



UNLOCKING INDEPENDENCE

THE MODERN OCCUPATIONAL
THERAPIST'S GUIDE TO
INNOVATIVE AIDS

ABOUT HITECH THERAPY

HITECH THERAPY, BASED IN SOUTH AFRICA, STANDS AS A PROMINENT SUPPLIER OF REHABILITATION, PHYSICAL THERAPY, AND MEDICAL EQUIPMENT.

WHAT WE HAVE TO OFFER:



HAND & UPPER LIMB
REHABILITATION



SPLINTING &
ORTHOPEDIC TOOLS



PEDIATRIC & SENSORY
INTEGRATION



TAPING AND STRAPPING
SOLUTIONS



BALANCE &
MEASURING DEVICES



LYMPHASTIM
THERAPY DEVICES

AND SO MUCH MORE...

At HiTech Therapy, we understand that the goal of every Occupational Therapist is to maximize a patient's functional capacity. Our specialized equipment is designed to complement manual therapy by addressing the physiological barriers to recovery—reducing downtime through improved circulatory health and accelerated healing phases.

By providing medical-grade structural supports alongside advanced recovery modalities, we ensure a holistic approach to injury management. This synergy of technology and therapy provides your patients with the stability and readiness required to excel in both high-stakes environments and daily life.

FIND OUT MORE:

Visit our website:



✉ sales@htherapy.co.za

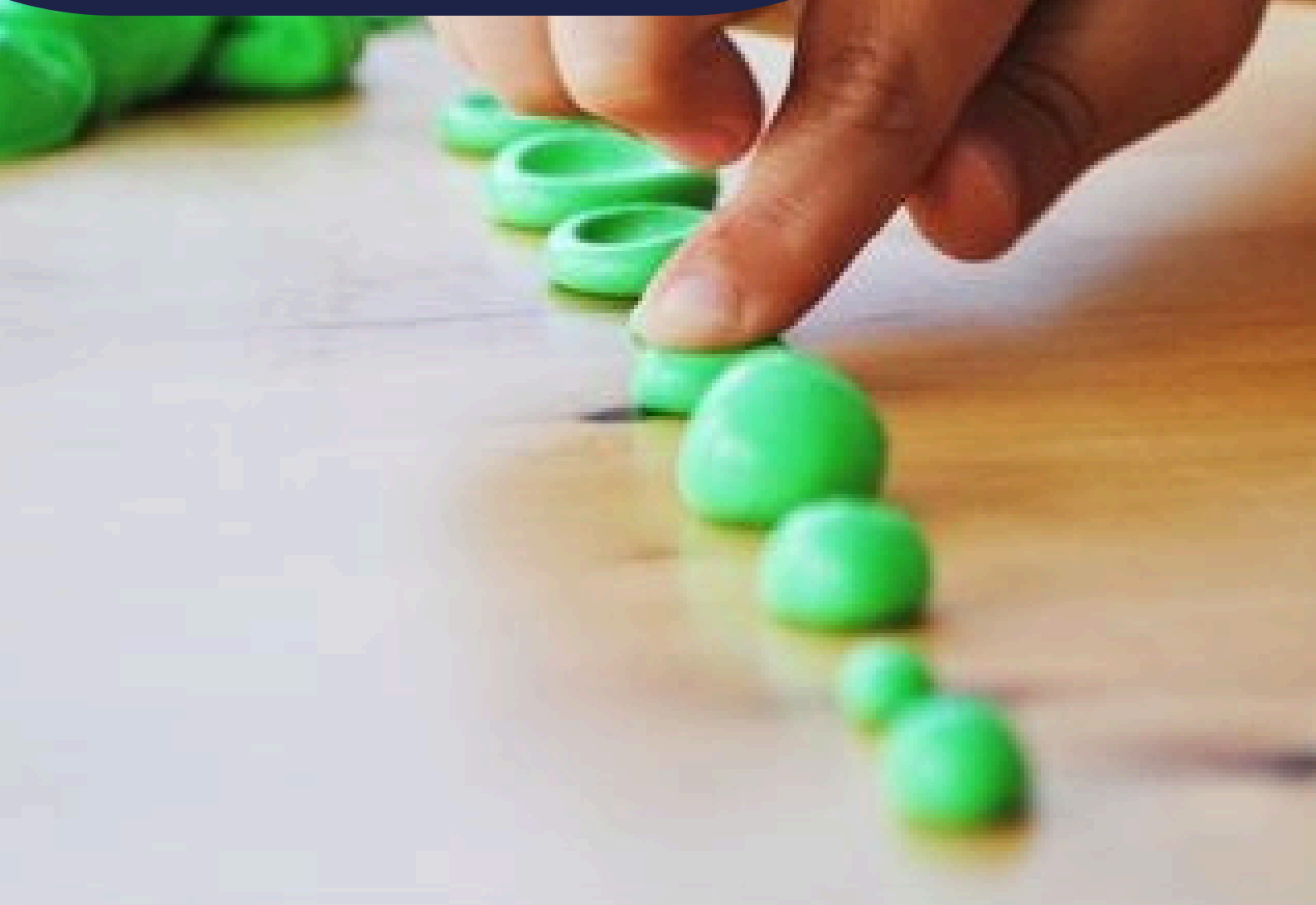
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🌐 www.hitechtherapyonline.co.za

