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Diego

Robot-assisted arm-shoulder training



Robotic arm-shoulder therapy for upper extremity rehabilitation

Movement is at the heart of everyday life. **Diego is a robotic arm-shoulder therapy system** designed to support the rehabilitation of patients with impaired upper extremity function.

With intelligent weight relief and innovative patient connection, Diego enables therapy in three-dimensional space. From proximal and distal training to practicing everyday activities, Diego offers versatile therapy options for children and adults.



Engineered, designed and manufactured in Austria

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Why Diego?

- **Backed by clinical guidelines**
  Robot-assisted therapy is recommended for patients with moderate to severe arm paresis.
- **More therapy flexibility**
  Unilateral and bilateral arm therapy in one device.
- **More freedom in therapy**
  The end-effector design enables hands-on therapist support.
- **More time for therapy**
  Short patient setup keeps preparation to a minimum.

Key Characteristics

Moderate Severe | Upper Body | Proximal | Distal | Sensor | Robotic | Gamification | Active, Passive Assistive

Therapy Features

Intelligent technology that supports therapists and motivates patients throughout every stage of upper limb rehabilitation.

Short Setup Time
Designed for quick and straightforward patient setup.

Intelligent Weight Relief
Adjustable gravity compensation from 0.4 kg to 3.6 kg per arm, tailored to individual therapy goals.

Objective Assessments & Reports
Provide objective outcome measures and clinical documentation.

Motivating Therapy Modes
Over 30 therapy programs keep patients engaged.

Unilateral & Bilateral Training
Combined in one system with seamless switching.

Assistive & Interactive Therapy
Intelligent weight relief supports interactive, repetitive movement training.

Task-Oriented Training
Practice everyday movements through functional exercises.

Therapist Hands-On Accessibility
End-effector design allows therapist assistance whenever needed.

For Children & Adults
Suitable for children from the age 5 as well as adults across all rehabilitation phases.

Virtual Reality Therapy
Optional VR creates immersive and motivating therapy experiences.

Visualizing Therapy Progress
Real-time feedback visualizes progress and supports goal-oriented therapy.



The Story behind Diego

Inspired by football legend Diego Maradona and his famous “Hand of God” moment. Diego stands for purposeful upper limb movement and the relearning of everyday arm and shoulder function.

More Efficiency.
Better Outcomes.
Greater Motivation.


One device
for children,
adolescents
and adults.

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Diego in Practice

Natural movement range	Diego allows active training at the patient's individual capacity in a three-dimensional space. Making therapy feel less like training.
Versatile usage options	Diego can be used by adults and children alike. Besides screen-assisted therapy, activities of daily life can be practiced when facing away from the screen as well.
Intelligent weight relief	The therapist sets the weight compensation to match each patient's ability. Even patients with limited strength can train actively — support that can be adjusted as they progress.

Diego VR

Optional VR integration transforms repetitive exercises into immersive and motivating therapy experiences.

Virtual reality therapy immerses patients in motivating virtual environments that encourage active participation.

Functional, task-oriented exercises promote meaningful movement practice while increasing patient engagement throughout the therapy session.



Expand your Diego experience.
VR is available as an optional add-on.

TyroS

Developed in close collaboration with therapists, TyroS is the heart of the Tyromotion ecosystem. It seamlessly connects devices, therapy programs, patient data, and documentation in one intuitive platform.

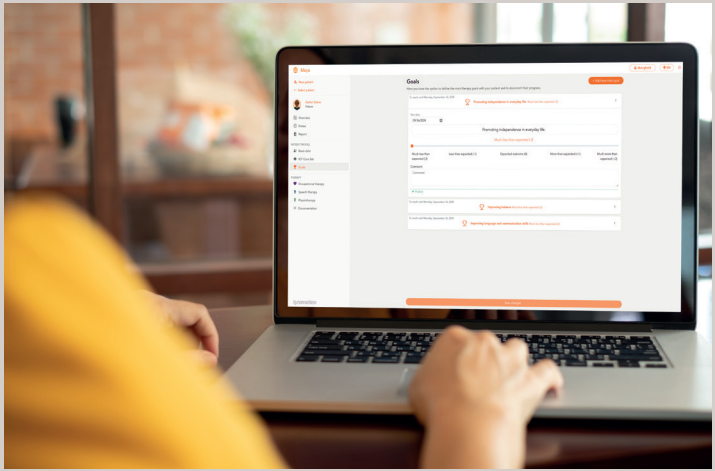


Key Benefits

- One software for all Tyromotion devices
- Comprehensive patient management and progress tracking
- Automated reports and documentation
- Task-oriented training based on motor-learning principles
- Engaging therapy through motivating therapeutic games

Patient Management

Maya* brings clinical and therapeutic information from different devices and therapy disciplines together **in one central platform.** It provides a comprehensive view of patient data, therapy sessions, and progress – supporting structured documentation and interdisciplinary collaboration.



