![OrthoBalance Physical Therapy logo]

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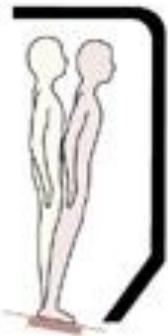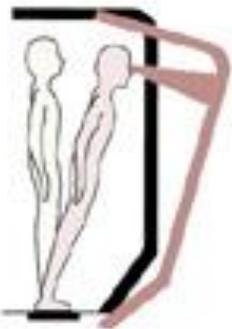Tel: 1-516-482-0100 Fax: 1-516-482-0172

SMART Balance Master®

Description

The SMART Balance Master® provides objective assessment and retraining of the sensory and voluntary motor control of balance with visual biofeedback on either a stable or unstable support surface and in a stable or dynamic visual environment.

Moving Surface (Rotate)

Moving Surround

The System utilizes a dynamic 18" x 18" dual forceplate with rotation capabilities to measure the vertical forces exerted by the patient's feet; and a moveable visual surround.

Objective Assessment Protocols

The interactive technology and clinically proven protocols allow the clinician to objectively and systematically assess sensory and voluntary motor components of balance control. The objective data helps the clinician accurately identify underlying impairments for more effective treatment planning.

The SMART Balance Master includes the following standardized assessment protocols, necessary for balance gait and fall prevention:

Sensory Impairments	Motor Impairments	Functional Limitations
Sensory Organization Test (SOT)	Adaptation Test (ADT) Limits of Stability (LOS) Rhythmic Weight Shift (RWS) Weight Bearing Squat (WBS)	Unilateral Stance (US))

Dynamic Training Protocols

Interactive, functional training exercises using visual biofeedback, coupled with sensitive, real-time monitoring of movement motivates patients to achieve greater balance control faster. Exercise protocols available on the SMART Balance Master can be tailored to meet individual patient needs and can be progressed as the patient's capabilities improve.

Proprioceptive/sensory-motor and visual training can be enhanced as the clinician can independently set the movement of the support surface and/or visual surround:

- **Responsive:** The support surface and/or visual surround move in response to, and as a result of patient movement.
- **Variably Responsive:** The surface and/or visual surround move in response to the patient, but the degree of movement varies each time the patient moves.
- **Random:** The surface and/or visual surround movements are computer driven and are completely unpredictable so the patient must constantly adjust their balance in response to the changing surface and/or visual environment.