Dessintey

IVS3 & IVS4

Intensive Visual Simulation System

Origin: France
Certificate: CE Class 1, IEC 60601-1

1 IVS4 for Lower Limbs

Adapted to wheelchairs, IVS4 allows patients to work seated to learn basic movements and more complex coordinations, then in a standing position for a functional approach to balance and walking.

2 IVS3 for Upper Limbs

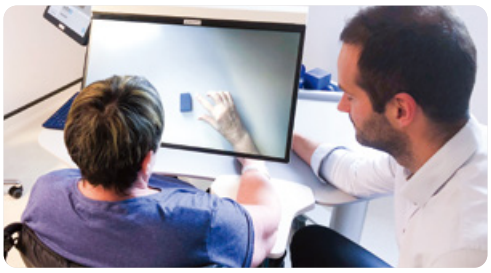
The IVS3 system is an innovative rehabilitation device based on the fundamental principles of visuomotor simulation training. The system generates visual illusions, a unique technology dedicated to action oberservation, motor imagery and mirror therapy.

Features

- To work specifically on action planning, potential of actions, motor planification and motor recovery
- Relearn the movement by stimulating brain plasticity
- Reduce spasticity, promote body awareness recovery, and alleviate central pain in patients
- Intense immersion allowing the patient to focus on their movement
- Early start of therapy in the rehabilitation process, accessible flaccid patients
- Unilateral work and attention focused on the injured limb only
- Fine-tuned dexterity work: meticulous tweaking of the movements worked, amplitude and speed
- Construction of personalized sessions with a wide range of movements
- Constraint-Induced Movement Therapy (CIMT)
- Task oriented training

Motor Control Principles

- For many Stroke or CRPS patients, Action Planning is altered or non-existent. They lost awareness of their own body, but also the memory of motor functions.

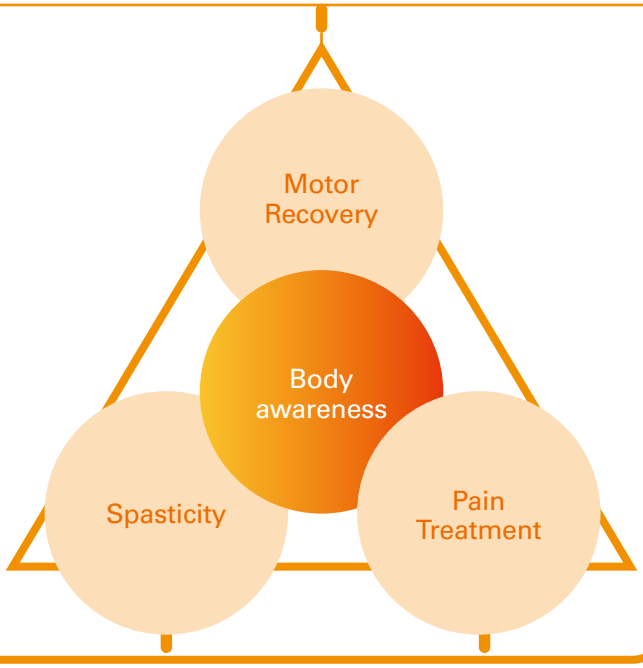


ACTION PLANNING

MOTOR EXECUTION

Rehabilitation Objectives

- IVS relies on brain plasticity principles. Integrating IVS among the therapeutic pathway stimulates the central control of movement and bolster patients' abilities in action planning.



Neurorehabilitation

Hardware Features

- 3 axes adjustable monitor with high grade interactive active displays touch screen
- Intelligent algorithm-based therapy assistance
- Ergonomic work surface with object storage space
- Embedded industrial computer system
- Height adjustable table with three electric actuators and electronic control unit
- High definition image acquisition and processing system
- Laterally and depth-adjustable patient's integrated screen

Software Features

- Presentation
- Care Programs
- Over 800 Exercises
- Activity Reports
- Evaluation

Enhance Recovery with NIRSIT Lite (Optional)

IVS3 and NIRSIT Lite work together to enhance neurorehabilitation by combining intensive visual simulation with real-time brain monitoring. IVS3 promotes motor relearning through mirror therapy and action observation, helping patients regain movement control, while NIRSIT Lite tracks cortical activation, ensuring therapy effectively engages the affected brain areas. This integration provides objective, data-driven insights, allowing clinicians to personalize treatment and optimize recovery outcomes with validated neuroplasticity and measurable progress.

IVS | Indications

- Stroke
- Brain injury
- Multiple sclerosis
- CRPS
- Amputation
- Cerebral palsy
- SCI
- Immobilization
- Plexus injury
- Trauma

Large Inclusion Criteria

- Flaccid limbs
- Spasticity
- Hemineglect
- Apraxia
- Body image disorders
- Bimanual impairments
- Aphasia
- Cognitive disorders
- Attention deficits
- Learning disabilities
- Pain
- Allodynia...

WANDERCRAFT

Neurorehabilitation

Atalante X NEW

Rehabilitation Exoskeleton

Origin: France
Certificate: FDA Clearance No. K250904, EN60601-1-2

Atalante X is a self-stabilizing and hands-free exoskeleton that enables people with severe walking disorders to stand up and walk without an assistive device. Because it is self-stabilizing, it also means wearers can specifically work on tasks that resemble those of daily life. That includes not only walking in a straight line, but also standing up, sitting down, grasping an object off the ground, or turning around.

Features

- Customized gait protocols for different pathologies and patient goals
- Walk without assistive device using self-balancing technology
- Asymmetric resistance to modulate patient effort
- Quick setup time for 1 operator <7min
- Progress documented in session reports
- Patient and operator motivated by tracked results
- Provides trunk support
- One-fits-all design

Customized Gait Protocols For Different Pathologies And Goals

EarlyGait: Enables early mobilization using small steps

RealGait: For more intensity with human-like gait and step length to practice realistic walking

ActiveBalance: For upstanding movements and weight shifting exercises

ActiveGait: Allows custom assistance from fully supported walk to active muscle engagement, all with adjustable speed