HAND & UPPER LIMB REHABILITATION

IN THIS SECTION:

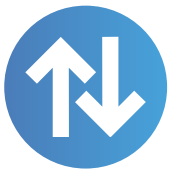
- HT Therapy Putty: Colour-coded by resistance (Super Soft to Firm) for finger, hand, and forearm rehab.
- Digi-Flex Hand & Finger Exercisers: Targeted strength building for individual fingers.
- Hand "Eggsercisers" & Exercise Balls: Ergonomic trainers for dexterity and grip.
- Pedal Exercisers: Portable units for both upper and lower body active movement.



HT THERAPY PUTTY

HT Therapy Putty is the gold standard for tactile-based hand strengthening. Designed for versatility, this non-toxic, non-greasy putty allows therapists to customise interventions based on the patient's current muscle grade and functional goals.

Invest in HT Therapy Putty and witness the transformative power of play in hand therapy. This versatile tool not only strengthens muscles and improves dexterity, but also fosters patient engagement and unlocks a world of therapeutic possibilities.



CUSTOMISABLE RESISTANCE

Color-coded stages (Super Soft to Firm) allowing for clear, measurable clinical progression



VERSATILE APPLICATION

Facilitates a wide range of exercises including finger abduction, adduction, web space strengthening, and intrinsic muscle targeting.



SENSORY FEEDBACK

Provides essential proprioceptive input for patients recovering from neurological insults or sensory processing challenges.



FEATURES:

- Use for your dexterity, motor skills, and grip.
- Increases strength and circulation in fingers, hands, and forearms.
- Graduated consistencies for varying degrees of resistance.
- For home and hospital use.
- Odorless, non-stick substance. Airtight, resealable plastic container.

RESISTANCE LEVELS:

- Tan: Super Soft
- Yellow: Soft
- Red: Medium Soft
- Green: Medium
- Blue: Firm



DIGI-FLEX HAND & FINGER EXERCISERS

Hand exercisers often have one component that compresses allowing the stronger fingers to do all of the work. The Digi-Flex unit has four individual finger pads that each compress by themselves. This lets each finger work and prevents stronger digits from compensating for weaker ones which would inhibit recovery. Rehabbing hand and finger injuries with the right equipment can be difficult. Many devices allow for stronger fingers to compensate for injured ones and some have imperfections that prevent accurate evaluations. The springs in the Digi-Flex are calibrated for precise evaluations to measure and track progress.



ISOLATED DIGIT STRENGTHENING

Each button is backed by an independent spring, preventing "cheating" and ensuring the targeted digit performs the work



GROSS GRASP DEVELOPMENT

The ergonomic base allows the unit to be used as a whole-hand exerciser, transitioning the patient from isolated movements to functional grasp.



POST-SURGICAL PRECISION

Ideal for tendon glide protocols where controlled, graded movement is essential to prevent adhesions.



