

WE MOVE YOU



Lokomat®Pro

# RELEARNING TO WALK FROM THE BEGINNING

# EFFECTIVE GAIT TRAINING

Robot-assisted therapy enables effective and intensive training and ensures the optimal exploitation of neuroplasticity and recovery potential.

## MOST PHYSIOLOGICAL GAIT

The physiological gait pattern is ensured by the individually adjustable exoskeleton combined with the patented dynamic body weight support system.



### LEARN FROM YOUR PEERS!

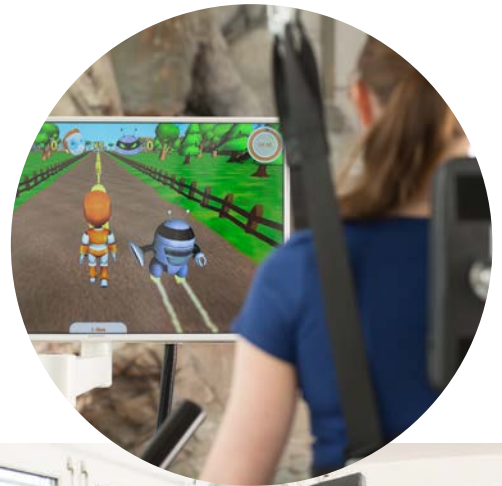
For more information about Clinical Evidence, Education and Experiences with Hocoma solutions visit [knowledge.hocoma.com](https://knowledge.hocoma.com)

## OPTIMAL PATIENT CHALLENGE

During rehabilitation, patients need to be challenged at and beyond their individual capabilities. Speed, loading and robotic support can be adjusted to optimally shape the intensity of the therapy.

Patients are motivated to reach their goals with various game-like exercises. Their level of activity influences the performance of the task, the gait pattern and the speed.

This Augmented Performance Feedback (APF) maximizes the effect of Lokomat gait training. Studies have shown when using APF, muscle activation and cardiovascular exertion can be considerably increased.



## INCREASED EFFICIENCY

The Lokomat allows therapists to focus on the patient and the actual therapy. It enhances staff efficiency and safety, leading to higher training intensity, more treatments per therapist and consistent, superior patient care.

## STATE-OF-THE-ART GAIT REHABILITATION

Patients are increasingly more informed about what the most effective and efficient therapy is, and they use this information to decide where to go for their rehabilitation.

All patients look to receive the most effective training possible and the Lokomat ensures high quality and repetitive gait rehabilitation—a great reason why a patient might decide on your clinic.



## WHAT EXPERTS SAY

### Tamsin Reed

Physiotherapy Clinical Lead,  
The Wellington Hospital, UK

“ We’re able to get patients walking up to 30, 40 minutes, which is a massive difference compared to what we’re able to do without the Lokomat. One aspect that I personally like is the fact that the robot and the treadmill change speed according to the effort that the patient is putting in. I found that to be really beneficial and motivating to the patients. ”

## WHAT PATIENTS SAY

### H.B.

Patient post stroke

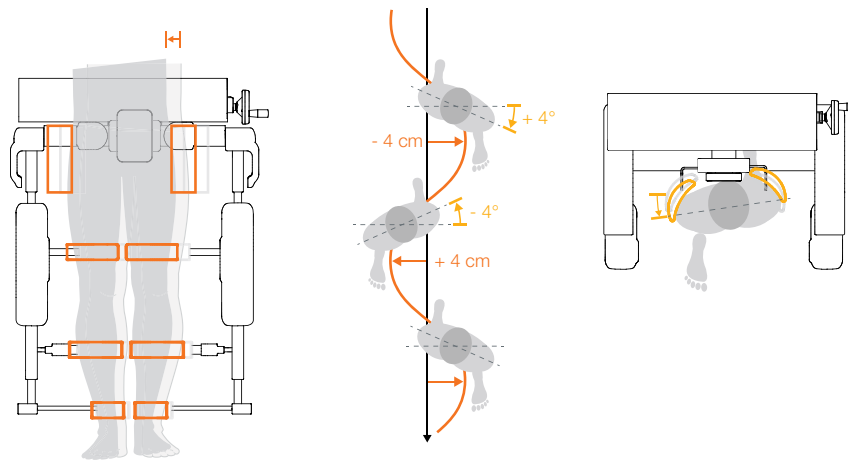
“ Training with the Lokomat is diverse and exciting because I can control the directions myself with the amount of strength I put in. And with the FreeD I have even more freedom of movement. ”



# LATERAL FREEDOM

The optional **FreeD module** improves therapy by allowing for lateral translation and transverse rotation of the pelvis. The patient's ability to shift their weight completely over their stance leg and thereby activate their core muscles and experience balance aspects is crucial in relearning to walk independently. Available for adult and pediatric orthoses.

