



Balance Assessment & Rehabilitation

korebalance[®]





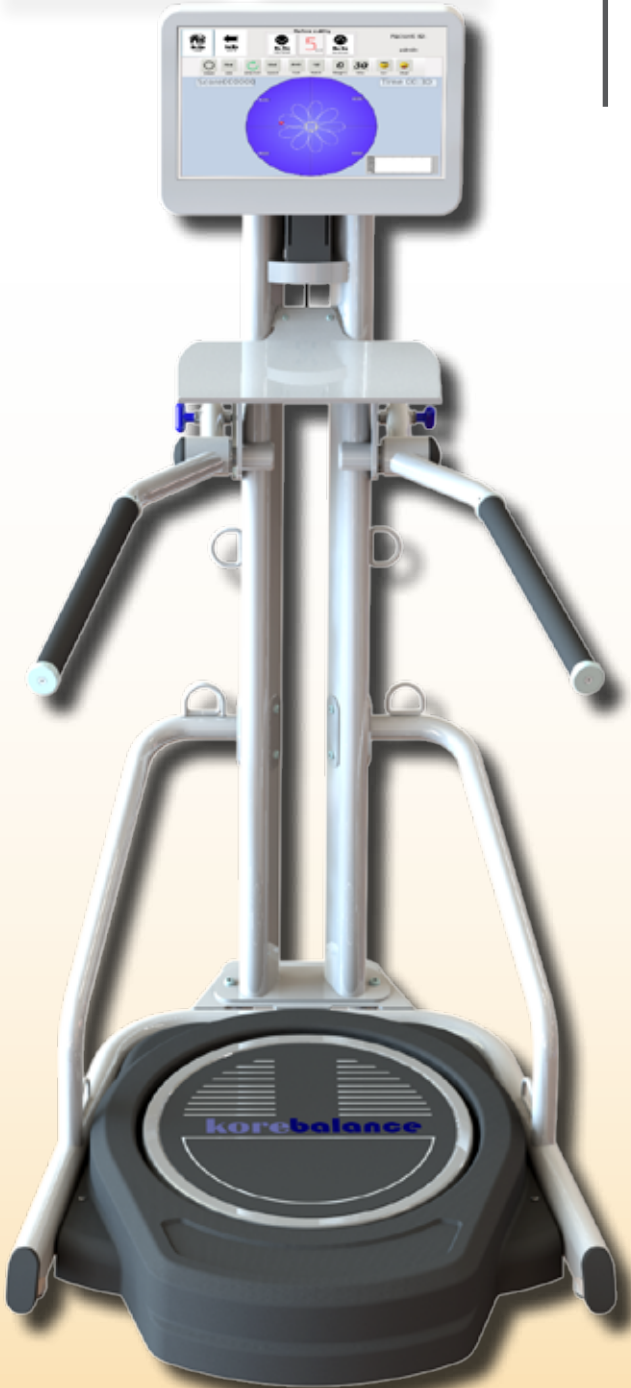
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**korebalance®
premiere
&
korebalance®**

The Korebalance® Premiere and Korebalance® are designed for use by medical centers and clinics, medical and PT offices, assisted living facilities, recreation centers, health and fitness clubs, universities and professional sport teams. The Korebalance® System uses the latest in virtual and interactive technology, offering innovative high-tech balance assessment and training. Backed by over two decades of medical experience, Korebalance® will provide you and your patients with the best possible documented neurosensory assessment and training.

A trusted name in orthopedic and neurosensory rehabilitation.