FEATURES:

- Spring-based finger and hand exerciser
- Available in resistances ranging from yellow to black
- Four finger pads strengthen each digit individually
- The ergonomic base is easy to grip
- Non-latex handheld unit

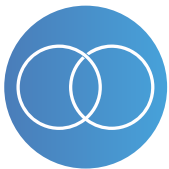
RESISTANCE LEVELS:

- Yellow (Extra-Light) 0.68 kg
- Red (Light) 1.36 kg
- Green (Medium) 2.27 kg
- Blue (Heavy) 3.18 kg
- Black (Extra Heavy) 4.17 kg



ERGONOMIC "EGGSERCISERS" & EXERCISE BALLS

From soft for gentle stimulation to firm for intense muscle work, the HT Hand Exercise Balls and eggs cater to a range of hand conditions and recovery stages. Tailored exercises target specific muscle groups, building grip strength, improving endurance, and facilitating better function. Encourage patients to pinch, roll, and manipulate the balls, enhancing fine motor skills, coordination, and control. They improve daily tasks like writing, dressing, and manipulating objects with newfound confidence. The textured surfaces also provide proprioceptive and tactile input, ideal for children with sensory processing disorders or individuals seeking calming stimulation.



ERGONOMIC ALIGNMENT

Reduces the risk of joint stress during repetitive exercise, making it ideal for patients with Rheumatoid Arthritis or Osteoarthritis



MULTI-PLANE MANIPULATION

The unique shape allows for varied grip patterns, including spherical, cylindrical, and pincer grasps.



PORTABLE HOME PROGRAMS

An excellent tool for Home Exercise Programs (HEPs) due to its intuitive use and portability.



HT GEL EGG



HT GEL BALL

FEATURES:

- Progressive resistance, customisable exercises, and engaging sensory stimulation to help your patients regain strength.
- Easy to clean and disinfect: Maintain a hygienic environment with simple wipe-down cleaning.
- Variety of resistances: cater to individual needs and preferences.

RESISTANCE LEVELS:

- Yellow (Extra Soft)
- Red (Soft)
- Blue (Firm)
- Black (Extra Firm)



POWER-WEB® HAND & WRIST EXPANDERS

The Power Web Exerciser is ideal for hand exercise and rehabilitation treatment. The Exercise Web provides a continuously resistance hand exercise for the rehabilitation of carpal tunnel, tendon injuries, fractures, and arthritis. The Exercise Web can be used in an almost endless number of ways, including for flexion, extension, opposition, and supination exercises. It is great for personal or professional use.



FULL RANGE OF MOTION

Supports abduction, adduction, opposition, and supination/pronation, which are difficult to target with standard grippers.



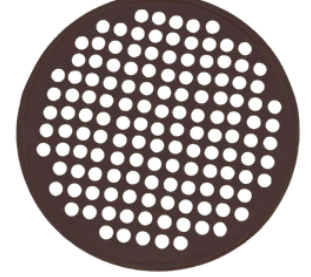
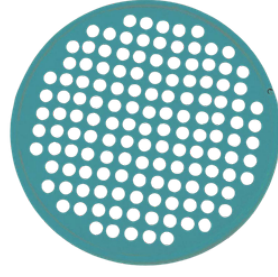
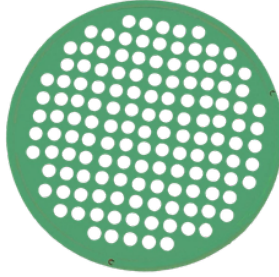
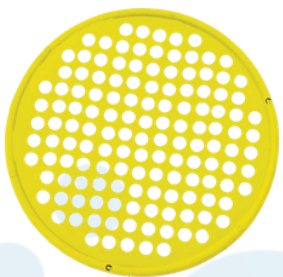
BILATERAL OR UNILATERAL USE

Can be used with one hand or both simultaneously to work on coordination and reciprocal strength.



ADJUSTABLE DIFFICULTY

By changing the hand position or the depth of finger insertion, the therapist can mechanically grade the resistance without switching devices.



FEATURES:

- Great for physical therapy and resistance exercise training.
- Perform flexion, extension, opposition and supination exercises.
- Vary difficulty by moving to a different colour, or by adjusting hand position and depth of finger insertion.
- Take your hand exerciser with you wherever you go.

RESISTANCE LEVELS:

- Yellow (Soft)
- Red (Soft-Medium)
- Green (Medium)
- Blue (Heavy)
- Black (Extra Heavy)



FLEXIBLE RESISTANCE BARS

Clinically proven to increase the strength of tendons by 72% for tennis elbow patients, this is an ideal handgrip trainer for recovering from epicondylitis. The resistance training bar is widely used for forearm and grip strengthening exercises that tone and build muscles. Some of these exercises include wrist abduction, thumb strengthening, eccentric twists, and soft tissue manipulation. The flexbar is designed for the rehabilitation of tennis elbow, golfer's elbow, tendonitis, and many other upper extremity conditions.



