

*"The Clinical Advantage"™*

# GAIT TRAINER 2™

*Bring patients up to speed with the right step length*



**MORE THAN A TREADMILL**  
It is the most important improvement  
to gait training since parallel bars

- **AUDIO AND VISUAL BIOFEEDBACK**
  - real time biofeedback prompts patients into a proper gait pattern.
- **OBJECTIVE DOCUMENTATION**
  - printed color reports track progress and document outcomes.
- **NORMATIVE DATA**
  - for comparison to healthy populations.

... all at an affordable price.

**BIODEX**



## MORE THAN JUST A TREADMILL

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

# GAIT TRAINER 2™

*Bring patients up to speed with the right step length*

### FEATURES

- **Audio and Visual Biofeedback**
  - real time biofeedback prompts patients into a proper gait pattern
- **Objective Documentation**
  - printed color reports track progress and document outcomes - ideal for insurance reimbursement
- **Normative Data**
  - for comparison to healthy populations
- **High Resolution Color Touch-Screen LCD Display**
  - easy to see and use
- **Patient Data Storage**
  - maintains records to track progress and issue reports for up to 500 patients
- **Data Export** – serial interface allows download of patient data to computer for archiving, reporting or export as a CSV file
- **Footfall Data Export**
  - a versatile research tool that can work with standard PC programs
- **Open Platform**
  - offers unobstructed use with unweighing systems (extended handrail options available)
- **Heart Rate Monitoring**
  - chest strap telemetry and contact handgrip to ensure proper training intensity

### INSTRUMENTED DECK

The Gait Trainer 2 is the only treadmill with an instrumented deck that monitors and records step length, step speed and right-to-left time distribution (step symmetry).

### AUDIO-VISUAL BIOFEEDBACK

Patients are motivated by the real time audio and visual biofeedback. They are prompted into proper gait patterns; step length, step speed and step symmetry. Biofeedback helps patients stay “on target” in each phase of rehabilitation; steps lengthen, step speed increases and symmetry improves.

### OBJECTIVE DOCUMENTATION

Ideal for insurance reimbursement.

Exercise Summary Reports track progress and document outcomes. The Biodex Gait Trainer 2 compares step length, step speed and step symmetry to age and gender-based normative data.

### APPLICATIONS

Stroke, Spinal Cord, Head Injury, Amputee, Orthopedic, Neurologic, Vestibular and Older Adult Patients

### PLUS... THE GAIT TRAINER 2 IS ALSO A GREAT TREADMILL

With all the features and benefits of the Biodex RTM600  
(For more information about the Treadmill features see the back of this brochure.)

*Touch-Screen Display* easy to see, easy to use, high-resolution color touch-screen LCD display provides instant biofeedback with audio-visual prompts to the patient

*Heart Rate Monitoring* using telemetry or contact feature to accommodate unweighing harnesses