**korebalance®
premiere**

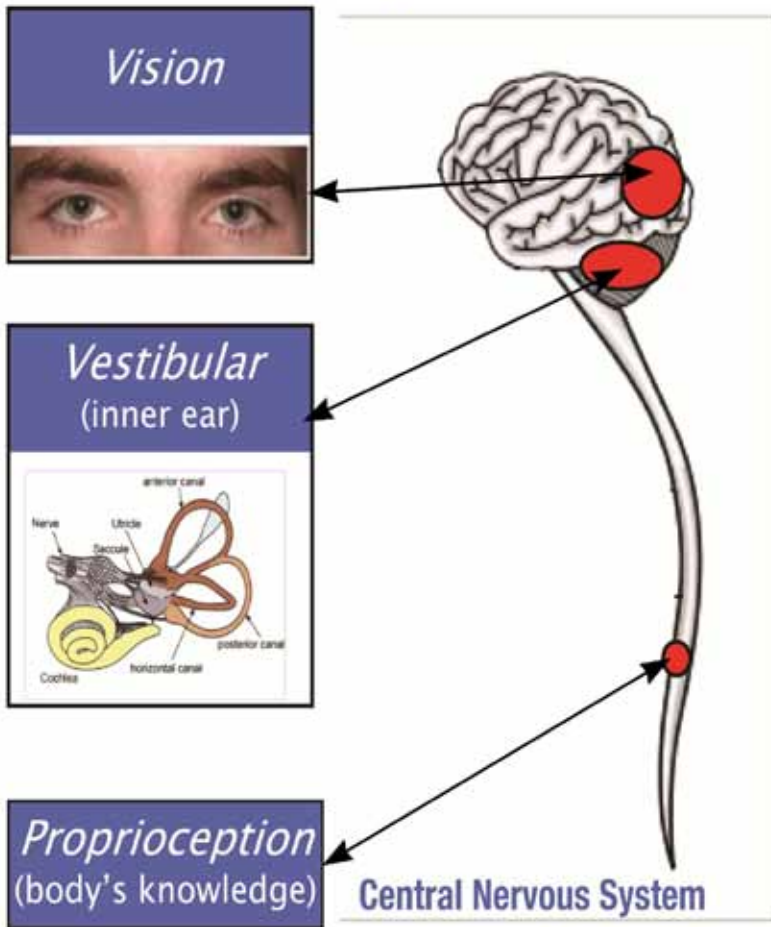


korebalance®

What controls your balance?

How It Works:

Peripheral System



These three systems (vision, vestibular, proprioception) are required to ensure proper balance. Each sends a signal through the central nervous system, which the brain interprets. The brain must then send the proper signal to the muscles causing contraction; Korebalance® is the world's first balance training system incorporating VSR training together with cognitive interaction. Korebalance® exercises visual, vestibular (inner ear) and proprioception (knowing where the body is in space) to find or create new pathways in the brain, improving balance. Korebalance® is an essential component of any rehabilitation program. It delivers a higher quality of therapy by allowing healthcare professionals to customize programming and gradually adjust difficulty levels and tasks over time.

Korebalance® Premiere and Korebalance® will assist you in achieving the following benefits:

- Using the body's balance mechanism to send stimuli through the central nervous system (CNS) to the skeletal muscles
- Re-mapping and retraining neuropathways
- Return of vestibular functionality for mild traumatic brain injuries (mTBI)
- Improving the body's ability to respond to an unstable environment
- Increasing confidence for seniors to react and recover from impending falls
- Improving agility, reaction time & motor control

Korebalance® Products are designed to aid in the following balance disorders:

Post Orthopedic Surgery
Post Acoustic Neuroma Resection
Meniere's disease
Vertiginous Migraines
Vestibular Neuronitis
Presbystasis
Closed Head Injuries
Multiple Sclerosis
Ataxia
Parkinson's Disease
Neuronitis
Stroke
Peripheral Neuropathy

korebalance® 3.0 Improvements



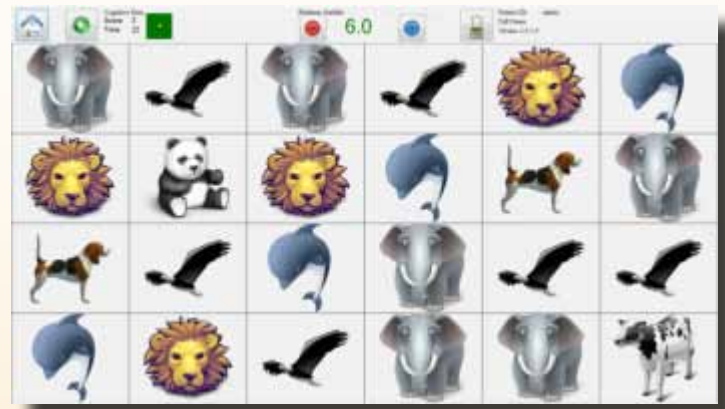
The Korebalance® software allows practitioners to objectively assess balance. Our products feature patent pending variable stability technology. Training programs stimulate the brain and nervous system to improve balance, stability, coordination and posture. Interactive 3D games make training programs fun and captivating, increasing positive feedback and compliance.

