MediTouch

Balance Tutor

Pertubation Treadmill

Origin: Israel

Features

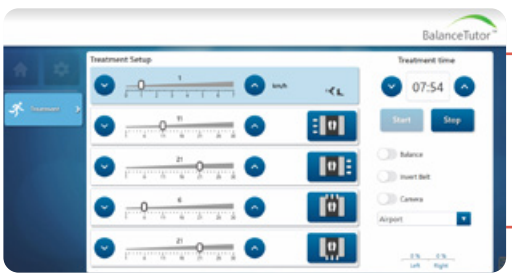
- **Advanced Perturbation Technology**
  - Experience a new dimension in balance training with customizable postural perturbations that simulate real-world challenges
- **Targeted Gait Improvement**
  - Addressing specific gait abnormalities and enhancing proprioceptive feedback for a symmetric and efficient gait pattern
- **Clinical and Research Modes**
  - Seamlessly switch between clinical rehabilitation and research protocols for comprehensive applications
- **Data-Driven Insights**
  - Gain deep insights into patient progress through detailed analytics and objective outcome measurements including real time data on kinetic and perturbation events
- **User-Friendly Interface**
  - Intuitive controls make it easy to adapt perturbation levels and parameters according to patient needs

Specifications

Dimensions (L x W x H)	233cm x 161cm x 245cm
Unit Weight	485kg
Power Consumption	Min: 280W Max: 2300W

Data Collection & Seamless Integration

Benefit from full access to comprehensive data, including Center of Pressure (COP), Inertial Measurement Unit (IMU), and recorded perturbation events exported to a CSV file.



III Rehab

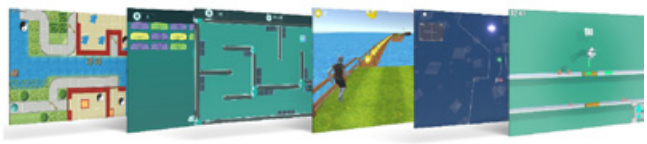
Balance Rehabilitation Platform

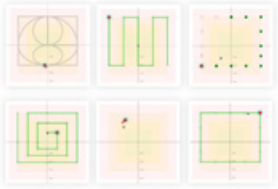
Origin: Portugal

Features

- 12+ validated balance assessment protocols with automatic reporting
- 30+ posturography parameters under multiple sensory conditions
- Fall risk prediction backed by peer-reviewed evidence
- Limits of stability & mCTSIB to assess voluntary control and sensory dependencies
- Sit-to-Stand & unilateral stance for functional symmetry analysis
- Plantar pressure mapping & gait analysis for comprehensive evaluation
- Biofeedback exercises and games to engage and re-educate the brain

Software Features





6 Balance Exercise Categories

- Balance and stability
- Figure and paths
- Random points
- Visual stimulus
- Protocol Training
- Load charts

14 Balance Assessment Protocols

- mCTSIB- Modified Clinical Test of Sensory Interection on Balance
- Romberg Test
- Body Sway (posturography)
- LOS - Limits of Stability
- Fall Risk
- Rhythmic Weight Shift
- Unilateral Stance
- Balance Error Scoring System
- Sit to Stand
- Static Analysis
- Total Balance Pro
- Weight Bearing Squat
- Postural Analysis
- Dynamic Analysis (gait)

sensing future

VIII Basic

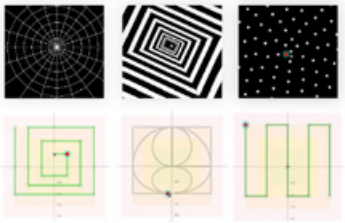
Balance Rehabilitation Platform

Origin: Portugal

Features

- Affordable and durable
- Comprehensive protocols
- High precision and reliability
- Portable design
- Balance assessment
- Balance training with biofeedback
- Fall risk assessment
- Posturography
- Balance disorder evaluationto patient needs