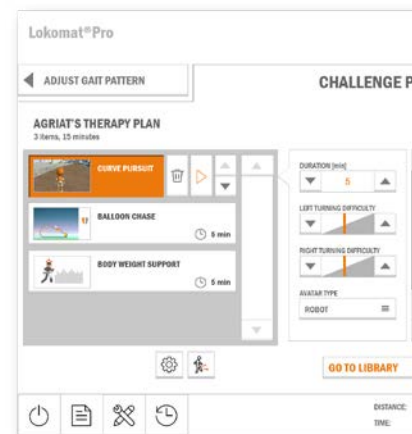
- Lateral translation
- Traverse rotation



# LET'S GO

The **new software** includes a very easy workflow, new features and brand new exercises.

- Improved Workflow
- Therapy Plan
- Activity Calibration
- New Avatars
- New Exercises



# CHILD'S PLAY

The LokomatPro can be fitted with standard orthoses for adults or with **pediatric orthoses**, which are available as an optional module.

The pediatric orthosis are designed to accommodate small children by offering a special set of harnesses and cuffs that provide a precise fit for patients with femurs between 21 and 35 cm (8.3 – 13.8 in). The two interchangeable sets of orthoses can be easily swapped out by the therapist and both offer the same wide range of therapy benefits.



Augmented Performance  
Feedback

Dynamic Body Weight  
Support

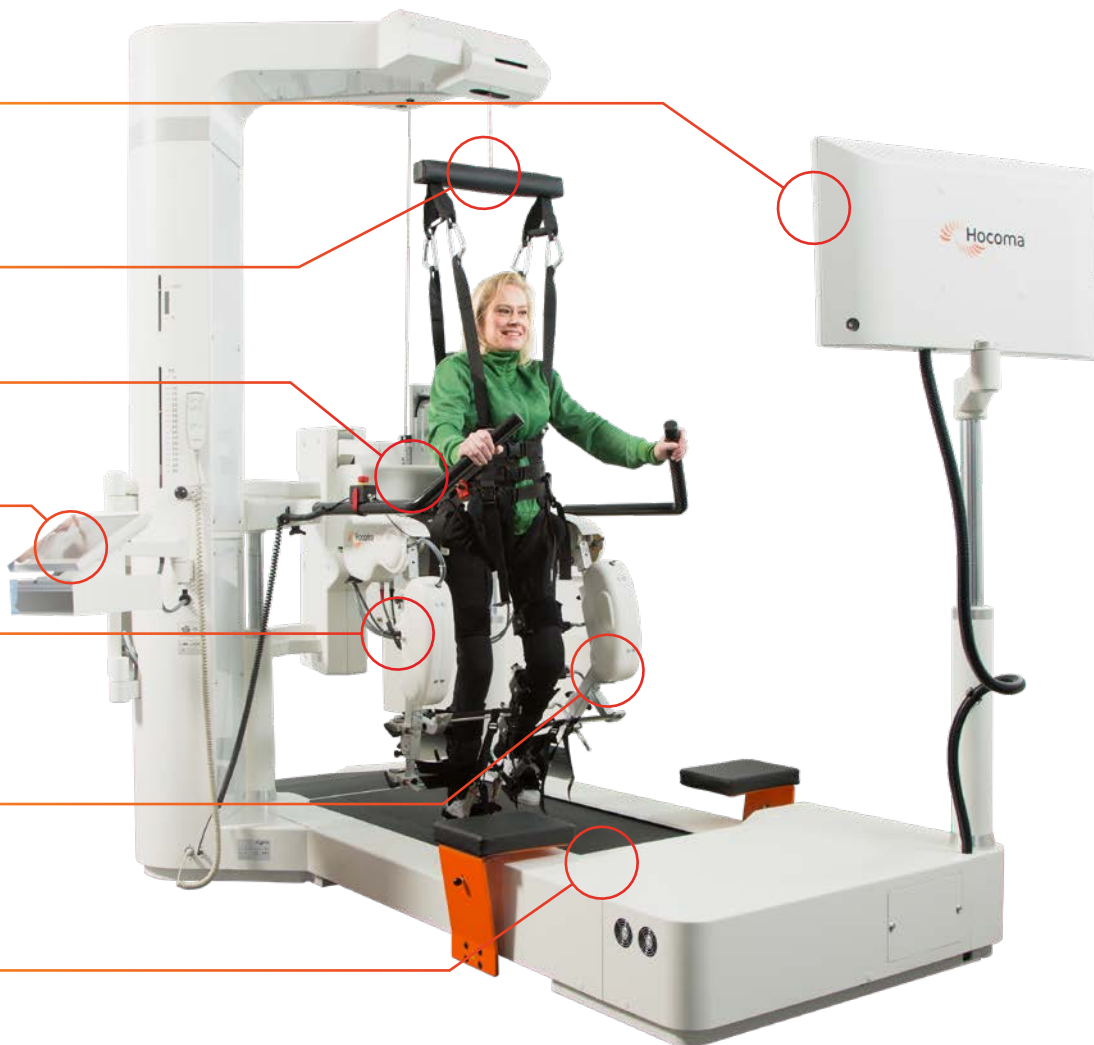
Optional FreeD

Intuitive User Interface

Adjustable Robotic  
Gait Orthosis

Optional  
Pediatric Orthosis

Treadmill



## DIMENSIONS

- Space [L x W]:
  - 325 cm x 155 cm (127.95 x 61 in.) (swivel door closed)
  - 350 cm x 214 cm (137.8 x 84.3 in.) (swivel door open)
- Height (without FreeD module):
  - 239 cm (94.1 in.) without extension
  - 246 cm (96.9 in.) with extension
- Height (with FreeD module):
  - 247 cm (97.2 in.) without extension
  - 254 cm (100 in.) with extension
- Weight: 1000 kg (2204 lb.)

## SPACE REQUIREMENTS

- Without FreeD module [L x W x H]:  
5 m x 4 m x 2.5 m (196.9 in x 157.5 in x 98.4 in)
- With FreeD module [L x W x H]:  
5 m x 4 m x 2.6 m (196.9 in x 157.5 in x 102.4 in)

## PATIENT REQUIREMENTS

- Patient weight max. 135 kg (297.6 lb.)
- Patient height max. 200 cm (78.74 in.)  
193 cm (75.98 in.) without extension

## PRODUCT DISCLAIMER

All Hocoma products are medical devices and must be used in strict adherence to the User Manual; failure to do so may result in serious personal injury. It is strongly recommended that you regularly consult Hocoma's website ([www.hocoma.com/legalnotes](http://www.hocoma.com/legalnotes)) for the latest available information. Please contact Hocoma should you have any questions. Use only under the supervision of qualified