available. The MD 100 can accommodate patients up to 100 kg. and 180 cm. tall, but is also suitable for children, while the MD 160 is rated for patients up to 160 kg. and 190 cm. tall.



- Brings patients weighing up to 100 kg. (larger sizes also available) from sit to stand with a push of a button. This allows the patient the ease of getting in and out of a chair or wheelchair, as well as on and off a toilet.
- Easy to load patients.
- Safety harness can be applied to prevent slippage and falling.
- Rolls easily in home or therapy settings.
- Fits through most doorways.
- Battery powered

Specifications	MD 100	MD 160
Max Patient Weight kg	100	160
Max Patient Height cm	178	193
Vertical lift cm	58	69
Base inside width cm	64/69/76	64-86

VitiUp

Therapeutic Safe Easy Fun

VitiUp

Makers of LiteGait® are proud to announce the new Virtually Induced Therapeutic Intervention product line. VitiUp is an upper body exercise program set in a game-like environment. Patients of many diagnoses and functional levels will benefit from the upper body exercises in seating or standing position.

VitiUp adopts the latest computer graphics and imaging technology. Patients are placed in a virtual environment to experience different visual and auditory stimuli. In addition, the virtual scene can help gently guide the patient in a specific motor task. Patients can exercise individually at their own level while safely standing or seating in front of the camera. It is sure to increase efficiency of therapy as patient works actively to produce many upper body movements.

VitiUp

- 9 EXERCISE/GAMES
- UPPER LIMB MOVEMENT THERAPY
- EYE HAND COORDINATION TRAINING
- RANGE OF MOTION TRAINING
- TRUNK STABILITY TRAINING
- CROSSING MIDLINE TRAINING
- BALANCE TRAINING



Handmentor Pro Improving Life After Stroke



Handmentor Pro

The Mentor Pro™ consists of an electro-mechanical apparatus (a robot) that is secured easily to the patient's forearm, wrist and hand. A patent-pending pneumatic muscle provides both movement and resistance in a manner that simulates the behavior of human muscle. The mechanical compliance inherently engineered into this mechanism provides an unmatched degree of safety for patients in the early stages of their recovery with muscle and joint restriction.

This apparatus is connected to a computer-based control unit that delivers therapy through a series of computerized, game-like exercises. The creation of an enjoyable, engaging therapy that overcomes the monotonous nature of repetitive-action neurological rehabilitation is a crucial element in Mentor's success. This feature encourages patient compliance and ultimately better outcomes. The systems use three different types of feedback to control the 'game' and maximize patient recovery. These include force, position, and electromyography (EMG). This improves the opportunity for the systems to be effective for a wide range of patients.

The system can facilitate motor skill improvement in lowfunctioning patients with very limited muscle movement or high functioning patients that can use EMG activation, which senses muscle electrical activity, to refine and strengthen specific motor controls.



- Air Muscle Powered
- Robotic Assisted Therapy
- Mimics Real Muscle Properties
- Efficient and Safe Therapy Environment
- Active Repetitive Movement (ARM)
- Repetitive Tasks Practice
- Neuromuscular Re-Education
- Fun Exercise Increases Compliance
- Adjust Effort Level with Progress
- Game Like Environment
- Real Time Visual Feedback
- Individualized Therapy
- Home Exercise Program
- Chart Progress

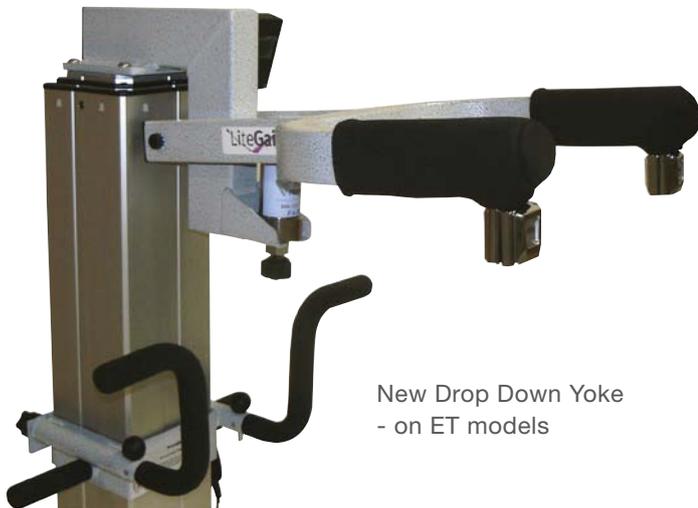


Each therapy game includes multiple levels of difficulty. This means the Mentor Pro™ controller can deliver individualized therapy for each patient by recognizing their level of performance and automatically increasing or decreasing the therapy intensity to meet their needs. This provides the basis for continuous advancement of the patient's rehabilitation in a controlled and consistent manner. The controller records each patient's therapy data and performance so that patient progress can be accurately measured over time.



LiteGait

- not just an effective tool, but an intelligent solution!



New Drop Down Yoke
- on ET models

LiteGait®
The *Original* Partial Weight Bearing
Gait Therapy Device

Model	Max Patient-Weight kg	Max Patient Height	Vertical Lift cm	Total length cm	Base Inside Width cm
LG 35 KW LG 50 KW	35 50	140 144	Manual 71 Manual 93	81 81	64/69/76/81 64/69/76/81
LG 50 KX LG 100 KJ LG 100 KX	50 100 100	148 186 183	46 73 50	81 107 107	64/69/76/81 71/76/86 69/76/86
LGI 100 KP	100	211	71/+manual 60	107	69/76/86
LG 135 KX LGI 135 KE	135 135	198 224	64 69	114 114	76/86 76/86
LGI 200 KS LGI 200 KL	200 200	225 238	80 100	122 122	76/86 86
LGI 250 KL	250	228	100	122	86

All Models can be made in custom made sizes.

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