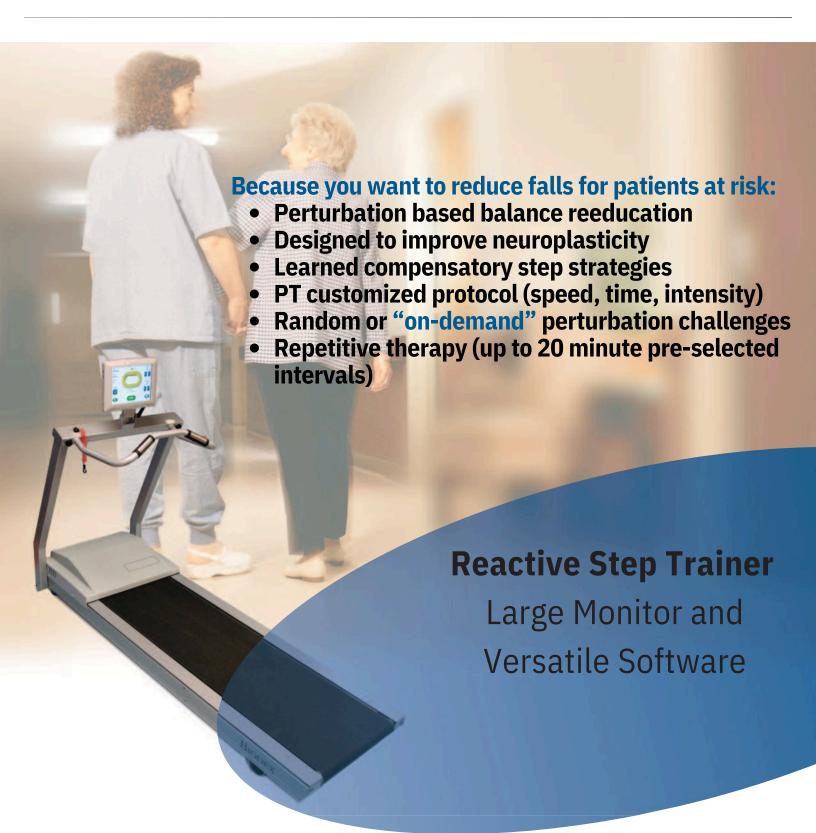
Reactive Step Trainer (RST)[™]

PRACTICE MAKES......PROVEN FALL RISK REDUCTION



BIODEX Rehab

Reactive Step Trainer One Device - Four Functions

Balance reeducation device

Gait trainer (post-surgical or neurological gait improvement)

Award winning music therapy (proven syncopated gait improvement)

Physical therapy centric treadmill (forward, reverse, low-speed increments 0.1 mph)

* RST provides therapists with the full suite of services offered on our current GT3 plus the benefits of balance reeducation (RST must be used with Unweighing System)

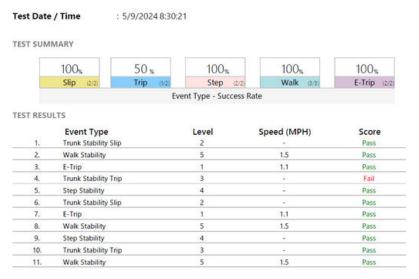


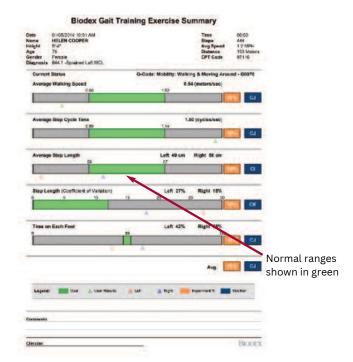
Continuous practice helps patients improve their balance and reduce their risk of falling

OBJECTIVE DOCUMENTATION:

Output measurement sample reports

Reactive Step Training Results





Progress Report:

Perfect for showing need Progress and outcome for specific gait parameters

FEATURES:

- •Five types of perturbations Trunk Stability Slip & Trip, Step & Walk Stability, and e-Trip to improve step recovery and dynamic balance and thereby reduce the incidence of falling.