ECCENTRIC LOADING

Specifically effective for eccentric strengthening of the wrist extensors, which is evidence-based treatment for chronic tendon pain.



OSCILLATION TRAINING

Can be shaken to create rhythmic stabilisation, improving joint proprioception and "core" stability of the upper extremity.



GRIP & TWIST DYNAMICS

Targets the intrinsic muscles of the hand while simultaneously engaging the forearm and shoulder girdle.



FEATURES:

- Lightweight and portable, the twist bar is easy to pack and take with you to perform exercises on-the-go
- Ideal for individuals with tennis elbow/golfer's elbow, tendonitis, and medial epicondylitis
- Color-coded resistance levels are suitable for improving grip and forearm strength in all ages.

RESISTANCE LEVELS:

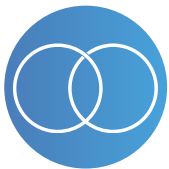
- Yellow requires 2.7Kg of force to bend in a U-shape,
- Red requires 4.5Kg of force to bend in a U-shape
- Green requires 6.8Kg of force to bend in a U-shape
- Blue requires 11.3Kg



MULTI-FUNCTIONAL PEDAL EXERCISERS

The Pedal Exerciser is a highly adaptable tool for OTs focusing on cardiovascular health, range of motion (ROM), and reciprocal coordination. Its lightweight, portable design makes it a staple for both bedside therapy and outpatient clinics.

The pedal exerciser provides low-impact activity to help increase muscle strength, tone, durability, and blood circulation to the upper and lower body. Ideal for strengthening the leg muscles for rehabilitation from an injury or post-surgery. The exercise peddler can also be used for a vitalising upper-body exercise routine.

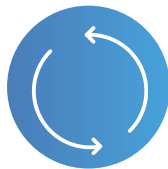


DUAL-PURPOSE UTILITY

Can be placed on a tabletop for upper extremity (UE) strengthening or on the floor for lower extremity (LE) mobilisation.



Thera Trainer MObi 540



RECIPROCAL COORDINATION

Promotes bilateral integration and rhythmic movement patterns, which are essential for gait preparation and ADL endurance.



Deluxe Pedal Exerciser



SAFETY & STABILITY:

Provides a low-impact alternative to traditional stationary bikes, making it accessible for geriatric patients or those with balance impairments.



HT Digital Pedal Exerciser

FEATURES:

- This device offers low-impact exercise that tones and strengthens the upper and lower body
- The resistance knob allows the user to increase the level of difficulty as their strength increases
- Features rubber feet allowing the peddler to remain in place while on a hard floor surface or a table-top
- Specially designed to improve blood circulation using a pedal mechanism similar to riding a bike



THERAPIST'S CHOICE GUIDE

This Therapist's Choice guide is designed to help you quickly identify which HiTech Therapy tool aligns with specific clinical populations and diagnostic goals.

MASTER CLINICAL SELECTION MATRIX: HAND & UPPER LIMB REHABILITATION

Product	Primary Clinical Focus	Key Clinical Highlight	Neuro / Stroke	Ortho / Post-Op	Geriatric	Peds
HT Therapy Putty	Proprioception & Intrinsic Strength	Best for "treasure hunts" & pincer grasp development.	★★★	★★★	★★	★★★★
Digi-Flex	Isolated Finger Dexterity	Prevents compensation; essential for individual tendon glides.	★★	★★★★	★	★
Ergonomic Eggs	Functional Grasp & ROM	Shape supports natural arches of the hand; reduces joint stress.	★★★★	★★	★★★★	★★
Pedal Exerciser	Reciprocal Movement	Promotes bilateral integration & cardiovascular endurance.	★★★★	★	★★★★	★
Power-Web®	360° Hand & Wrist ROM	Unique for finger extension (opening) and web-space work.	★★	★★★★	★★	★★
Flex Bars	Eccentric Loading	The gold standard for the "Tyler Twist" (Epicondylitis).	★	★★★★	★★	★

SPLINTING & ORTHOPEDIC TOOLS

IN THIS SECTION:

- Rolyan Aquaplast-T Splinting Material: Premium thermoplastic with 100% memory for a perfect fit.
- Rolyan Splinting Pans: Advanced digital heat pans for softening thermoplastic materials.
- Plastasote Foam: Heat-activated foam for soft, lightweight splints.
- Strapping & Fasteners: Self-adhesive loop rolls, hook rolls, and neoprene sheets for custom fabrication.