PassiveGait: 100% of the effort to walk is supported by the device

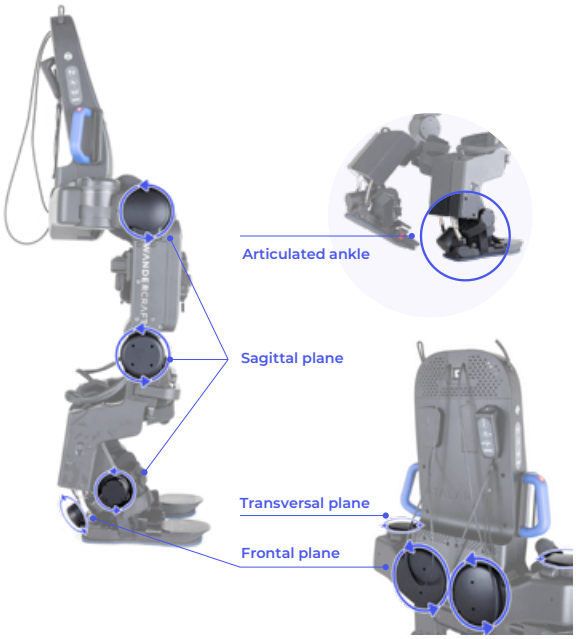
Neurorehabilitation

A Unique Technology Of Stabilization

- Algorithm adapts to each patient's measurements
- Ankle articulation allows a more natural heel strike and foot roll-out
- Multidirectional gaits for enhanced mobility

- **Trunk support for patient with impaired upper body strength**

- **12 motors**
- **3 planes of movement**
- **Allow mobility include leaning and squatting**



Unlock Even Greater Therapeutic Versatility

Joint-Specific Therapy

Assistance and resistance from 100% to -25% at hip and knee levels

Step Length Adjustment

Work up from small practice steps to a more physiological walking pattern with longer strides

Key Activities Enabled By A Hands-Free Technology

Specificity

- Multidirectional and task-oriented exercises for each impairment
- Task-specific training interventions may promote neurological recovery and enhance walking ability in individuals with chronic, motor-incomplete SCI2

Early Mobilization

- Verticalization and movement even for complex patients
- Early rehabilitation with exoskeleton would make it possible to obtain an improvement in functional recovery, especially as the sessions are frequent

High Intensity Gait Training

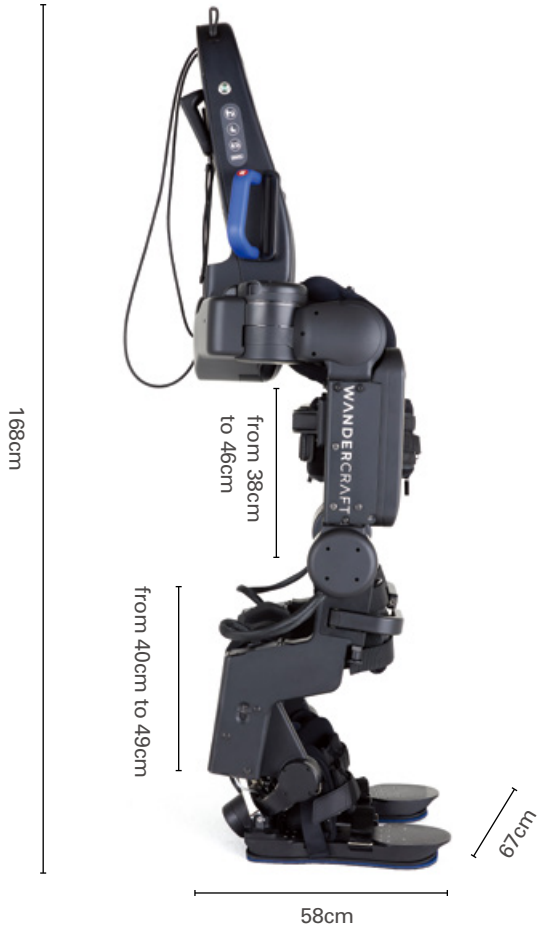
- Longer steps and variable assistance to adapt effort to patients' abilities
- Prioritizing stepping practice and high-intensity training, led to increased steps/day and improved locomotor and non-locomotor outcomes in:
  - Walking speed (10mwt)
  - Walking endurance (6mwt)
  - Transfers
  - Stair climbing

Sources: Henderson CE, Plawecki A, Lucas E, et al. Increasing the Amount and Intensity of Stepping Training During Inpatient Stroke Rehabilitation Improves Locomotor and Non-Locomotor Outcomes. Neurorehabilitation and Neural Repair. 2022;36(9):621-632. doi:10.1177/15459683221119759

Neurorehabilitation

Indications

- Hemiplegia due to cerebrovascular accident (CVA)
- Individuals with spinal cord injuries at levels C4 to L5 (SCI)
- Individuals with multiple sclerosis (MS)



Specifications

User Weight	Up to 220lbs
Product Weight	176lbs
Dimensions (L x W x H)	168cm x 67cm x 58cm
Temperature For Use	5 - 28°C

LEXO® NEW

End-Effector-Based Gait Trainer

Origin: Austria
Certificate: CE

LEXO® is a robotic-assisted gait therapy device designed to support walking rehabilitation after neurological or orthopaedic injury.

As an end-effector gait trainer, it uses robotically driven footplates to simulate a natural walking pattern, while dynamic body weight support facilitates more effective gait training. Built-in sensors provide real-time feedback to enhance motivation and support gait improvement.

Features

- Body weight support enables natural walking movements, even for weaker patients
- Adjustable stride length, cadence, and therapy settings support individualized rehabilitation
- Real-time data and reporting support therapists in monitoring patient progress
- Intense immersion allowing the patient to focus on their movement
- High adaptability with lateral and vertical guidance with PELVIS PLUS system
- One device for children and adult

Neurorehabilitation

Feedback and Virtual Environment Training

- Interactive biofeedback and gamified exercises, powered by TyroS®, enhance engagement

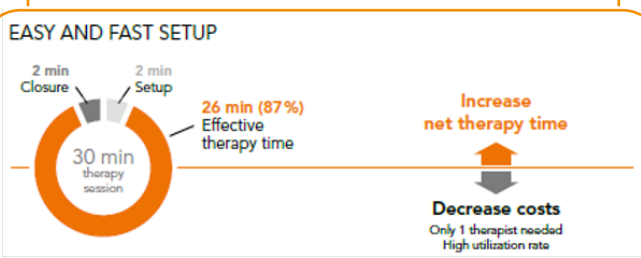
Biofeedback

Virtual Environment

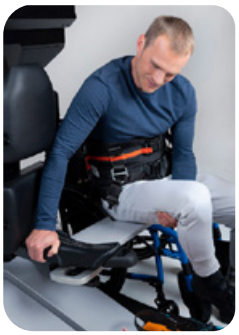
Feedback Therapy Details

Easy and Fast Setup

- Set-up and closure time within 5 minutes to maximize effective therapy time



- Designed for easy and comfortable patient transfer, with optional self-transfer



Optional Self-Transfer

Comfortable Patient Transfer

- 2 body weight support systems: Saddle & Harness/ Full Harnes & Suspension

Saddle and Harness

Full Harness and Suspension

Specifications

Dimension:	114cm (W) (Extended Patient Lift 184cm) x 360cm (L) x 231cm (H)
User Weight:	15kg - 180kg
User Height:	130 - 200cm

OMEGO® Plus NEW

Robotic Lower Extremity Therapy Device

Origin: Austria
Certificate: CE

OMEGO® Plus is a robotic-assisted device for the lower extremities which supports patient´s from early rehabilitation all the way through to the possibility of verticalisation.