*Sturdy Functional Support Bar*

*Safety Lanyard* when disengaged, belt movement stops immediately

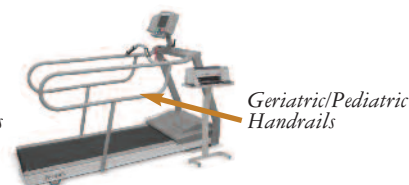
*Reverse Belt Direction* from 0–3 mph

*Elevation:*  
0 to 15% grade  
or -3 to -12% grade

### HANDRAILS:



*Extended Handrails*



*Geriatric/Pediatric Handrails*

**AUDIO-VISUAL BIOFEEDBACK**



Target

Previous Footfall

Footfall Screen



Histogram Screen - plots right and left step lengths / symmetry

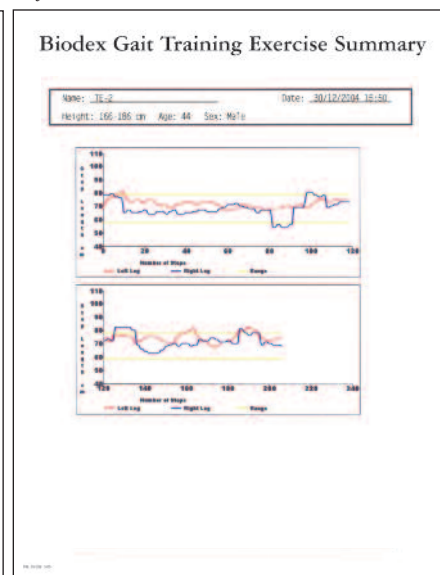
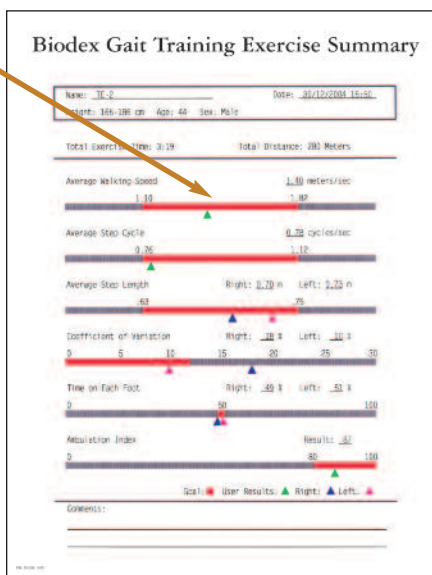
**NEW Open Platform** offers unobstructed use with unweighing systems



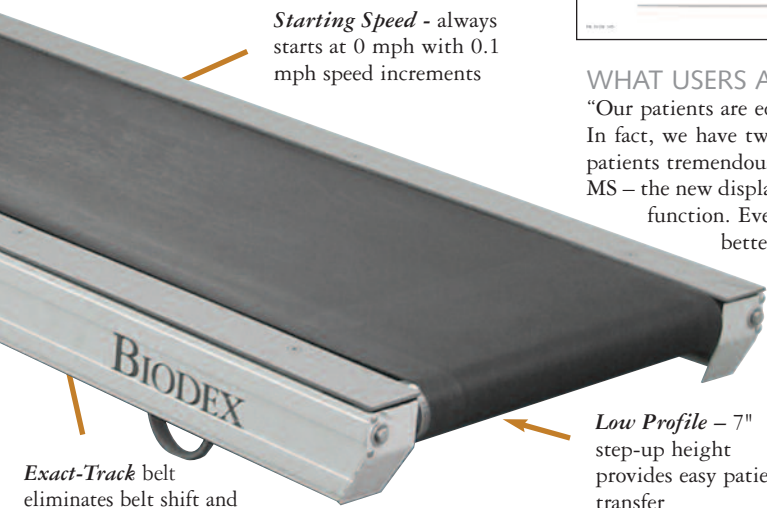
Shown with Biomedex Offset Unweighing System

Normal Range shown in red

**OBJECTIVE DOCUMENTATION** - Ideal for insurance reimbursement



Starting Speed - always starts at 0 mph with 0.1 mph speed increments



Exact-Track belt eliminates belt shift and tracking problems

Low Profile - 7" step-up height provides easy patient transfer

**WHAT USERS ARE SAYING ABOUT THE BIODEX GAIT TRAINER 2**

"Our patients are ecstatic to use the Biomedex Gait Trainer, it's an excellent piece of equipment. In fact, we have two at our facility, they're used everyday. The footfall screen is key. It helps patients tremendously. We're treating patients with stroke, traumatic brain injury, MS - the new display of the Gait Trainer 2 is bigger, easier to use and just enhances function. Even our patients without neuro disabilities like the Gait Trainer better than standard commercial treadmills. I would recommend this product to any facility providing neurorehabilitation services."



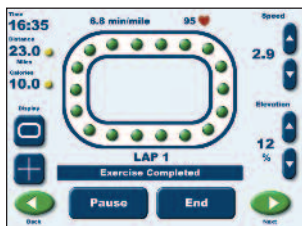
- Mitch Carr, MS, Ed, Rehabilitation Institute of Chicago



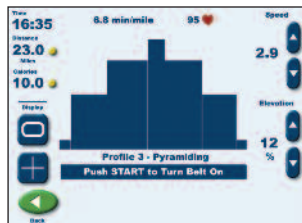
To order, call:  
**631-924-9000**  
or visit us @:  
[www.biomedex.com/gait](http://www.biomedex.com/gait)



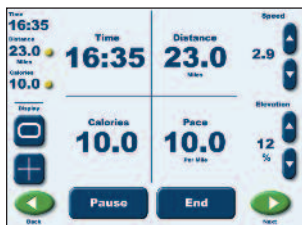
The Gait Trainer 2 is also a great treadmill with all the standard features you could need...