Korebalance® provides an efficacious high tech solution for a variety of medical challenges. This modality captures and retrains balance performance with reproducible settings and engaging software.

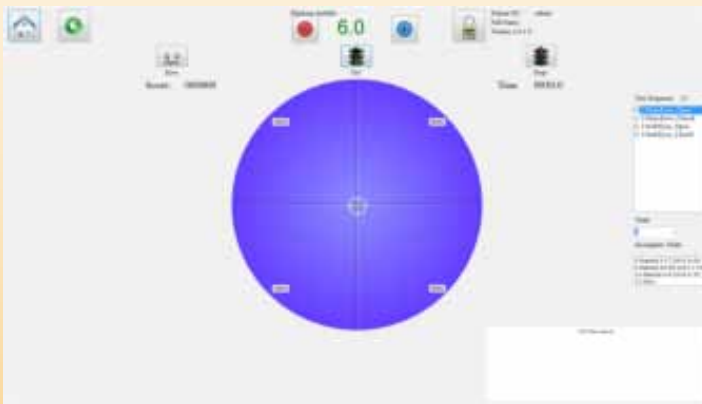
Applications include fall reduction screening and rehabilitation, orthopedic rehabilitation, treating of peripheral neuropathies, treatment and assessment of mTBI and cognition, and identification of symptom magnification.

These applications span physical and occupational therapy, long term care and skilled nursing, athletic training, industrial medicine and neurology.

The Korebalance® KB22 Premiere, KB19 Professional, KB19 Standard and Kompact feature optional cognition baseline and training module. The testing and training session can include both balance and cognition, cognition only, or balance only. Test results can be stored and compared to assess mental decline and mTBI improvement or regression.



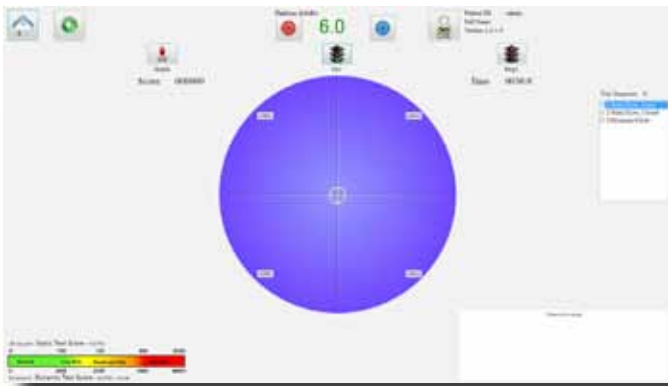
mCTSIB and LOS tests with standardized variable control. (Available as an option on all computerized Korebalance® products).



Simplified standardized test format



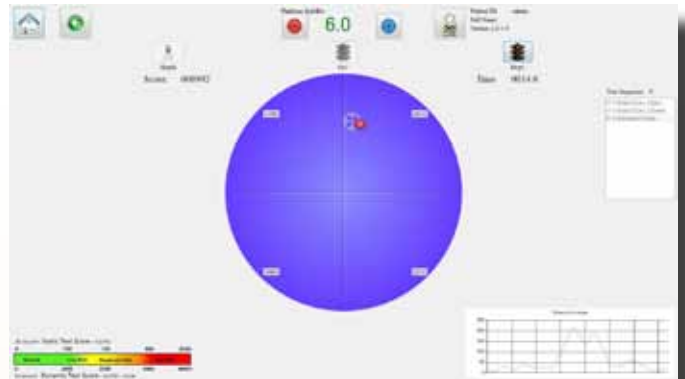
Static Test requires the patient to stand steady & balance on the platform, keeping the crosshairs of the cursor in the center of the test pattern. The Score indicates the deviation of user's center of gravity from the center of the pattern.