Two separate drives allow the mobilisation of the patient in an effortless, isolated and focused manner, turning it into the missing link to gait therapy.

Features

- Supports stepping, leg press, cycling, sensory, and ankle joint training
- Active, passive, and assistive therapy options for individualized rehabilitation
- Supports unilateral and bilateral lower extremity training
- Provides isometric, eccentric and concentric training
- Objective assessments including force and proprioception
- Interactive biofeedback and gamified exercises enhance patient motivation and engagement
- Chair swivels in both directions for easy patient transfer
- One device for children and adults

Neurorehabilitation

Multimodal Treatment

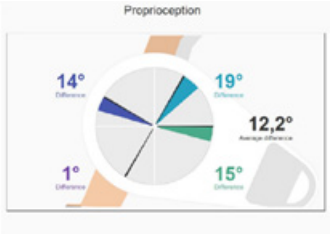
- Leg Press
- Ankle
- Rhythm
- Sensory
- Cycle
- Stepper

- Muscle Strength
- ROM & Mobilization
- Coordination
- Cardiorespiratory
- Symmetry
- Verticalization

Assessments

Force Assessment

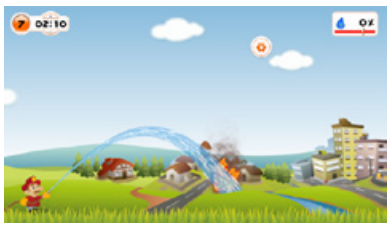
Movement Modulation



Proprioception

Gamified Exercises

- Integrated with TyroS® software to support motor, sensory, and cognitive rehabilitation



Specifications

Dimension:	98.4cm (W) x 82.7cm (L) x 128.5cm (H)
User Weight:	Less than 150kg
User Height:	130cm - 200cm

ExoMotus™ M4

Lower Limb Exoskeleton

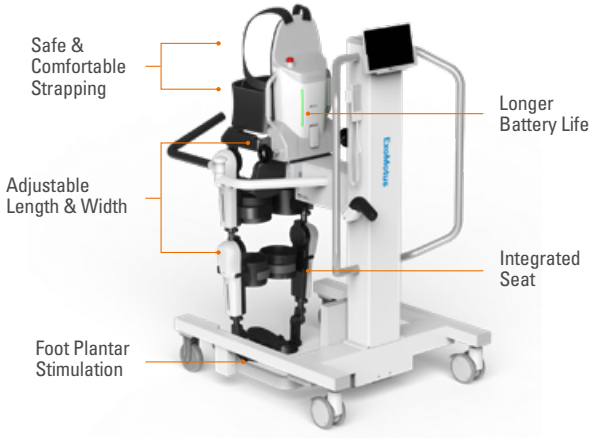
Origin: China
Certificate: CE Class 1, IEC 60601-1, IEC 60601-2

ExoMotus™ can provide a machine-assisted rhythmic gait pattern to minimise gait abnormalities during the early stage of rehabilitation. Walking on the ground provides plantar sensory feedback during training.

ExoMotus™ M4 enable individuals with lower limb impairments to perform routine ambulatory functions (stand, walk on level surfaces and mild slopes) to increase their activity level. Gait parameters can be individualised to suit the user's needs.

Multiple Training Modes

- Users can perform sit to stand training at the early stage of rehabilitation to promote ideal sensory input, improve cardiopulmonary function, and prevent muscle atrophy.
- Achieve rhythmic walking through an optimised gait cycle. Relieve muscle tone and minimise abnormal gait patterns.



ExoMotus ™ M4 Immersive (Optional)

When paired with VR, it creates immersive environments that enhance balance, coordination and motor recovery.

ExoMotus ™ M4 x Neuroskin (Optional)

When combined with NeuroSkin's Functional Electrical Stimulation (FES), the system enhances muscle activation during movement - accelerating recovering and delivering more targeted, measurable, and personalized rehabilitation outcomes.

Specifications

Device dimensions	84cm x 112cm x 150cm (±50mm)
User Weight:	Below or equal to 100 kg
User Height:	150cm - 190cm

ezyGain

ema

Smart Treadmill For Gait Rehabilitation

Origin: France
Certificate: CE, IEC 60601-1, IEC 60601-1-2

The device verticalizes the patient and allows a 0% to 100% weight lightening from the pelvis. The device provides cognitive stimulation during walking through series of games, allowing the user to work in double task.

Features

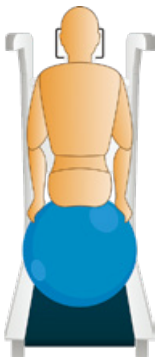
- Access ramp for wheelchairs
- Verticalization and securing of the patient up to 130 kg
- Low speed (1.5 km/h)
- Less than 1m² folded and less than 2m² unfolded
- Automatic safety stops

