The Way To Walk.

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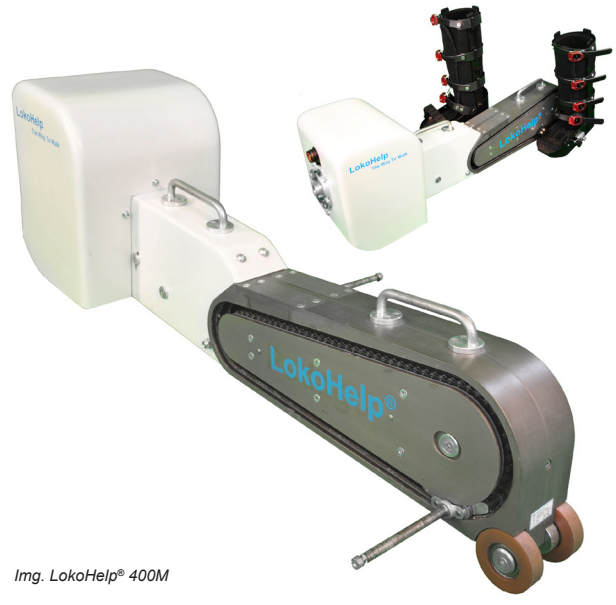
Automated Treadmill Therapy: The LokoHelp®

Treadmill therapy - particularly with a patient who is severely impaired - can subject the therapist to increased physical exertion, uncomfortable body positions and the pain of overexertion. Regardless of the possible discomfort, the therapist wants to give the patient the best possible treatment and is therefore willing to accept the strain as part of the task. Despite the significant effort necessary in order to guide the patient's feet consistently and symmetrically, often this is possible only for a short period of time. Rarely can it be provided throughout an entire training session. Therefore, given the number of repetitions and the fact that trigger mechanisms are so important for the locomotor training program, the therapist can and should be supported. The LokoHelp® gait trainer fulfills this important objective.
It allows the therapist to face the patient directly, motivate him or her through verbal instructions and properly correct the execution of each exercise.



Img. LokoHelp® 400M

Patented "End Effector" Gait Trainer

The LokoHelp® is an electromechanical gait-training system based on the "end effector" principle. The mechanical support of the standing/swinging-leg cycle is accomplished by using the feet as the last link in the kinematic chain. The patient should not be moved passively but should instead work along with the machine as much as possible. Ideally, the extensions of the knee and hip should be controlled by the patient.

Postural Training Functionality

Postural control, in addition to the movements of the standing and swinging legs, is essential for the ability to walk on the ground independently. Consequently, during LokoHelp® training the patient's trunk and pelvis are not rigidly fixed. Thus, additional postural requirements can be identified for patient training through appropriate exercises.

All-sides Access

The LokoHelp®'s design facilitates added support from the therapist whenever necessary. The patient's hip and knee joints, as well as the anterior and posterior thigh muscles, are accessible from all sides during LokoHelp® training.

A Longer, More Effective Therapy Session

The LokoHelp® also facilitates quick, trouble-free patient preparation. The patient in turn benefits from the shorter setup time, and each scheduled session is more productive.

The Multifunctional Therapy System

The quick removal of the LokoHelp® gait trainer makes it easy to use the treadmill and weight support system for other applications. The main components - treadmill, weight support and gait trainer - encourage the more effective application of therapy in all phases of gait training.

Cost Savings

LokoHelp® therapy dramatically reduces the time and expense associated with the training of therapy personnel. Accordingly, given the short preparation time, more efficient throughput can be achieved. The LokoHelp® system is affordable and inexpensive to operate, and it pays high dividends through more productive therapy sessions.

Physical and Performance Specifications

Gait Trainer Principle	Electromechanical end effector gait trainer
Drive System	Servo drive controlled via master & slave arrangement.
Speed Range	0 - 2 km/h max., electr. synchronized speed adjustment via incremental sensor.
Inclination Range	Dependent on treadmill configuration
Display	Control box with touchscreen display
Stride Length	LH 300M: 300 mm LH 400M: 400 mm
Lower Leg Orthoses	1 pair included (available for children and adults)
User Weight Capacity	LH 300M: 60 kg LH 400M: 150 kg
Power Supply	220-240V 50/60 Hz (16A fuse)
Total Dimensions (LxWxH) Control Box	40 x 25 x 60 cm
Weight	LokoHelp® LH 300M: 45 kg LokoHelp® LH 400M: 50 kg Control Unit: 34 kg
WOODWAY Warranty	1 year full warranty incl. labor

Authorized WOODWAY Distributor:

Please check our valid pricelist for available options.

Full compliance with the legal requirements for medical products in the European Economic Area (CE marking)
The LokoHelp® gait trainer complies with the Medical Devices Directive (MDD 93/42/EEC, last amended by 2007/47/EC).