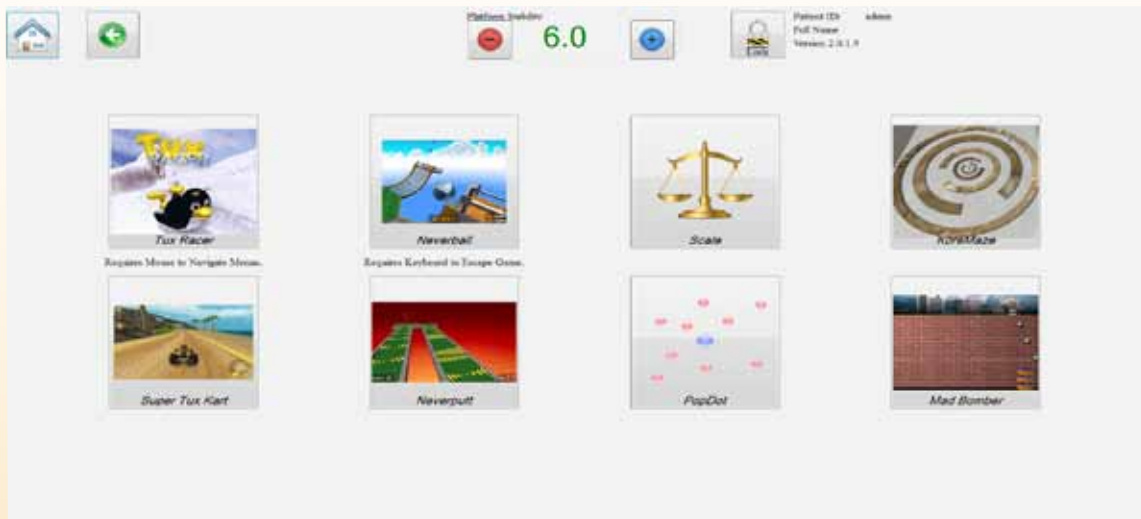
Detailed Results Screen: Touch the result that the user would like- see the detailed information and graphic display. It can be easily navigated and printed out in color.



Dynamic Test offers a moving cursor that the user "follows" utilizing hip and ankle strategies.



Optional Interactive Games: Increase user interaction and compliance; make training process fun and captivating. Numerous game variations.



- ≈ **FUN, INTERACTIVE 3-D TRAINING PROGRAMS AND GAMES**
- ≈ **UNLIMITED DATA STORAGE AND REPORTS**
- ≈ **LEADING EDGE TOUCHSCREEN INTERFACE WITH A CHOICE OF SIZES**
- ≈ **COORDINATED FUNCTIONAL USE OF ALL THREE PERIPHERAL SYSTEMS** (Vestibular, Vision and Proprioception)
- ≈ **VARIABLE STABILITY SETTINGS** The pneumatic pressure system has 16 stability settings. Settings can be adjusted from very stable for the senior population to extremely challenging for professional athletes, and everyone in between.

Korebalance® = Exceptional Hardware

Windows operating system for increased reliability and user-friendly interface

USB ports for installing software upgrades

Powerful computer/touchscreen combination with capacity to securely store patient files.

mount/dismount feature provides a stable ingress and egress surface

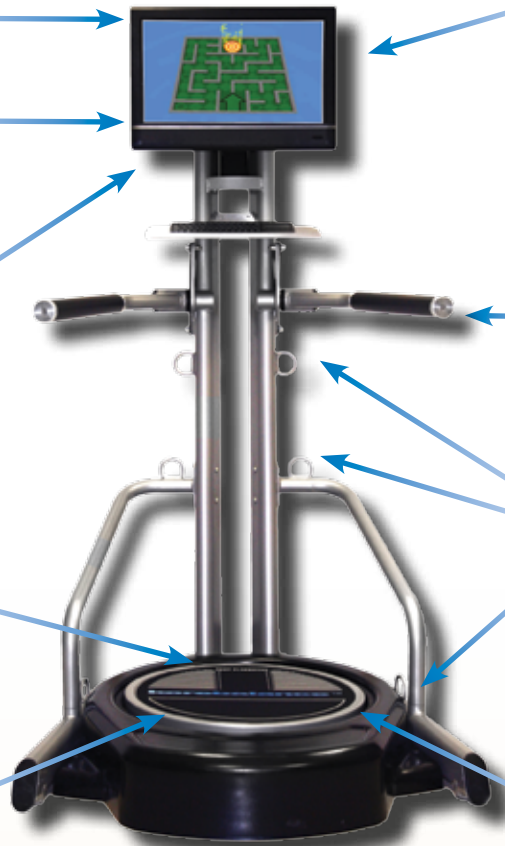
Platform with 360° horizontal and 20° vertical movement tracking.