Balance Exercises and Analysis

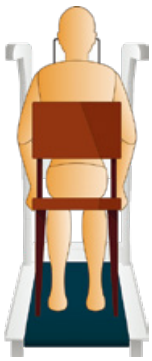
Static Exercises

- Provided with static balance report

Seated Balance

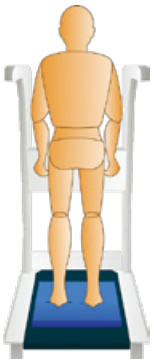


Plastic ball

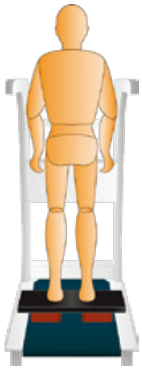


Chair

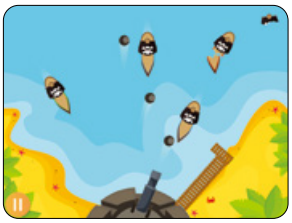
Standing Balance



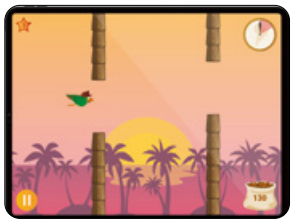
Foam



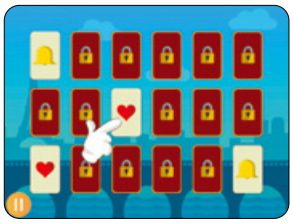
Balance board



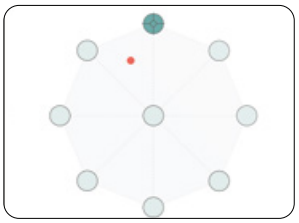
Lateral Support Transfers



Antero-Posterior Support Transfer

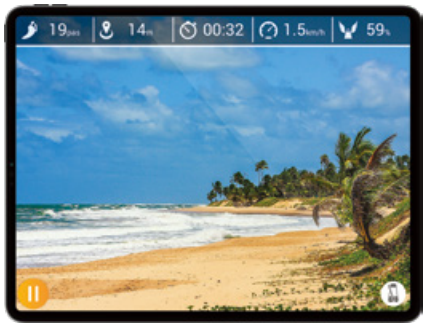


Multidirectional



Static Balance Report

Landscapes, Biofeeedback And Gait Analysis



- Motivation
- Exploration
- Double task
- Cognitive stimulation

- Position of the center of pressure (COP)
- Guided exercises
- Real-time measurements

MOVE, MOVE & GO, MOVE & GO XR (Optional)

Ema can be integrated with the ezyGain MOVE Trilogy to provide more engaging rehabilitation through interactive training, cognitive stimulation, and immersive therapy experiences.

ezyGain

MOVE Trilogy NEW

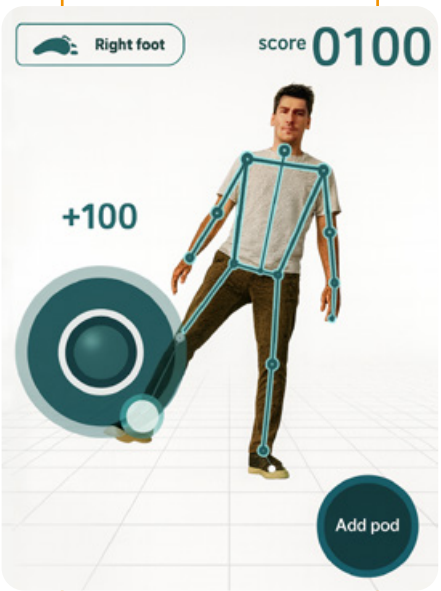
Three Solutions For Smarter Rehabilitation

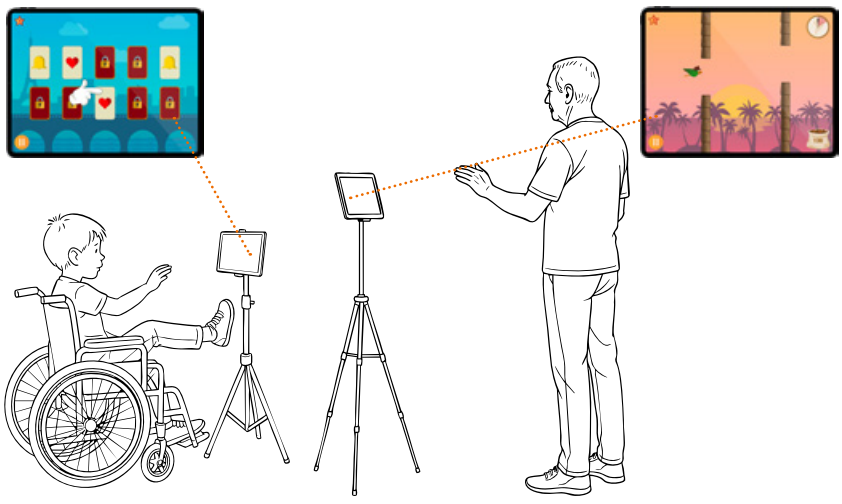
Origin: France

EzyGain Move Trilogy comprises three smart rehabilitation solutions designed to meet different therapy needs. From AI-based exercise therapy, to device-connected training, to immersive VR and AR rehabilitation, the Move Trilogy enables clinicians to deliver more engaging, versatile, and effective therapy experiences.

ezyGain MOVE

- Advanced AI motion analysis through the tablet camera enables real-time tracking of patient movements
- No sensors required for precise full-body motion capture, including posture, joint range, and coordination
- Supports training for neck and head mobility, upper and lower limbs, sitting and standing balance, and targeted muscle strengthening
- Dedicated TELE-REHAB mode supports home-based training, progress tracking, and remote therapist guidance

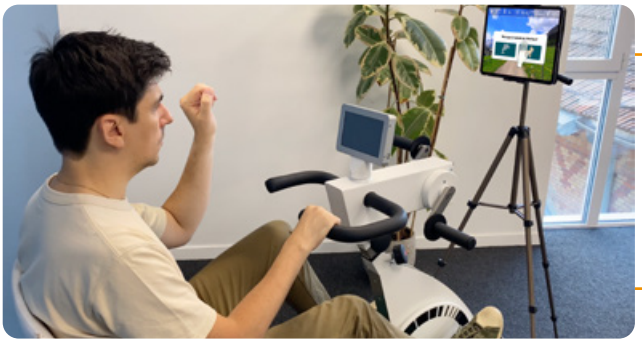




Group session with ezyGain MOVE

ezyGain MOVE & GO

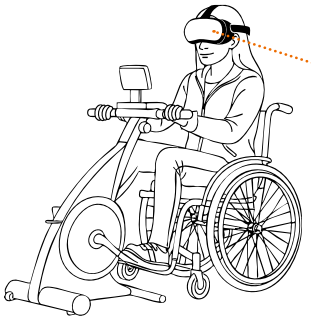
- Includes all the features of ezyGain Move
- Equipped with two sensors, it works seamlessly with motion-simulation devices such as pedal exercisers, gait robots, and treadmills to deliver interactive training
- Offers a variety of environments, games, analytics, and cognitive training activities
- Content can be displayed on a larger screen to enhance the rehabilitation experience