**Quick-start** Gets you up and going fast with 1/4 mile scaled track views.



**Pre-programmed and Custom profile modes** allow patient-specific treatment protocols – freeing up valuable therapist time.



**Large Print Screen** option, simple to use, easy to see... perfect for the older adult.

#### 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 4Q-Pulse Width Modulation Control
- **Speed Range:**  
Forward: 0-10 mph (0-16.9 km/h)  
Reverse: 0-3 mph (0-4.8 km/h) in 0.1 mph (.16 km/h) increments  
Gait Trainer Mode: Speed limited to 3 mph (4.8 km/h)
- **Elevation:** 0-15% Grade
- **Heart Rate Monitoring:** Polar® Telemetry (chest strap) and contact handgrip
- **Display:** Color Touch-Screen
- **Printer:** HP DeskJet
- **Power:** 115 VAC, 50/60 Hz, 20 AMP dedicated line, or 230 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:** 310 lb (140 kg)
- **Certification:** ETL and cETL listed to UL 2601-1, CAN/CSA C22.2 No.: 601-1-M90 and EN60601-1. CE conformity to M.D.D. 93/42/EEC
- **Warranty:** Two-years parts; one-year labor



**950-385** Gait Trainer 2™, 115 VAC 50/60 Hz  
*Includes Support Bar*

**950-379** Gait Trainer 2™, 115 VAC 50/60 Hz  
*Includes Extended Handrails*

**950-380** Gait Trainer 2™, 115 VAC 50/60 Hz  
*Includes Geriatric/Pediatric Handrails*

*Export models available.*

**Optional**

**950-389** Software, Patient Data Collection  
*Includes: 9-PIN Serial Cable (10 ft) and USB to Serial Converter*

U.S. Patent No. 6,645,126 B1



**Certified Quality Management System**

FN: 08-120 4/08

# The Biodex Gait Training System

“Combine the Biodex Gait Trainer 2 and the Biodex Unweighing System to create the Biodex Gait Training System. One of the major considerations for stroke patients is to develop symmetry of walking in a functional velocity. The Gait Trainer 2 encourages the patient toward symmetry. My patients have benefited from the symmetry by using the target settings, which prompts them to stretch out with the unaffected leg. Patients capable of evoking an overlearned or central pattern generator response have a much easier time once they approach a one cycle per second time because it does not require focused concentration.



In essence, gait training may actually be a process of creating a feeling of security and thereby reduce the tendency to walk slowly. This feeling of confidence, without the struggle to hold themselves up, permits them to focus on making even steps. Meanwhile the therapist can increase belt speed as step length and speed of the affected lower limb permits. Attaining a cycle velocity that is faster than 1.6 seconds typically evokes a more symmetrical pattern of leg motions. The last phase involves decreasing the unweighing but maintaining the velocity at an optimal level. Should the gait become asymmetric again, the unweighing could be increased, but the velocity maintained. Make sure the patient does not incline the trunk forward to increase velocity.”



– Arthur J. Nelson, PT, Ph.D., F.A.P.T.A., Physical Therapy Associates

## THE BOTTOM LINE...

### REIMBURSEMENT:

Physician referral and ICD-9 codes:

- V15.88 Personal History of Fall
- 728.9 Muscle weakness
- 780.79 Leg weakness
- 715.0(x) Degenerative joint disease
- 715.2 Osteoarthritis as a secondary condition
- 719.9(x) Difficulty in walking
- 719.4(x) Pain in joint
- 719.5(x) Stiffness in joint
- 718.8(x) Instability in joint

The following CPT codes can be applied.

- Reimbursement amounts vary among plans and states.
- 97110: Therapeutic activities one or more areas (strength, endurance, flexibility, ROM) each 15 minutes
  - 97112: Neuromuscular reeducation, each 15 minutes
  - 97116: Gait Training, each 15 minute area
  - 97530: Functional activities, one area, each 15 minutes
  - 97750: Physical performance test and measurement with written report, each 15 minutes

*Insurance reimbursement for gait rehabilitation is dependent on local/state regulations and guidelines. Check with your local regulations and providers for more information.*

**For sample reports, CPT codes, testimonials, applications and extended warranty information, visit us on the web at [www.biodex.com/gait](http://www.biodex.com/gait).**

# BIODEX

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