Choice of large surface acoustic wave digital flat panel LCD touchscreens with integrated quality stereo speakers. Medical grade touchscreen/computer available with Korebalance® Premiere 22

2" Hardened steel safety hand rails (fully adjustable on the KB22 Premiere and KB19 Professional)

6 Exercise band attachment points to enhance training

Large dynamic platform with padded neoprene cushion for comfort and safety.



Patient safety support belt, enabling practitioners to safely test and train patients.

“For many years, I have used Korebalance® machines in my offices for successful treatment of my patients. I have found it particularly helpful to incorporate these proprioceptive training protocols in treating patients with various balance anomalies. This has improved patients’ static and dynamic balance. This training utilizes and improves both ankle and hip strategies effectively. By using guidelines of adjustable pressure under the unstable platform in relation to the patient’s height, we have found an improvement in balance with pre vs. post rehabilitation tests for patients with both peripheral and central vestibular deficits, originating from various medical diagnoses. The machines have become an integral part of the balance treatment protocols we’ve instituted for our patients, and our outcomes certainly are improved by their use. I believe the machines are successful in diminishing fall risk in my patients.”

Jim Buskirk PT, SCS
 President/Owner
 Balance Centers of America / Peak Therapeutics

Model#: KB22

- 22" Medical Grade, 16:9 wide screen , 5 wire resistive touch display.
- Resolution: 1920x1028
- Processor: Intel B840 1.9GHz
- Memory: 4GB
- WiFi enabled
- Hard Drive: 250GB
- Video: The Intel® Graphics Media Accelerator 3000HD includes built-in support for full 1080p HD video playback
- Audio: Realtek High Definition Audio enables premium Dolby Digital 5.1 surround sound. Two built-in 3.0 watt stereo speakers.
- I/O: 1 x RS232, 4 x USB 2.0 Ports, 1 x RS232/422/485 DVI-I monitor out port Microphone-in & line-out
- Safety & Certifications: EN60601-1 & UL60601-1 Medical Electrical Equipment Certification, FCC Class B, CE, RoHs-WEEE, Energy Star 5.0
- Front bezel is completely sealed with a rating of IP65, and IPX1. Safe to disinfect by spraying directly on the screen.



Model#: KB19 Professional and KB19 Standard

- 19" 4:3, 5 wire resistive touch display
- Resolution: 1600 x 1200
- Processor: Intel E5500 2.8Ghz Processor
- Memory: 2GB
- WiFi enabled
- Hard Drive: 500GB HD
- Video: The Intel® integrated H61 Chipset, with Intel® HD Graphics, maximum display resolution of 2560 x 1600
- Audio: Realtek High Definition Audio enables premium Dolby Digital 5.1 surround sound. Two built-in 2.5 watt stereo speakers with three audio jacks for Audio Out, Line-in, and Microphone
- I/O: 2 x USB 3.0 Ports, 4 x USB 2.0 Ports, 1 x RS-232 Serial Port, 1 x DVI-I.
- Safety & Certifications: FCC Class B, CE, UL60950, Energy Star 5.0, RoHS, WEEE



Machine Specs for Model#'s:

KB22 Premiere, KB19 Professional and Standard

- Footprint: 44" x 58" (112 cm x 148 cm)
- Height: 80" (203 cm) - fully extended
- Platform has 360° horizontal and 20° vertical range of movement
- Individually adjustable safety rails, catering to user's physical ability and height (available on KB22 Premiere and KB19 Professional).
- Fixed safety rails on model KB19 Standard
- 6 Exercise band attachment points
- Large, stable stepping platform with low step-up height for ease of access and safe mount and dismount.
- Power: 100-240 VAC; 50/60 Hz; 500 Watt
- Machine weight: 315 lbs. (143 kg)
- Patient weight capacity: 500 lbs. (227 kg)
- Available in white frame
- Warranty: frame/15 years
wear items/1 year
electronics/1 year
22" medical grade computer/2 years
19" computer/1 year
17" computer/1 year
- Made in the USA



Fixed safety rails on model KB19 Standard



Adjustable safety rails only on models KB22 Premiere and KB19 Professional

“Pushing forward the idea of rehabilitation and fall prevention, if you have an awareness of your balance (or proprioception) and you train to keep it at its highest peak, like we do with flexibility, strength and endurance, we’re going to see a reduction in injuries. I think the Korebalance® is a wonderful product. Balance equipment utilizing the unstable platform, such as the Korebalance® machine, really is one of the greatest inventions of the 21st century... We found that by using the unstable platform, we are able to diagnose where [people] are weak and retrain those fibers, and to re-teach the body reflexes necessary for proper balance. The equipment is an invaluable tool for aiding proprioception - the body's ability to know where our extremities are and to keep us balanced. And it allows us to effectively get a person back up to speed faster, ready to go back to full duty.”

Captain Joseph Moore, US Navy, M.D., Medical Director, Miramar Sports Medicine And Reconditioning Team (SMART) Center, Former Commanding Officer of the Medical Treatment Facility aboard the Military Sealift Command (MSC) hospital ship USNS Mercy (T-AH 19).



kore balance[®] kompact

Features

- The re-designed Korebalance[®] Kompact includes a portable safety rail system with integrated wheels and can fit through a standard size doors.
- Korebalance[®] Kompact includes: platform, foot pump, variable air pressure bladder system, analog pressure gauge, tilt sensor, 19" touch screen monitor/computer and adjustable computer stand, keyboard and safety frame.
- Korebalance[®] proprietary software and integrated 19" touch screen computer provide a variety of testing and engaging testing options.
- Patent pending stability system provides multiple levels of progressive balance challenge with 360 degrees of rotation and 20 degrees vertical deflection.
- The optional comprehensive program that combines baseline assessment, proven strengthening regimen, and post injury assessment, including both cerebrum (cognitive) and cerebellum (automatic) function.
- Optional Cognition and Parkinson's Suite and multiple game package
- Static testing modes includes a Medicare patient data base for comparison.
- Non-stick neoprene pad on platform for added safety
- Real time, visual biofeedback
- Static and dynamic balance assessment and training
- Neverball game (3D, virtual reality) is included
- Objective documentation - printable color reports to track progress and document outcomes.

Kompact Specs

- 19" touch display.
- Platform footprint: 23" diameter (58.4 cm)
- Weight: 105 lbs. (48 kg)
- Patient weight capacity: 500 lbs (227 kg)
- Warranty: 1 year
- Made in the USA



Korebalance® Concussion Management Program

The Korebalance® Concussion Management Program works in conjunction with the Korebalance® kompact and cognition software package.

This catalog contains an introduction to the Korebalance® Concussion Management Program. For more information on our concussion management program, please contact us.

Korebalance® Concussion Management Program

The comprehensive program that combines baseline assessment, proven strengthening regimen, and post injury assessment, including both cerebrum (cognitive) and cerebellum (automatic) function.

Document- Individual's pre-season balance and cognition

Protect- Strengthen neck musculature with Nautilus® Neck Protocol

Assess- Post concussive event

Rehabilitate- Using strength and balance training

Return- Use objective test information to determine return to action

"Post concussion injures in the athlete/ client often cause vestibular disorders - some say up to 90%. Vestibular disorders in the assessment and treatment of post concussed patients/ athletes is often missed with the general screens for balance. More sensitive testing is needed. At Werner Institute, KOREBALANCE equipment is used daily to initially assess the vestibular and balance systems and to allow us to progressively challenge the patient/ athlete. We are believers in this technology and endorse its use."