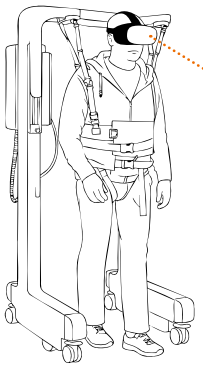
Combining enjoyment and complexity for an effective stimulation of brain plasticity.

ezyGain MOVE & GO XR

- Includes all the features of ezyGain Move & Go
- Allows patients to walk or cycle through immersive 360° recorded environments with realistic sound effects
- Supports stretching, grasping, pinching, and sorting exercises for upper limb, hand, and finger training
- The VR setting enhances existing equipment such as treadmills, pedal exercisers, and other static devices
- The AR setting is designed to combine with mobile devices such as exoskeletons, walking frames, and ceiling rail systems for obstacle avoidance and training in complex scenarios



Virtual Reality that enhances static devices



Augmented Reality designed to combine with mobile devices

NURT

Bedside Rehabiliation Training System

Origin: China
Certificate: MDD Certificate of Listing No.260625, NMPA

The NURT Bedside Rehabilitation Training System is designed to provide early care for disabled patients. It focuses on designing targeted care training movements that aim to exercise muscles, mobilize joints, improve circulation, reduce lower limb venous thrombosis, decrease pressure sores, promote neurological reconstruction, and accelerate lower limb functional recovery.

Clinical Significance

01 Accelerates blood circulation, reduces bedsores and prevents deep vein thrombosis

02 Stimulates the reconstruction of the nervous system and promotes the restoration of upper and lower limb motor functions.

03 Improve joint mobility and prevent joint contracture

04 Maintain muscle strength and reduce muscle atrophy

Intelligent rehabilitation software

- User-friendly interface, easy to operate

Precision in reconstructing movement trajectories, automatic load identification, gravity compensation, and precise force control ensure smooth operation.

Ergonomic hand support

Ergonomic foot rest

AURA Coming Soon

Bilateral, Upper-Extremity Exoskeleton

Origin: USA

AURA is a bilateral, upper-extremity exoskeleton dynamically designed to provide unique value in three areas of practice: neuroscience and movement science research, movement disorder assessment, and rehabilitation.

Features

Multi-Planar Design

- Moving in multiple planes
- Anatomically matched design maintains the scapulohumeral rhythm of the shoulder for a large, natural range of motion

Bilateral Sync Therapy

- Unique bilateral design enables mirror image movement allowing a precise comparative assessment of upper-extremity function
- Recording and replicating the healthy arm motion onto the stroke-affected side in real time for patient-driven therapy
- The Weight Support mode allows for bilateral upper-extremity exercise with minimal gravitational resistance

Functional Repetition

- With Preprogrammed Exercises, AURA facilitates functional recovery by simulating everyday, multiplanar movements with automated repetition

Customizability

- Allows for a wide range of size adjustments to perfectly match user needs
- Position and torque control modes enable researchers to apply subject-specific assistance within a predetermined range

Measurable, Objective, Exportable Data

- High-speed and high-resolution sensors allow for accurate assessment of the participant's abilities measuring both motion (kinematics) and effort (force generation)

Neurorehabilitation

Assessments

- Act as a diagnostic tool to record a patient's ability at baseline and throughout the recovery process
- With over 80 sensors, recording measurements at 2000 times per second, precisely measure functionality including range of motion, force generation, and number of repetitions completed

Applications

As an upper-extremity exercise device, may assist in the treatment of upper-body movement impairments, including:

- **Neurological injury**
  Stroke, spinal cord injury, incomplete cervical, traumatic brain injury, brachial plexus injury
- **Neuromuscular disease/disorder**
  Multiple sclerosis, Guillain-Barré syndrome, Lou Gehrig's disease
- **Musculoskeletal disease**
  Duchenne muscular dystrophy
- **Musculoskeletal rehabilitation post-procedure**
  Shoulder arthroplasty, rotator cuff tear, upper limb prosthetic or transplant rehabilitation

BURT V3

Upper-Extremity Robotic Trainer

Origin: China
Certificate: MDD Certificate of Listing No.253026, NMPA

Burt® is an upper-limb therapy robot. It allows a patient to float weightlessly on a cushion of air with GravityCradle™ supporting the patient while applying gentle forces to resist or assist the movement.

Features

- Establish normal movement patterns and promote the establishment of nerve condction pathways
- Improve join motion, loosen joint stiffness, adhesion and contracture
- Enhance the upper limb muscle strength, improve the coordination and control of upper limb movement, eliminate muscle tension, relieve muscle spasm
- Combined with ADL training, cognition and other rich situational game training to provide patients with motor, visual and auditory multi-sensory stimulation
- Comes in passive training, assistance training, active training and resistance training
- Multiple Intelligent Assessments: Baseline assessment, muscle strength assessment, joint range of motion assessment and forearm rotation range of motion assessment

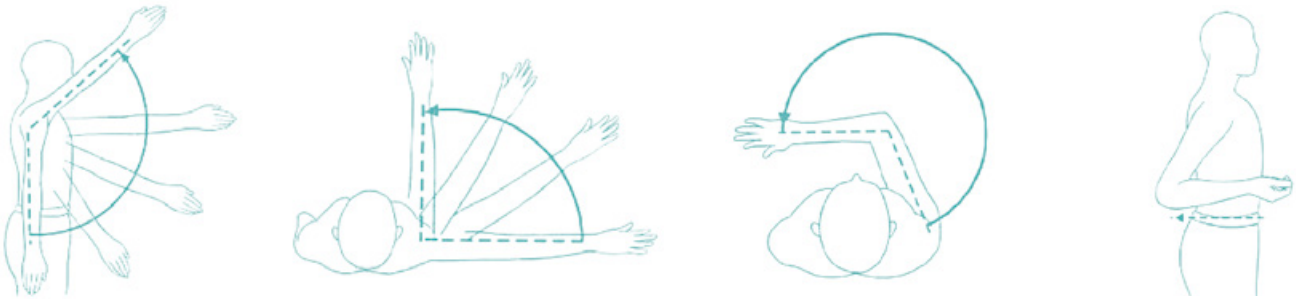
Neurorehabilitation

Function Characteristics

- Easily Set-up
- Gravity Compensation
- ROM Assessment
- Trajectory Learning
- Vibrant Feedback
- Active and Passive
- Assistive and Resistance
- Safety Workspace
- Locked Plane

Multi-dimension Training

Meet shoulder joint forward/back flexion, adduction/abduction, elbow joint flexion/extension, forearm pronation/supination, hand function grasp.