* Optional software solution

Key Benefits

- Centralized patient and therapy data
- Comprehensive view across devices and therapy disciplines
- Clear visualization of progress toward the patient's therapy goals
- Structured reports and documentation
- Supports interdisciplinary collaboration

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Training & Service

Clinical Training

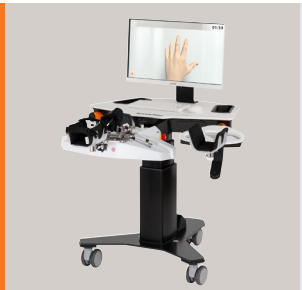
Expert guidance for clinical success. Empowering therapists with expert knowledge. Hands-on training and clinical support from experienced occupational and physiotherapists.

Technical Service

Reliable service throughout the device lifecycle. Comprehensive technical service to keep your therapy systems running at their best.



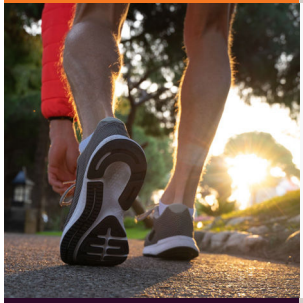
Upper Extremity

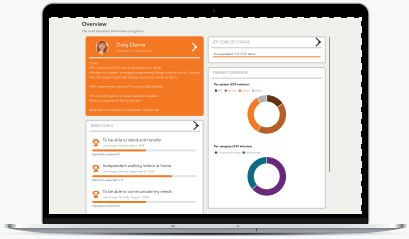


Amadeo
finger & hand





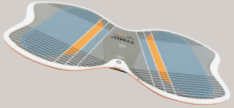




Maya, focus on what really matters: The Patient.

Full Body

Re-Health Technology



Tymo
balance & posture



Elvis
standing & dynamic balance trainer

tyromotion

Diego
shoulder & arm



Myro
interactive & task specific therapy



Get better every day



Pablo
functional rehabilitation



Tyrostation
the perfect therapy setting



Lower Extremity



Lexo
gait & locomotion



Omego Plus
gait training

Research

Evidence that moves neurorehabilitation forward.

Together with clinicians, therapists, and researchers worldwide, we continuously validate and advance our evidence-based rehabilitation technologies. Explore clinical research findings from studies using Diego below.

Diego provides accurate and individualized movement challenges. [1]

VR rehabilitation can significantly improve cognitive outcomes. [2]

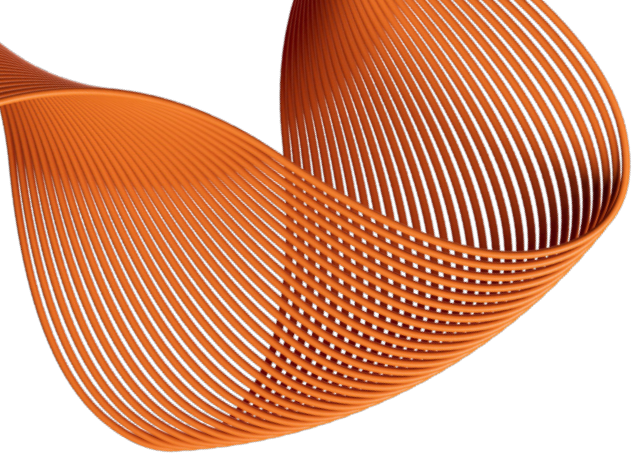
"The patients just loved the Diego. I think it was because it distracted from that whole deficit-based model." (Social Worker) [3]

1. Mackenzie L, Tan E, Benad L. Computer-assisted robotic device for upper limb interventions for a patient with an incomplete cervical level spinal cord injury. BMJ Case Rep. 2023 Oct 6;16(10):e253570.

2. Sharma A, Sharma A, Jain S, Gupta A, Sinha VD. Cognitive Outcomes following Virtual Reality Rehabilitation in Patient with Traumatic Brain Injury: A Prospective Randomized Comparative Study. Indian Journal of Neurotrauma 2025; 22(01): 059-064.

3. Mackenzie L, Tan ESZ, Benad L. An evaluation of the feasibility and clinical utility of the Diego™ computer-assisted robotics device for use with people with a cervical spinal cord injury in the acute setting: a mixed method pilot study. Disabil Rehabil. 2025 Nov;47(23):6135-6145.

Explore all Diego studies



Diego: A Robotic Arm-Shoulder Rehabilitation for Everyday Movements

Get better every day

Do you have questions?
Our Sales Team is happy to help.

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More information
about the product "Diego"

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