Software Features



3 Balance game categories

- Pong & Ball Balance
- BART
- 2D game

4 Balance Exercise Categories

- Balance and stability
- Figure and paths
- Visual stimulus
- Load charts

6 Balance assessment protocols

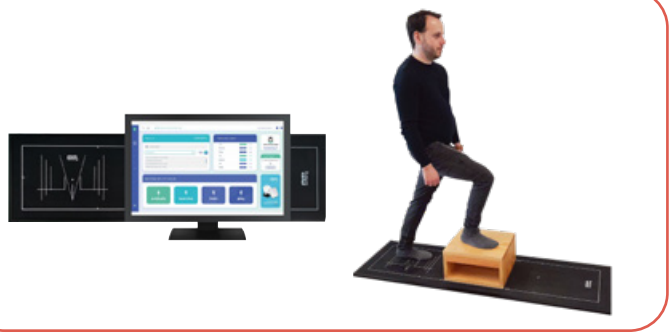
- mCTSIB- Modified Clinical Test of Sensory Interection on Balance
- Romberg Test
- Body Sway (posturography)
- LOS - Limits of Stability
- Unilateral Stance
- Balance Error Scoring System

III Max Rehab

Balance Rehabilitation Platform

Origin: Portugal

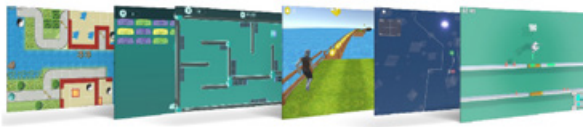
Specially design to assess functionality, mobility and motor control in everyday tasks, such as walking, climbing stairs and getting up and down. Super sensitive and precise.

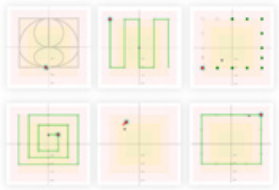


Features

- balance assessment with 12 clinical reports
- Balance training with biofeedback
- Stroke rehab (and others neurological diseases)
- Fall risk assessment
- Feet pressure map
- Posturography
- Sit-to-stand study
- Gait analysis
- Motor control assessment

Software Features





6 Balance Game Categories

- Pong & Ball Balance
- BART
- 2D game
- Slime pong & slime run
- Space Sway
- Break your Balance

6 Balance Exercise Categories

- Balance and stability
- Figure and paths
- Random points
- Visual stimulus
- Protocol Training
- Load charts

16 Balance Assessment Protocols

- mCTSIB - Modified Clinical Test of Sensory Interection on Balance
- Romberg Test
- Body Sway (posturography)
- LOS - Limits of Stability
- Fall Risk
- Rhythmic Weight Shift
- Unilateral Stance
- Balance Error Scoring System
- Sit to Stand
- Total Balance Pro
- Step Up Over
- Forward Lunge
- Weight Bearing Squat
- Postural Analysis
- Dynamic Analysis (gait)

sensing future

IX - KINE-SIM

Engaging Balance Exercise Equipment Dedicated To Physical And Neurological Autonomy

Origin: Portugal
Certificate: IEC 60601-1, IEC 60601-1-2

It combines two independent dynamic platforms perfectly synchronized with interactive media content for passive and assisted movement.

Updates

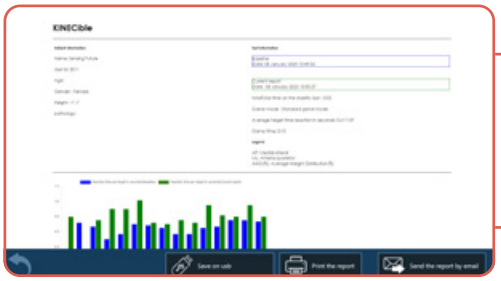
- Traditional Chinese version available
- Active foot plate motion
- Higher range of adjustment for ramp and monitor height
- A diagnosing tool added for checking its functional state

Features

- Two independent motion platform with both 3 movement axes
- Tilt adjustable tactile HD monitor with integrated speakers
- Personalised and synchronised multimedia exercises
- Finger print controlled access (optional)
- Embedded 2D or 3D camera for remote interaction with physician and upper body motion analysis (optional)
- High sensibility pressure sensors for center of balance analysis and interactivity
- Height adjustable handrails (optional)
- Emergency kill switch
- Internet connected for remote patient follow up and content updates
- Compatible with numerous connected devices

Software Features

KINCible is an interactive activity in which the plate behave like a freeman plate or a wobble plate. It allows therapists to adjust platform instability and set COP target zones, challenging users to maintain balance and control in a dynamic virtual environment.