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



•Open Platform- enables patient

access for therapist manipulations and accommodates BWSTT with the Biodex Rehab Unweighing

- •**Objective Documentation** Ideal for insurance reimbursement. Exercise Summary and Progress Reports display progress and document outcomes for specific gait parameters, including:
- -Average walking speed over time
- -Total exercise time
- -Total distance and steps taken
- -Average step length: RT vs. LT
- -Step length variability: RT vs. LT
- -Time on each foot: RT vs. LT
- •NEW Automated G-code Calculations and Impairment Level Reports— Increases efficiency and productivity, improves documentation of rehab effectiveness fostering continuity of care, helps with audits, efficiencies and reduces claims denial.
- •Normative Data Age- and gender-based for comparison to healthy populations for assessment of patient results.
- •Audio and Visual Biofeedback— Motivates patients with real-time biofeedback, prompting proper gait patterns. Biofeedback help patients stay "on target" in each phase of rehabilitation; steps lengthen, step speed increases and symmetry improves.
- •**Heart Rate Monitoring** Polar®contact handgrips (telemetry compatible) ensures proper training intensity.
- •Large Display Features 12.1" color touch-screen display, powered by a Windows CE operating system.
- Multipurpose Connectivity Allows connection to larger monitors and LCD projectors to enhance interaction for visually impaired patients.
- •**USB Compatibility** Accommodates external keyboard, a mouse, printing devices for remote operation and USB memory devices for data transfer and software upgrades.

Selection modes



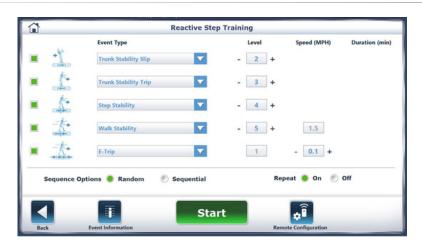


Five clinical applications for slip and trip challenges with customizable intensity levels

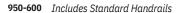
APPLICATIONS

Goal: To improve step recovery and dynamic balance and thereby reduce the incidence of falling

Older Adult
Orthopedic Patients
Stroke/Traumatic Brain Injury
Spinal Cord Injury
Amputation of a Lower Extremity
Parkinson's Disease
Neurologic Patients
Vestibular Patients







Reactive Step
Trainer™ 115 VAC*
50/60 Hz
Includes Support Bar



The RST shown in use with the Biodex Unweighing System.

NxStep Unweighing 950-485 system™ sold separately

SPECIFICATIONS:

- •Dimensions: 86" l x 27" w (218 x 69 cm) Walking Area: 64" l x 20" w (160 x 51 cm) Printer Stand: 24" l x 24" w (61 x 61 cm)
- •Deck: 1" thick (2.5 cm) reversible Teflon™ impregnated high density composite fiber
- •Motor: 2 HP with 2Q-Pulse Width Modulation Control
- •Speed Range:
- Forward: 0-10 mph (0-16 km/h)
- Reverse: 0-3 mph (0-4.8 km/h) in 0.1 mph (.16 km/h) increments
- •Gait Trainer Speed Range: .3 4.5 mph (.48 7.2 km/h)
- •Elevation: 0-15% Grade
- •Heart Rate Monitoring: Polar® contact handgrips (telemetry compatible)
- •Display: Color Touch-Screen
- •Printer: HP DeskJet
- •Power: 115 VAC, 50/60 Hz, 20 AMP dedicated line. Includes hospital grade plug with 12' (3.7 m) power cord.
- •Patient Capacity: 400 lb (182 kg)
- •Weight: 395 lb (179 kg)
- Certification:
- ANSI/AAMI ES60601-1:2005 + A1:2012 + C1:2009 and A2:2010

CAN/CSA-C22.2 No. 60601-1:14. IEC 60601-1:2012

EN 60601-1:2006/A1:2013 (CE) and IEC 60601-1:2005/A1:2012 (IEC)

Test to EMC Standard EN 60601-1-2:2015 and IEC 60601-1-2:2014

•Warranty: Two-years parts; one-year labor

Time / Velocity charts of the five clinical applications of the RST

| & | | Level 1 | Level 2 | Level 3 |
|------|-----------------------------|---------|---------|---------|
| (+ | Duration (msec) | 100 | 150 | 190 |
| 0140 | Maximum Velocity (cm/s²) | 37 | 55 | 70 |

Trunk Stability Trip

| -8- | | Level 1 | Level 2 | Level 3 |
|-------|-----------------------------|---------|---------|---------|
| - A-> | Duration (msec) | 500 | 500 | 500 |
| | Maximum Velocity (cm/s²) | 31 | 48 | 67 |

Step Stability

| -&- | | Level 1 | Level 2 | Level 3 |
|-----|------------------|---------|---------|---------|
| V-> | Duration (msec) | 500 | 500 | 500 |
| | Maximum Velocity | 31 | 48 | 67 |

Walk Stability

| 2 | | Level 1 | Level 2 | Level 3 |
|----------|-----------------------------|---------|---------|---------|
| ♦ | Duration (msec) | 100 | 120 | 100 |
| | Maximum Velocity (cm/s²) | -24 | -41 | -72 |

Trunk Stability Slip

| _&_ | | Level 1 |
|------|-----------------------------|---------|
| - Æ→ | Duration (msec) | 565 |
| | Maximum Velocity (cm/s²) | 112 |

E-Trip