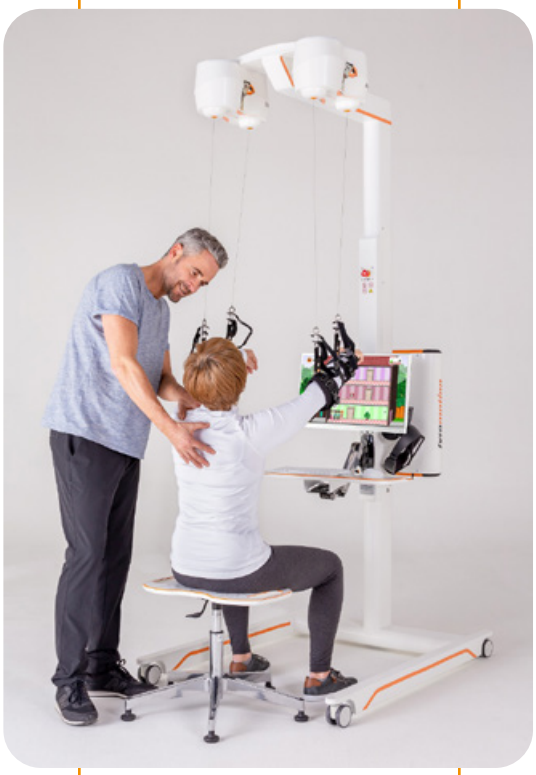
Applications

- **Neurological Disorders:**
  - Stroke
  - Traumatic brain injury
  - Spinal-cord injury
  - Parkinson's disease
  - Multiple sclerosis
  - Recovery from brain surgery
- **Orthopedic Conditions:**
  - Osteoarthritis
  - Joint replacement surgery
  - Frozen shoulder
  - Arthritis
- **Others:**
  - Post-burn surgery

DIEGO® NEW

Bilateral Arm & Shoulder Rehabilitation System

Origin: Austria
Certificate: CE



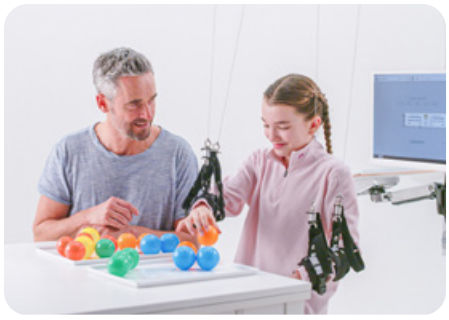
DIEGO® is an evidence-based robotic device for arm and shoulder rehabilitation, designed to support natural upper extremity movement in a three-dimensional workspace. With intelligent weight relief, unilateral and bilateral training options, and an optional immersive VR module, it helps patients relearn functional movement and activities of daily living through engaging, task-oriented therapy.

Features

- Intelligent Gravity Compensation (IGC) supports natural and physiological arm movement with reduced effort
- Dynamic arm support compensates for gravity, helping reduce the load on weakened muscles during training
- Supports unilateral and bilateral arm and shoulder training
- Three-dimensional workspace enables functional reaching and task-specific movement training aligned with real-life activities
- Active, passive, and assistive therapy modes support individualized rehabilitation
- Adjustable resistance levels allow therapy to be tailored to different patient needs and stages of recovery
- Objective assessments, including force and proprioception, support accurate evaluation of patient performance and rehabilitation progress
- Quick and easy setup helps maximize effective therapy time
- Suitable for both adults and children

Neurorehabilitation

Use and Benefits



Away From Screen:
Assisted task-oriented therapy with real objects

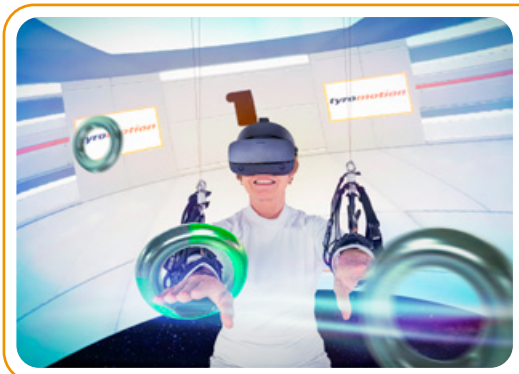
ADL Training:
Intelligent Gravity Compensation in a Real-Life Scenario

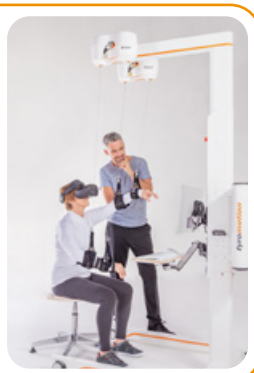
Integrated with TyroS® Software To Support Therapeutic Gaming Environment:
Motivation for high numbers of repetitions

- Supports improved arm strength by reducing the load on weakened muscles
- Enhances performance in daily activities through task-specific training
- Promotes greater functional independence
- Adapts to individual needs across different stages of recovery

DIEGO VR (Optional)

Immersive 3D therapy environment allows patients to explore, interact, and stay motivated during training





Specifications

Total System Dimension: 90 cm (L) x 128 cm (W) x 240 cm (H)

AMADEO® NEW

Robot-Assisted Finger-hand Rehabilitation System

Origin: Austria
Certificate: CE

AMADEO® is a robotic device for finger and hand rehabilitation, designed to support recovery of grasping and finger extension through intensive, task-oriented training. Using an end-effector approach with magnetic finger attachment, it enables precise, isolated finger movements and supports patients across all rehabilitation phases, from severe impairment to advanced recovery.

