

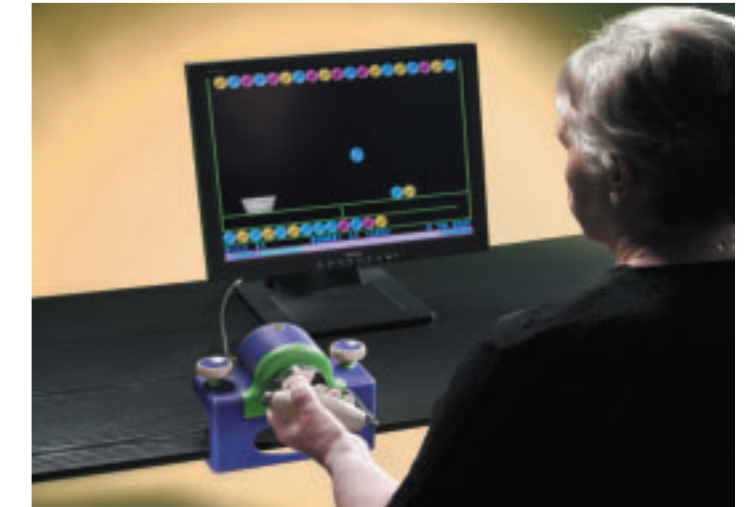
EXERCISE OVERVIEW

The **E-LINK** Exercise modules provide computerized gradable activities for therapeutic exercise of the hand, upper & lower extremities, head, neck & back.



E4000 UPPER LIMB EXERCISER

The **E-LINK** Upper Limb Exerciser is designed for active and active resistive upper extremity exercise.



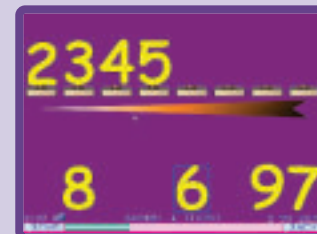
Exercise modules are:

- ▶ **E4000** Upper Limb Exerciser
Active and active resistive exercise for the wrist, forearm, and shoulder.



▶ M600 Exercise Kit

- ▶ **Myo-EX** is surface EMG for exercise and biofeedback
- ▶ **AngleX** sensors for active exercise against gravity



All **E-LINK** Exercise Modules have screens that allow the baseline movement or muscle activity to be measured. This measurement is then used to define the parameters for exercise in the Activity set-up screens.



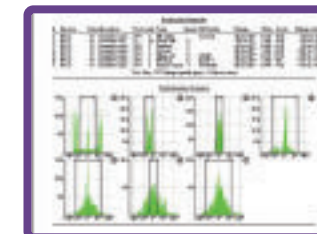
The **E-LINK** Exercise software consists of 19 Activity Modules. The Activity module parameters are set by the Therapist and may be graded depending upon a patient's physical and cognitive status.

The Activity Modules are designed for a wide variety of clinical applications. Simple basic modules are appropriate for patients with neurological involvement such as early stroke rehabilitation and for pediatrics. More complex and challenging modules are used as the patient progresses and for orthopedic rehabilitation.

The **E4000** and the **M600** require the **X4 InterX** Unit as the interface to the computer.

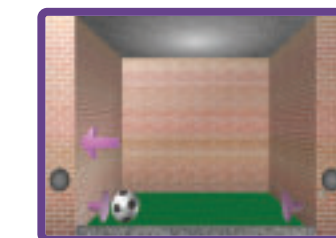


The various tools provide wrist flexion/extension, radial/ulnar deviation, forearm pronation/supination, elbow flexion/extension, shoulder flexion/extension, abduction/adduction, internal/external rotation.



The versatility of the parameters allows rehabilitation for a wide range of orthopedic and neurological patients.

- ▶ Range of motion used for exercise can be set as little as 2 degrees, exercising patients with very little motion, through to full range of motion.
- ▶ The resistance can be adjusted, at the lowest level starting as soon as the patient is cleared for active exercise, increasing the resistance as the patient progresses through rehabilitation.
- ▶ The Activity Modules can be graded for speed and difficulty. This allows a graduating course of therapy for each patient. The interactive Activity Modules engage the patient in the process, provide motivation and feedback, and eliminate the boredom associated with repetitive exercise.
- ▶ The versatility of the Activity Modules address a wide range of physical and cognitive needs. From simple end range to end range, gross motor activities to various type of matching and sequencing of objects to complex spatial relationships requiring fine motor control.



Physical Rehabilitation to Restore Function for Patients with Limitations in Upper Extremity Use:

- ▶ Increase Range of Motion
- ▶ Increase Strength
- ▶ Increase Endurance
- ▶ Motor Learning and Control
- ▶ Tactile Sensitivity
- ▶ Velocity of Movement
- ▶ Positive Impact on Essential Activities of Daily Living
- ▶ Both Fine Motor and Gross Motor Activities

Treatment for Patients with Neurologically Related Cognitive and Perceptual Deficits:

- ▶ Eye-hand Coordination
- ▶ Color Perception
- ▶ Spatial Perception
- ▶ Visual Tracking & Scanning
- ▶ Sequencing of Activities
- ▶ Object Association
- ▶ Concentration
- ▶ Neuromuscular Re-education and Control
- ▶ Visual Field and Visual Attention Deficits