Brian Werner, PT, MPT
President
Werner Institute for Balance and Dizziness

Nautilus ONE®

Four Way Neck Machine **NAUTILUS® NECK STRENGTHENING PROTOCOL**

- Expert-endorsed neck strengthening protocol for reduction of concussion risk, included in Korebalance® Concussion Management Program.
- Used in conjunction with Korebalance® Mobile balance assessment and rehabilitation computerized equipment.



Renowned author, strength consultant and Professor of Exercise Science, Dr. Wayne Westcott gives an enthusiastic seal of endorsement to the Nautilus® neck strengthening protocol – an important component of the Korebalance Concussion " Program.

"I could not be more pleased with the Korebalance Concussion Management Program. Every aspect of this innovative neck strengthening and conditioning program is excellent. We have used the recommended training protocol and most of the suggested exercises for many years with highly reinforcing results. The relatively brief time commitment required to perform these advantageous exercises is an investment well-worth making for both the muscle strengthening benefits and the reduced risk of serious neck injuries. My heartfelt congratulations for designing and developing this practical, performance oriented program to help athletes at risk for neck injuries and concussions."



korebalance® mobile

The Korebalance® Mobile is designed for use by medical centers and clinics, medical and PT offices, assisted living facilities, recreation centers, health and fitness clubs, universities and professional sport teams.

Features

- Korebalance® Mobile includes: platform, hand pump, variable air pressure bladder system, analog pressure gauge, tilt sensor, laptop computer and carry bag.
- Variable air pressure bladder system and a tilt sensor (solid-state accelerometer) underneath the platform to track 360° horizontal and 20° vertical movement.
- Proprietary balance software provides balance and vestibular assessment, creates training programs, stimulating the brain and nervous system to improve balance, stability, coordination and posture.
- Bladder pressure is controlled by a handheld pump, providing variable stability.
- Non-stick neoprene pad on platform for added safety
- Real time, visual biofeedback
- Static and dynamic balance assessment
- Neverball game (3D, virtual reality)
- Objective documentation - printable color reports to track progress and document outcomes
- Patient data storage - store over one million reports



The Korebalance® Mobile is shown here with included laptop stand and carrying bag

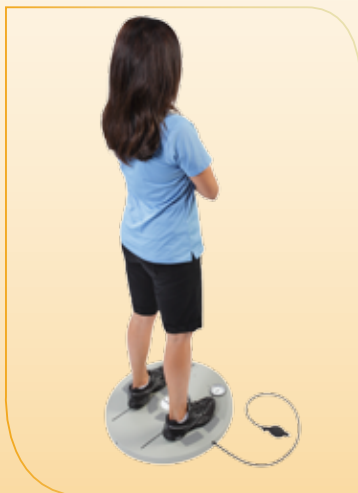
Mobile Specs

- Platform footprint: 23" diameter (58 cm)
- Platform weight: 22 lbs. (10 kg)
- Patient weight capacity: 500 lbs. (227 kg)
- Laptop computer included (spec to vary)
- Warranty: 1 year
- Made in the USA

korebalance[®] basic

Features

- Korebalance[®] Basic includes: base stand, platform, hand pump, variable air pressure bladder system and analog pressure gauge.
- Variable air pressure bladder system which allows 360° horizontal and 20° vertical movement.
- Hand pump control which allows for manual inflation and deflation of the air bladder to adjust the level of difficulty.
- Non-stick neoprene pad on platform for added safety.
- No power supply required
- Proven effective for orthopedic deficiencies.
- Compact and easily transported



The Korebalance[®] Basic provides training programs, improving balance, stability, coordination and posture. Designed for use by individuals, clinics, medical and physical therapy offices, recreation centers, health and fitness clubs, universities and professional sports teams.



Basic Specs

- Platform footprint: 23" diameter (58.4 cm)
- Platform weight: 22 lbs. (10 kg)
- Patient weight capacity: 500 lbs. (227 kg)
- Warranty: 1 year
- Made in the USA

In the interest of product development and improvement, specifications subject to change without notice.



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