vector
Gait & Safety System®

VECTOR SPECIFICATION

Backed by Bioness®

VECTOR FEATURES (✳ MARKET LEADER)

System Functionality	• Body Weight Support • Gait Training • Pre-gait Training • Fall Prevention • Balance Training
Patient Weight Capacity	✳ Certified by UL up to 500 pounds (227 kg)[1]
Dynamic Body Weight Support Range	✳ 10-200 pounds (5 to 91 kg)
Tracking Speed	✳ Up to 6 mph (0-2.7m/s)
Responsiveness	✳ 1000 Hz (monitors patient movement 1000 times per second)
Multiple System Capability	✳ Up to 3 systems can be installed on the same track
Fall Protection	Clinician controlled distance of 1-36" or disabled
Bioness Harnesses	✳ 10 sizes, pediatric to 5XL
Integrated Assessment Tools	✳ Proprietary Outcome Measurements including TUG, timed (i.e. 6 min) and distance (i.e. 10 meter)
Preventative Maintenance & Service Plan	✳ Available in 1-4 year plans to maximize System performance
Ceiling Height Requirement	✳ Low ceiling compatible; Minimum of 8' 10" required
Marketing & PR Support	✳ Included. Enterprise Marketing Kit designed to attract patients and increase physician referrals

SAFETY

UL® Certified	✳ Standard
Emergency Stop function on every screen	✳ Standard
Emergency Lower function on every screen	✳ Standard
Audible and Visual alerts	Standard
Emergency back-up power in the event of facility power loss	Available
Watchdog Sensing	Standard

CONTROLS AND COMMUNICATION

Computer User Interface	Touchscreen PC on mobile cart; Windows 8 OS; proprietary software
Wireless User Interface	Remote 5" Handheld, Android OS
Communication Network	✳ Programmable 5 GHz 802.1a or 2.4 GHz 801.1b network

TRACK

Track Design	Included
Structural Analysis by Professional Engineer	Included
Track Installation	Included
Track Dimensions	✳ • 10 - 400 feet • Completely customized to facility size and needs. (e.g. straight, curved, u-shape, closed loop) • Treadmill Integration

SOFTWARE

Encrypted, SQL database	Standard
HIPAA compliant patient database	Standard
Exportable training reports	Standard; Customized with facility logo and contact information
Proprietary Outcome Measurement Tools	Available
User Interface Layout	Single screen training controls for simplicity and flexibility
Emergency Stop and Patient Lower Controls on every screen	Standard
Database Network Sync	Standard
Posterior Tracking Mode	Standard
Timers	Stopwatch format for task specific activity
Functional Soft Walls	Standard

TRAINING

Two-tier training program: User and Advanced Certified User	Included; Bioness is the only company that offers a no charge certified user training 60 days after the initial training

CERTIFICATIONS

FDA Listing Number: D203102

CE Mark: Class I, registered with the Dutch Competent Authority

UL® Certified, File Number: E359825

ISO-13485 Certified and Regulated Manufacturer

IEC 60601-1, 3rd Edition: General Requirements for Basic Safety and Essential Performance

FCC Class A/ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10): General Requirements for Basic Safety and Essential Performance (includes Deviations for United States)

CAN/CSA-C22.2 No. 60601-1 (2008): General Requirements for Basic Safety and Essential Performance (includes National Differences for Canada)

EN 60601-1: 2006 + CORR: 2010: General Requirements for Basic Safety and Essential Performance

EN 60601-1-2:2007: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic compatibility - Requirements and tests. IEC 60601-1-2:2007 (Modified).

EN ISO 13485:2003: Quality Management Systems	**IEC 61000-4-2:** Electrostatic Discharge
EN 1041:2008: Information supplied by the manufacturer of medical devices	**IEC 61000-4-3:** Radio Frequency Electromagnetic Field Amplitude Modulated
EN 980: 2008: Symbols for use in the labeling of medical devices	**IEC 61000-4-4:** Electrical Fast Transients
EN ISO 14971: Application of Risk Management to Medical Devices	**IEC 61000-4-5:** Surge
EN 55011: Radiated and Conducted Emissions	**IEC 61000-4-6:** Radio Frequency Common Mode
EN 61000-3-2: Harmonic Current Emissions	**IEC 61000-4-8:** Power Frequency Magnetic Field
EN 61000-3-3: Voltage Fluctuations and Flicker	**IEC 61000-4-11:** Voltage Dips and Interruptions

ISO 62366: Application of Usability

1. Software release Q3 2016

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