Use and Benefits

Helps Prevent Falls

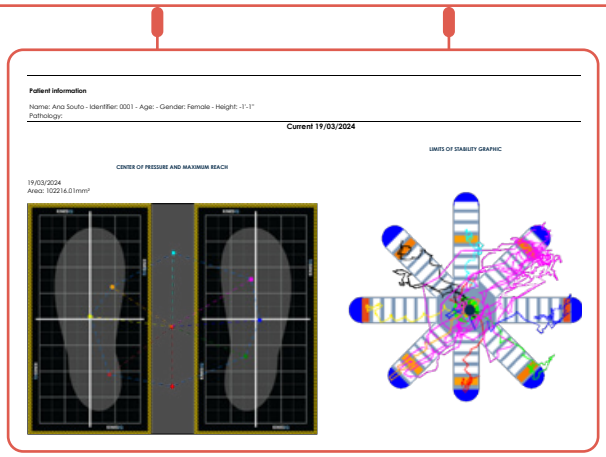
- A safe-to-use training device that should be part of any fall-prevention program
- Helping to reduce falls which may result in severe injury, increased insurance premiums, and legal issues
- Reduces costs of rehabilitation when necessary
- Helps assessment and treatment as well as resident evolution follow up

Components

Diversified Scenarios, Exercises And Interactive Games

- Adjusted to every type of users in preferences and needs
- Reproducing several daily life activities
- Adapted to actuality and seasons
- Several levels of speed and intensity
- Passive and Assisted modes
- Virtual reality made accessible

Report



Specifications

Dimensions (L x W x H)	143cm x 85cm x 193cm
Unit Weight	147kg
Maximum Pitch/Roll	±22°
Maximum Speed Pitch/Roll	120°/sec.
Maximum Heave (Elevation Plates)	10cm
Maximum Speed Heave	10cm/sec.
Connectivity	Wi-Fi / Bluetooth

tyromotion

TYMO® NEW

Balance Training And Postural Control

Origin: Austria

Small but powerful, the TYMO® system is a versatile measurement and therapy system for the whole body. In addition to the standing position, TYMO® offers a wide range of other options to assess and train the upper and lower extremities as well as the trunk. It allows measuring and practice of force, balance and postural control. TYMO® comes with an additional, soft overlay-pad and magnetic, balance accessories for dynamic application.

- Therapy for trunk, upper and lower extremities
- Static and dynamic application
- Therapeutic games
- Balance training and postural control
- Task and ADL - oriented training
- Wireless connection

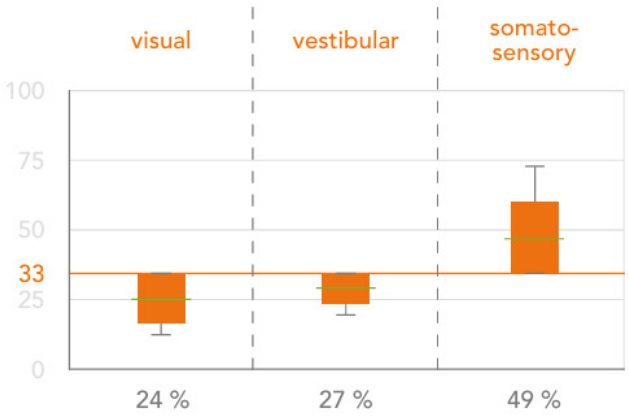
Features

- Can be applied in any therapy situation: e.g. standing, sitting, lunge, prone on elbows, ...creativity is the limit!
- Short setup time
- Thin & portable
- Standardized assessment incl. Posturography
- Feeling of standing on firm ground
- Suitable for children and adults

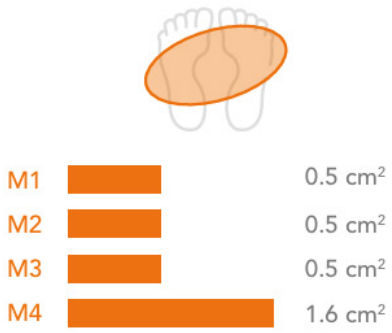
TYMO® Balance Test / Posturography

TYMO® offers a standardized assessment for balance analysis to quantify balance and posture regulation in an upright stance. The TYMO® force sensors detect weight shifting and determine the center of pressure (COP), body sway and load balancing over the feet. This data provides indicators for balance, stability and symmetry.