medical personnel. However, certain Hocoma products are marketed for home use and must be strictly used according to the recommendations of your medical care provider who is knowledgeable about your specific needs. Consult the User Manual and Hocoma's website ([www.hocoma.com/legalnotes](http://www.hocoma.com/legalnotes)) for appropriate product designation. Failure to obtain and follow the recommendations of your medical care provider may result in serious personal injury. This information provides details about medical products which may not be available in all countries and may not have received approval or market clearance by all governmental regulatory bodies throughout the world. Nothing herein should be construed as a solicitation or promotion of any product or of an indication of any specific use for any product which is not authorised by the laws and regulations of the country where the reader of this information resides.

# WE ARE THE TOTAL SOLUTION PROVIDER FOR REHABILITATION

We offer efficient solutions and services with advanced technologies for human movement therapy across the entire continuum of rehabilitation: from severe to mild impairments and from acute treatment to continuous training at home. All our solutions are developed, manufactured and continuously improved in close cooperation with researchers, clinical partners and customer feedback.

## THE CONTINUUM OF GAIT REHABILITATION

Discover our extensive portfolio of Gait and Balance solutions.



### ERIGO

The unique medical device for safe and early mobilization, combining gradual verticalization, leg mobilization, and intensive sensorimotor stimulation through cyclic leg loading.



### LOKOMAT

The world's leading robotic medical device that provides highly repetitive physiological gait training – especially to severely impaired patients.



### ANDAGO

The Andago bridges the gap between treadmill-based gait training and free overground walking.



### C-MILL

The instrumented treadmill to evaluate human gait and balance, and to train (impaired) gait and balance using treadmill movement, augmented reality and virtual reality.



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