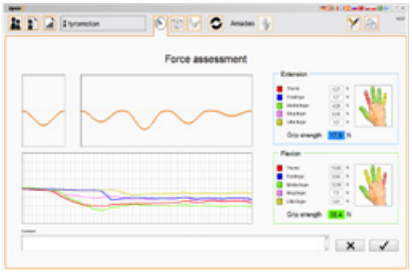
Features

- Robotic-assisted therapy for hand, individual fingers, and thumb movements
- Magnetic fingertip attachment enables precise, isolated finger training
- Active, passive, and assistive therapy modes for individualized rehabilitation
- Supports grasping and finger extension training across all rehabilitation phases
- Gamified exercises and real-time feedback enhance patient engagement
- Quick setup and hygienic patient attachment system
- Suitable for both adults and children

Neurorehabilitation

Assessments

Range of Motion



Force Measurement

Spasticity

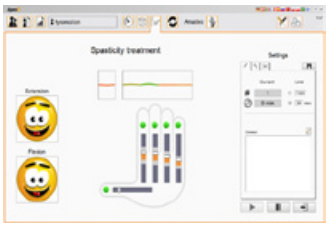
- Objective assessments including range of motion, force, spasticity, and tone
- Evaluates ROM of individual fingers and thumb for accurate functional analysis
- Measures finger strength with clear visualized performance data
- Supports spasticity assessment based on the Modified Ashworth Scale (MAS)
- Provides measurable outcomes for therapy planning and progress monitoring

Training

Passive Mode

Assistive Mode
(Includes Active Mode)

Sensitivity Training



Spasticity Training

- CPMplus for passive mobilization of the hand and fingers
- Assistive therapy to support patient-initiated flexion and extension
- Spasticity treatment tailored to individual finger response
- Sensitivity training with vibratory proprioceptive stimulation

EMG with AMADEO®(Optional)

- Optional EMG module for severely affected patients
- Detects muscle activation with minimal visible movement
- Enables earlier access to active therapy
- Supports patient-initiated training
- Provides EMG-based biofeedback

PABLO® NEW

Bilateral Arm & Shoulder Rehabilitation System

Origin: Austria

PABLO® is a multifunctional sensor-based rehabilitation system that combines assessment, therapy, and biofeedback in one versatile platform. Designed for upper and lower extremity, trunk, and neck rehabilitation, it supports motivating, task-oriented training across all phases of recovery.

Features

- Wireless sensor-based system for flexible and efficient rehabilitation
- Provides real-time visual and audio biofeedback during training
- Supports objective assessment, monitoring, and progress reporting
- Enables unilateral and bilateral interactive therapy
- Designed for functional and task-oriented ADL training
- Portable design with quick setup for convenient clinical use
- Suitable for both children and adults across all rehabilitation phases
- Versatile application for the upper extremities, lower extremities, trunk, head, and gait training

Accessories

- PABLO® Multiboard – Enables upper extremity and postural training.
- PABLO® Multiball – Supports wrist and forearm training.
- PABLO® Motionsensor – Detects movement across different body regions.
- PABLO® Charging Station – Wireless charging for sensors

Neurorehabilitation

Assessment and Training

Lower Extremities

Gait Analysis

Head

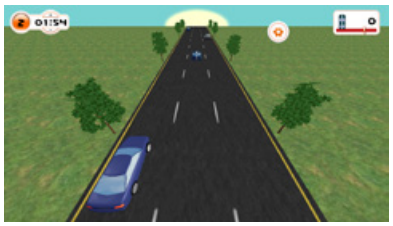
Upper Extremities

Trunk

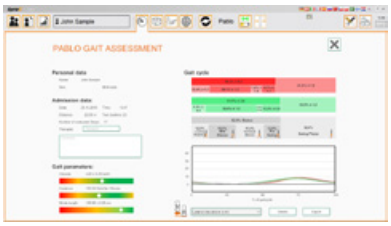
Sit-to-stand

Single Joint Training

Obstacle Training



Therapeutic Gaming Environment



Assessment

- Objective assessment and therapy for upper and lower extremities, trunk, and neck
- Supports hand grip measurement, force control, and range of movement training
- Enables training of wrist, elbow, and shoulder movements in multiple directions
- Includes grip training such as cylinder, pinch, three-point, lateral, and interdigital grip
- Supports gait assessment and training with objective measurement of gait parameters
- Applicable to functional activities, balance, coordination, and ADL-based rehabilitation

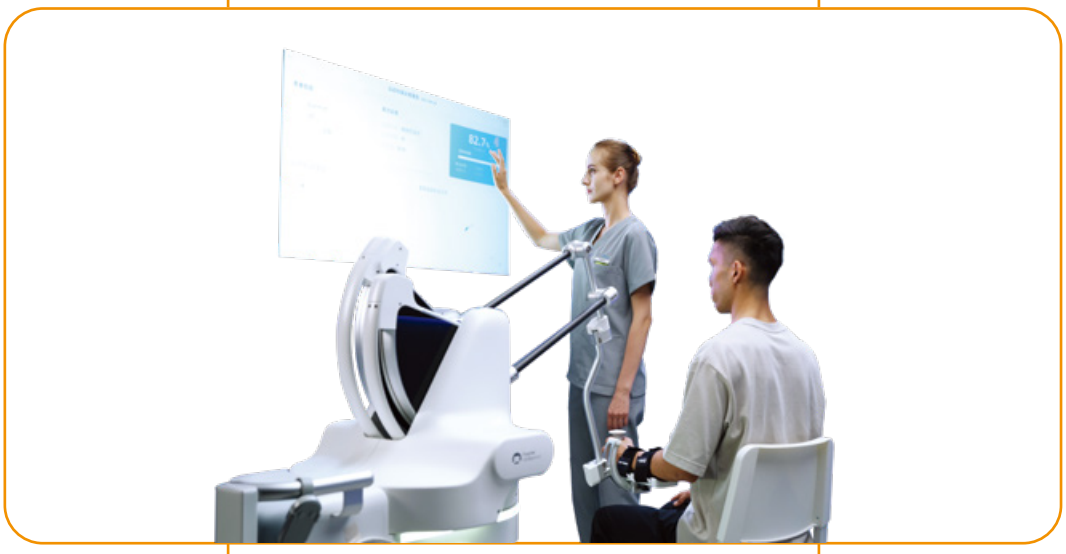
Tyrostation (Optional)

TyroStation® houses all PABLO® components in one centralized therapy station, with height-adjustable features for ergonomic positioning, safe storage, and an organized therapy environment.