Feedback Path



Center of Pressure Area (COP)



Assessments

- Center of pressure track (COP)
- Range of motion area
- Displacement medio-lateral, anterior-posterior
- Average velocity
- Weight distribution
- Frequency analysis (Romberg Ratio)
- Visual, vestibular and somatosensory feedback path

HUR SmartBalance

A High-End Tool For Assessing And Training Balance

Origin: Finland
Certificate: CE, ISO 20957

HUR manufactures balance testing and training products to most customer needs – from highly portable platforms for the tester on the move to fully equipped testing and training stations for both rehabilitation and research.

HUR SmartBalance Package (2031)

Include:

- BTG4 Balance Platform
- HUR SmartBalance Software
- Touchscreen Computer
- iSupport Rail
- Foam
- RFID reader

Features

- Low step up height
- Wide entry
- Sturdy and height adjustable support rail for safety
- Large interactive touchscreens
- Easy to use software with clear traffic light coloured results, balance scores and guidelines for training
- Client mode for independent training
- Motivating training with interactive computer games

New SunBeam Training Protocol

A research-based, clinically validated fall prevention program developed with Dr. Jennifer Hewitt. The goal of it is to reduce fall risk by enhancing lower limb strength, posture control, and confidence in older adults.

The Module includes:

- Both dynamic and static exercises/tests
- Additional training for stepping and cognition
- All results being saved and visualized

BTG4 Platform (2204)

Width	Length	Height	Weight
960 mm	700 mm	65 mm	15 kg

- Largest of the standard platforms
- Full testing and training capabilities
- Enables seated core balance training for even larger wheelchairs
- Still portable – weight 15kg
- Perfect for professional balance testing and training

FORCE Platform (2003)

Width	Length	Height	Weight
810 mm	610 mm	60 mm	16.45 kg

- Highly accurate portable & mounted force platforms for jump testing
- Featuring easy-to-use software which displays over 20 parameters right after the jump, needing no user calculation
- Used by sports coaches, top sports teams and sports research facilities worldwide

HUR Balance Software

HUR SmartBalance Software

- Interactive easy-to-use touch screen software
- Testing, training and games all in solution, with the ability to individualise games for rehabilitation purposes
- On screen interpretation and training guidelines of test results
- Unique Balance Score for easy understanding and client reports
- Compatible with HUR SmartTouch solutions

Balance Software Premium

- Optimized for independent training
- Testing software designed for research
- Several testing protocols
- Custom protocol creating wizard
- Versatile reporting capabilities
- Store numerous parameters and raw data
- Full export and import capabilities

HUR Balance Accessories

iSupport Rail For BT4 & BTG4

Carry Bag for BTG4 (9070-3)

Specifications

Dimensions (L x W x H)	102cm x 114cm x 181cm
Unit Weight	49kg

KOORDYNACJA
Medical Side Of Technology

MultiReha® Balance System

Origin: Poland
Certificate: CE

1 MultiReha® Stochastic Board

The Stochastic Balance Platform Board is an innovative and coordination training as well as biofeedback exercises. Thanks to the built-in computer interface, training takes a very attractive form of any game. When balancing on the platform, we control what is happening on the monitor, but the moving spheres increase the difficulties of the training, and thus increase the effectiveness of the therapy.

2 MultiReha® Board

The Balance Platform is an innovative, patented solution that allows you to exercise balance and coordination. Additionally, it allows you to exercise with biofeedback. While balancing on the platform, we control what is happening on the monitor. Thanks to a special resistance rubber, training extremely smooth and the work is more stable than on other platforms.

3 SitBalance

SitBalance is a patented, world's first active 3D chair/seat that uses both a vacuum system and a computer-connected balance system. It allows you to: adjust the shape of the seat to the body of a person, force sitting in the correct or corrected position, control a computer game, strength of postural muscles, signaling the adoption of an incorrect position.

For Whom?

- For people with disturbed balance
- For children with body posture defects
- For people who have little motivation to exercise
- For patients with pelvic girdle abnormalities
- For patients with impaired deep sensation

Software Features

- Patient database
- Internal games integrated with the software
- The ability to control any game downloaded from the internet
- Balance diagnostics module
- Printouts and notes
- Therapy progress tab
- Setting the zero position (starting platform)
- Possibility of asymmetrical operation
- Setting the activation threshold for each direction