ROLYAN® AQUAPLAST-T™ SPLINTING MATERIAL

The versatile thermoplastic sheets “remember” their original shape when reheated and return to it after reshaping for splint revisions. Aquaplast fits the patient’s lifestyle and increases patient confidence.

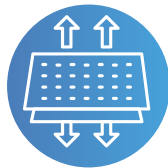
The moderate drape of Aquaplast means the material conforms to the affected area with minimal force and only moderate pressure is needed for a controlled stretch. A temporary bond can be created by pinching together the heated material, however, it will come apart when cooled. To form a permanent bond, scrub off or remove the coating with a bond solvent.

When heated, the material turns translucent and the smooth splinting thermoplastic leaves no unwanted fingerprints or markings. The rigidity of 59.2 kpsi* means the hardened splint retains its shape without reinforcement.



100% MEMORY

Allows for frequent modifications; the material returns to its original shape when reheated, reducing waste and cost



CONTROLLED STRETCH

Provides the therapist with high resistance to stretch, preventing the material from thinning out over bony prominences.



COATED SURFACE

Features a temporary bond that can be made permanent by removing the coating, giving the OT total control over the fabrication process.

FEATURES:

- 100% memory allows the material to be reshaped and reheated
- Non-toxic, latex-free, and radiolucent
- Conforms to the affected area with minimal force
- Leaves no unwanted fingerprints or markings.

BEST USES:

- Thumb spica splints
- Finger splints
- Hand splints
- Wrist splints
- Elbow splints
- Dynamic splints
- Foot drop splints



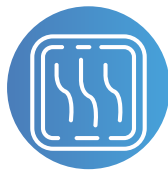
ROLYAN® DIGITAL SPLINTING PANS

The improved Rolyan Heat pans are constructed of the highest quality durable stainless steel with a removable lid and a perforated tray. Thermostatically controlled with a concealed heating element and with over-heat protection and an illuminated on/off switch these baths are at the forefront of splinting accessories. With insulated handles to facilitate moving the bath from one location to another, they are ideal for medical practices and hospitals, the Rolyan Heat Pan makes using thermoplastic splints far easier. Its extra-wide design allows larger splints to be accommodated whilst maintaining a compact unit. An integral tap ensures more rapid drainage.



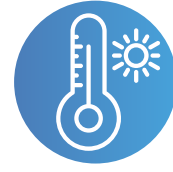
DIGITAL THERMOSTAT

Eliminates guesswork by maintaining water at exact temperatures



CONCEALED HEATING ELEMENT

Designed for safety and longevity, the heating element is protected from direct contact with materials and mineral buildup



RAPID HEAT-UP

Minimises clinic downtime, allowing the therapist to move quickly from assessment to fabrication

FEATURES:

- Ideal for working with heat-activated thermoplastic splinting materials
- An array of safety features to help prevent accidents
- Recessed handles facilitate movement from one location to another
- The extra-wide design allows larger splints to be accommodated
- Integral tap ensures rapid drainage

DIMENSIONS

- Internal dimensions (H×L×W): 200 × 500 × 300mm
- External dimensions (H×L×W): 290 × 538 × 332mm
- Capacity: 28L



PROFESSIONAL STRAPPING & FASTENERS

The efficacy of a splint is often determined by its security. HiTech Therapy provides a full range of high-performance strapping, from self-adhesive hooks to breathable neoprene sheets, ensuring every orthosis stays in the correct anatomical position.



AGGRESSIVE SELF-ADHESIVE BACKING

High-tack adhesive ensures that hook-and-loop fasteners stay bonded to the thermoplastic, even in high-use areas.



Hook Roll Self-Adhesive
Available in black and white
Available in various sizes

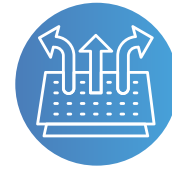


PATIENT COMFORT

Soft-touch materials prevent skin irritation and "edge-cutting," increasing patient compliance with wearing schedules.



Hook Roll Sew On
Available in black and white
Available in various sizes



BREATHABILITY

Neoprene sheets provide compression and warmth while allowing for moisture wicking, ideal for dynamic splinting or sports-related supports.



