

# DECREASE FALLS, IMPROVE MOBILITY

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BIODEX

BIODEX Balance & Mobility devices

IMPROVE REACTIVE POSTURAL CONTROL, BALANCE AND GAIT MECHANICS

## The perfect tools in Fall Prevention...

### Biodex Balance System™ SD

The Biodex Fall Risk protocol of balance exercise will improve an individual's ability to remain upright under challenging conditions.

It's the perfect tool in the growing field of Fall Prevention.



Increases clinical efficiency, productivity, and helps reduce the rate of re-admissions.

The Biodex  
Balance System™ SD  
can identify a  
potential problem  
in just  
two minutes

## Broaden your Applications... Increase your clinical value!

- Fall Risk Screening & conditioning
- Senior Rehab
- Neurorehabilitation
- Vestibular Disorders

Featuring **easy-to-follow "touch-screen" operation**, the Balance System SD is **simple to learn and operate**, leading the user step-by-step through testing protocols and training modes in both static and dynamic formats.

Extremely versatile, it is **the only system that provides a fast, accurate Fall Risk Screening and Conditioning Programme for older adults**; closed-chain, weight-bearing assessment and training for lower extremity patients, and adds the objective balance assessment component to a concussion management programme.



## Objective data proves need, progress and outcome

Objective reporting is a marked distinction with the Biodex Balance System™ SD - allowing you to justify need, demonstrate progress and accurately report outcome, minimising the potential for re-admission. **Compares balance test results to age-dependant normative data.**

## Portable option Biodex BioSway

A fixed platform, portable balance assessment and training device.

**NEW Fall Risk Screening Test** - Using static force platform, objectively quantifies postural sway velocity to predict fall risk.

**Sets up in minutes** to provide training or testing modes inc. CTSIB.



## Vibrotactile Biofeedback System

More pronounced than audio and visual feedback, vibrotactile cueing directly engages the motor learning system, **enhancing neuroplasticity - essentially reducing Falls.**

Especially suited to treatment of vestibular disorders.



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UK & Eire

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## The perfect tools in Fall Prevention...

### Biodex BioStep™ 2

Ideal for older adults  
or pre-ambulation

The low-impact elliptical motion of the Biodex BioStep™ 2 reduces the jarring impact often associated with the stop-start motion so common with other recumbent steppers.



**Naturally smooth...  
Positively effective!**

...the obvious choice for  
cross training

- Smooth, elliptical cross-training  
*Comfort, safety & stability of*
- Semi-recumbent positioning
- Zero-joint impact
- Biomechanically correct arm, leg and ankle motion - emulates natural walking patterns
- Step-through frame
- Simple, easy to see & use display
- Comfortable & robust design

## Prove patients are getting better, faster...

### Biodex GaitTrainer™ 3

with optional Music Therapy

More than just a rehabilitation  
treadmill...

**It is the most important improvement  
to gait training since the parallel bars**

Quantify patient progress

Beyond audio and visual biofeedback,  
musically-cued gait training for pattern  
sensory enrichment.

**The only treadmill with  
an instrumented deck  
that monitors and  
records step length,  
speed and right-to-left  
time distribution  
(step symmetry)**



- **Open Platform** - enables patient access for therapist interaction, easily accommodates BWSTT with the Biodex Unweighing System.
- **NEW Integrated Music Therapy** - available as an option, Rhythmic Auditory Stimulation (RAS) is available to your patients through music therapy-informed compositions in the correct beats per minute to elicit pattern sensory-enhanced movement.

### Biodex NxStep™ Unweighing System

Early rehabilitation,  
BWSTT or over ground...



**The Biodex Unweighing System  
Provides a safe rehabilitation  
environment for both patient  
and therapist.**

- **Room-to-room** - Collapses to 32" wide to fit through standard door frames
- **Counters harness slippage** - Auto Unload feature compensates for potential harness movement due to slippage or posture changes.
- **Convenient control** - Newly designed hand-held remote can be magnetically attached to anywhere on the frame.
- **Safe environment** - Negates the need for therapist support.

### Partial body- weight support...

Reduce patient body  
weight with single-point  
suspension for proper gait  
mechanics



Biodex Unweighing System & Gait Trainer 3