ArmMotus™ EMU

3D Upper Limb Rehabilitation Robot

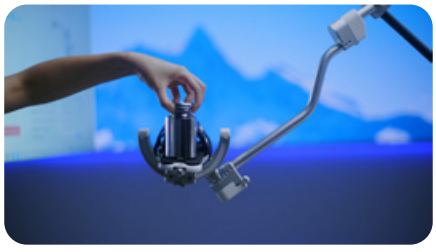
Origin: China
Certificate: NMPA, IEC 60601-1, IEC 60601-1-2,TGA, MDD Certificate of Listing No. 251783



ArmMotus™ EMU is a 3D back-drivable upper limb rehabilitation robot that adopted an innovative cable-driven mechanism, combined with a parallel structure made of lightweight carbon fibre rods which perfectly reduces the friction and inertia of the device. This enables the control system to respond and execute more efficiently, resulting in higher compliance in human-machine interaction.

Features

- **Compliant Motion Control Support All Training Modes**
  - Supports easy training setup in sitting and standing position as well as accommodating different training arms
  - Integrates different scenarios in the game so that users can train on strength, motor control and joint ROM in one training



Gravity Compensation

Combining Actual Object

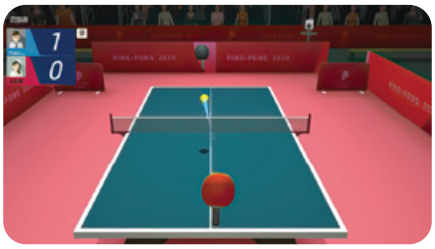
Bilateral Training

Neurorehabilitation

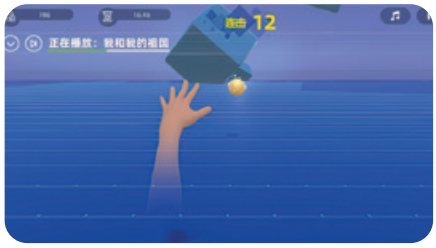
- The force feedback technology can stimulate different force environments that can be integrated into the training making them more interesting, immersive and motivating
- The real-time visual, audio, and haptic feedback can diversify the training and provides intuitive guidance to the users

Motor Control

ADL Training

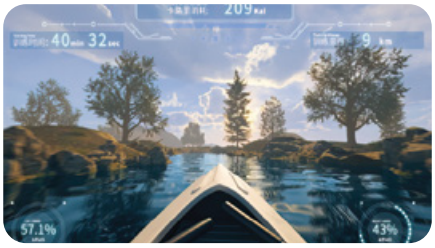


Reaction Training



ROM Training

Strength Training



Bilateral Training

Personalised Training Trajectory

- Provides a comprehensive upper limb training trajectory in which the therapist can select and customize different movements according to the user's needs

Quantifiable Training

- It can precisely measure every movement trajectory, strength, cognitive ability, ROM, motor control ability and generate a report after the training

Covers The Whole Continuum Of Rehabilitation

- The force feedback technology enables the device to simulate the therapist's hands
- Supports the user to adjust the assistance or resistance according to different rehabilitation needs

ArmMotus™ M2 Pro

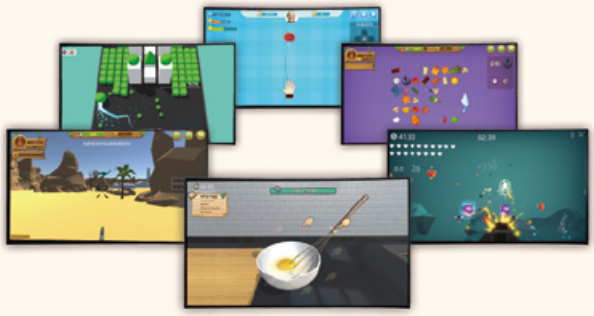
Upper Extremity Intelligent Rehabilitation Robotics

Origin: China
Certificate: NMPA, IEC 60601-1, IEC 60601-1-2
MDD Certificate of Listing No. 240206

ArmMotus™ EMU is a 3D back-drivable upper limb rehabilitation robot that adopted an innovative cable-driven mechanism, combined with a parallel structure made of lightweight carbon fibre rods which perfectly reduces the friction and inertia of the device. This enables the control system to respond and execute more efficiently, resulting in higher compliance in human-machine interaction.

Features

- Real-Time Force Feedback Device, Effective For Users With Different Demands
- Multiple Training Modes Integrated In One Device (Passive Mode, Assistive Mode, Active Mode, Resistive Mode)
- Customised Training Prescriptions
- Immersive Interactive Experience
- Data-Based Rehab Process



H·ROBOTICS

rebless™

A Single Exercise Device For Wrist, Elbow, Ankle & Knee

Origin: Korea
Certificate: FDA, CE, Japan, Singapore, MFDS IEC 60601-1, IEC 60601-1-2, MDD Certificate of Listing No. 250599

Remote Control

Features

- **Wide Rehabilitation Scope**
  Applicable for treating neurological and musculoskeletal movement disorders
- **Diverse Exercise Modes**
  Continuous passive motion (CPM) and assist-as-needed technology allow patients to change exercising modes depending on their abilities
- **Various Functions**
  Passive range of motion, active range of motion, active-assisted and active-resistive exercises are essential for recovery from pain and injury
- **rebless clinic (for clinicians)**
  Web-based app to prescribe exercise regimens, manage and export patient output, and perform telemedicine visits
- **rebless apps (for patients)**
  To operate the device, track his/her improvements
- **Multiple Control App**
  This app can connect to max 5 rebless devices and control them all at the same time.

Exercise Positions

Upper Limb

- Elbow Flexion & Extension (Neutral / Pronated / Supinated)
- Wrist Radial Deviation
- Wrist Extension / Flexion

Lower Limb

- Knee Flexion & Extension (Sitting / Supine)
- Ankle Dorsiflexion & Plantar Flexion (Sitting / Supine)


Wrist Flexion


Knee Flexion & Extension (Sitting)


Elbow Flexion & Extension (Neutral)


Ankle Dorsiflexion & Plantar Flexion (Supine)

Specifications

Dimensions (L x W x H)	79cm x 36cm x 24cm
Unit Weight	18 kg

Hocoma Series

Origin: Switzerland

Lowerlimb

Lokomat® Pro
Robot-Assisted Therapy

Lokomat® Nanos
Robot-Assisted Therapy

Andago®
Overground Gait Training

Erigo®
Early and Safe Mobilization

Upperlimb

Armeo® Power
Robotic Arm Exoskeleton

Manovo® Power
Hand Function Training

Armeo® Spring Pro
Exoskeleton With Spring Mechanism

Manovo® Spring- Hand Module
Hand Function Training