

Lokomat[®] Nanos



Functional Locomotion Therapy

We move you

Lokomat® Therapy

The Lokomat, which has initially been developed in close cooperation with the Spinal Cord Injury Centre of the Balgrist University Hospital, is a robotic gait orthosis that assists walking movements of gait-impaired patients – whether the cause of the impairment is cerebral, spinal, neurogenic, muscular, or osseous – and is used to improve mobility in neurological patients.

Successfully applied in leading rehabilitation centers worldwide

This modern therapy approach has established itself as an effective intervention for improving over-ground walking function in patients suffering from neurological diseases and injuries. It also provides all possible options to perform effective gait training according to the latest findings of neurorehabilitation:

- The *natural and reproducible gait pattern* that is provided by the Lokomat is crucial, especially in the first periods of rehabilitation.
- The *high training intensities* that you can induce with the Lokomat are known to lead to faster therapy progress.
- As *motivation* is crucial for a good therapy outcome, and *feedback* is important for motor learning, the Lokomat provides biofeedback on the current gait activity of the patient.
- Furthermore the patient obtains *natural sensory information* through the feet while stepping on the treadmill, which is an important contributor to *motor relearning*.

The Lokomat therapy provides patients with repetitive, effective and motivating gait training. Besides all scientific reasons, allowing patients to walk with a robotic gait orthosis already motivates them by giving back the sensation and emotion of walking.



	Lokomat® Pro	Lokomat® Nanos
Pediatric Orthoses	Yes, optional	No
Augmented Performance Feedback	Yes	No
Biofeedback	Yes	Limited
Guidance Force	Yes	Limited
Training programs	Yes	No
Assessment Tools	Yes	No
Manual therapy	Yes	No

Lokomat® Nanos

The LokomatNanos offers basic training modality to automate locomotion therapy on a treadmill and considerably improves the training efficiency for non-ambulatory patients and ambulatory patients compared to manually assisted therapy.

The advantages of the LokomatNanos gait therapy

- The LokomatNanos provides all necessary features to perform robotic gait training.
- With the basic functionality the device is easy to use.
- An integrated walking indicator monitors the patient's gait activity in real-time to motivate the patient for active participation.
- The continuously adjustable level of gait assistance, the Guidance Force (for each leg between full and zero Guidance Force), allows to adapt training conditions to the individual levels of the patients.
- With its compact dimension, this addition to the Lokomat product line is adapted to reduced space conditions and is the right therapy solution for out-patient as well as in-patient centers.



	Lokomat® Pro	Lokomat® Nanos
Dimensions	Space (L x W) <ul style="list-style-type: none"> • 325 cm x 155 cm (swivel door closed) • 350 cm x 214 cm (swivel door open) Height <ul style="list-style-type: none"> • 239 cm without extension • 246 cm with extension 	Space (L x W) <ul style="list-style-type: none"> • 280 x 153 cm (swivel door closed) • 305 x 212 cm (swivel door open) Height <ul style="list-style-type: none"> • 239 cm without extension • 246 cm with extension





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