



SIMULATOR II

APPLICATIONS

- cardiopulmonary
- neuro-rehabilitation
- older adult
- industrial rehabilitation
- functional capacity evaluation
- lift & effort testing
- upper extremity rehab

From advanced technology comes an advanced clinic. The Simulator II is an entire evaluation and rehabilitation centre in one compact, computerised device.



SIMULATOR II Just some of the options available...



Turn a valve



Grip strengthening



Shoulder flex/ext



Geriatrics



Cardiac conditioning



Open a jar



Push a broom



Use a ratchet

Advanced technology

The **Simulator II** is an entire evaluation and rehabilitation centre in one compact, computerised device. Now you can strengthen and evaluate patients in the most reliable way possible. This versatile system will help you serve a wider range of patients – and enhance your practice. It provides precise data to help therapists make better decisions, provide superior treatment, improve outcomes and expand services. All in all, this product improves the therapy experience for the patient and the therapist – maybe that's why it's the most proven and recognised system in OT and PT for functional rehabilitation.

Provide evidence-based outcomes

The **Simulator II** is the result of over 25 years of research and development and clinical experience. Its advanced protocols let you duplicate the actual movements and stresses of many real-life tasks. This gives you the flexibility to either select from a list of preset treatment templates, or design customised treatment programmes that meet the individual needs of your unique patients. The **Simulator II** will help enhance patient outcomes and get them back to work, back to self-care or back to play faster than traditional strengthening programmes.

Hundreds of uses

This compact unit lets you simulate hundreds of real-life activities, using the natural feel of isotonic resistance. Replicate tasks from home, work or even sport. Adjust the computer controlled resistance level to match anything from the delicate resistance of turning a small key, to the high load of lifting a heavy box. Simulating functional tasks helps patients understand their progress and increases their confidence. Document their return to function with the easy-to-use software that automatically provides progress graphs and eliminates the tracking of manual therapy and manual notes.

Easy to use

The touch screen offers large buttons with easy to understand selections. It's so simple to use that patients can actively operate their treatment routine as they progress from one exercise to the next, which keeps them involved and better motivated. Best of all this frees up your time for other patients needing hands-on treatment.

SPECIFICATIONS

- Operational dimensions: 183 x 183 x 83cm high
- Weight: 260.8kg
- Power: Dedicated 220-240v circuit, 50 Hz, 7.5 amps
- Warranty: 1 year parts and labour



Evidence-based reference examples

ANDERSON PA, CHANOSKI CE, et al. Reliability - Normative study of grip and wrist flexion strength employing a BTE Work Simulator. *J Hand Surg* 15A(3): 420-25, 1990

MCCLURE PW, et al. The reliability of BTE Work Simulator measurements for selected shoulder and wrist tasks. *J Hand Therapy* 5(1): 25-28, 1992.

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PENDERGRAFT K, et al. The BTE work simulator. In Hunter JM, Schneider LH, et al (eds): *Rehabilitation of the Hand – Surgery and Therapy*. St Louis: C.V. Mosby Co., pp. 1210-1213, 1990.

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BEATON DE, et al. Grip Strength Testing using the BTE Work Simulator and the Jamar Dynamometer: A comparative Study; *J Hand Surgery*, Vol 20A No 2, 293-298, March 1995

WILKE NA, et al. Baltimore Therapeutic Equipment Work Simulator: Energy Expenditure of Work Activities in Cardiac Patients. *Arch Phys Med Rehab*, Vol 74, 419-424, April 1993

BHAMBHANI Y, et al. The Baltimore Therapeutic Equipment Work Simulator: Biomechanical and Physiological Norms for Three Attachments in Healthy Men. *Am J of Occ Ther* 48(1): 19-25, 1994

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