Green Neoprene Sheet

FEATURES:

- Easy to use
- Versatile
- Secure fastening



X-LITE[®]

BREATHABLE | LIGHTWEIGHT | BIODEGRADABLE

Why therapists love X-Lite:

Lightweight & Excellent Ventilation:

- The open structure of the material provides great ventilation and comfort
- Allows the skin to breathe and provides an optimal environment for wound healing

Variable Rigidity:

- Add layers for additional rigidity without compromising the low profile
- Add strips to areas where additional reinforcement is desired

Remouldable & Reusable:

- X-Lite can be reheated an unlimited amount of times, saving you money and time
- Make small changes on an already made splint instead of making a new one

Easy, Strong Bonding:

- X-Lite easily adheres to itself, bringing many benefits to the clinician when splinting



REUSABLE & REMOULDABLE
excellent ventilation

ENVIRONMENTAL BENEFITS



Natural Material:

X-Lite is made from 100% cotton mesh, a natural material base.



Waste Less:

Significantly less material used in splint fabrication. Reheat X-Lite an unlimited amount of times and use offcuts to edge, leaving nothing to waste.



Biodegradable:

Once the patient is finished with their X-Lite splint, it will degrade in compost or landfill. ISO14855-1 biodegradability tested.

NOW AVAILABLE AT



X-Lite® FAQ's all of your questions answered

WHAT TEMPERATURE SHOULD I HEAT X-LITE?

The correct water temperature is 67-70°.

CAN I USE A HEAT GUN TO HEAT AND SPOT HEAT THE MATERIAL?

Yes, you can use a heat gun to heat most of our thermoplastic materials. We do not recommend using a heat gun on X-Lite Plus as it will burn the polyester fabric.

HOW MANY LAYERS OF X-LITE CLASSIC DO I NEED TO HAVE THE SAME STRENGTH AS 2.4 MM?

You need a double layer of X-LITE Classic.

HOW DO I ATTACH ACCESSORIES TO MY SPLINT?

You can attach all accessories e.g Velcro loop, wires, etc. by heating a small piece of material and attaching it to the accessory, then spot heat your splint and press the two pieces firmly together.

WHY DOES X-LITE ONLY COME IN ONE THICKNESS?

Instead of choosing between different thicknesses depending on which splint you are going to make, you can simply add layers making X-LITE stronger. It is easy to layer and means stocking less products. X-Lite is a strong material with a very low profile compared with other materials. You can also settle for only adding reinforcements and save even more material.



X-Lite® is now available at HiTechTherapy

We are proud to announce that we are now stocking this innovative product.

WANT TO KNOW MORE?

X-Lite® Get your templates here:

All of the splints referred to in this guide can be used for a whole array of hand/wrist/thumb conditions/injuries. Splint assessment, fabrication & provision is led by the clinical reasoning of the therapist.

Scan the QR code below to access your free templates:



Contact us for your free demo

X-LITE SPLINTING

X-LITE®: THE FUTURE OF REUSABLE BREATHABLE SPLINTING

X-Lite® is a lightweight, airy cotton-mesh thermoplastic that replaces heavy, solid plastics. It provides high-tensile strength while ensuring the skin remains cool and dry. Non-toxic and biodegradable, it allows OTs to provide superior clinical care with a reduced environmental footprint.



INFINITE RE-MOLDING

100% memory allows for endless reshaping



ULTRA-BREATHABLE

Open-mesh design prevents moisture buildup and skin maceration



FEATHER-LIGHT

Preferred for pediatric and geriatric patients where limb weight is a concern.



X-Lite Plus Roll White 15cm x 180cm



X-Lite Classic Roll 15cm x 1.8m White



X-Lite Classic Dispenser White 20cm x 1000cm



X-Lite Edging Dispenser 2.5cm x 750cm

FEATURES:

- Self-Adhesive: Bonds to itself instantly when warm; no solvents required for reinforcements.
- Fast Setting: Quick working window for rapid, precise fitting in busy clinics.
- Multiple Grades: Available in Classic (rigid) or Plus (soft fabric surface).
- Stretch-Resistant: Cotton mesh prevents thinning, ensuring uniform thickness.
- X-Ray Translucent: Allows for imaging without removing the splint.



DAILY LIVING AIDS

This section highlights Daily Living Aids (ADLs) designed to restore autonomy and ease the challenges of everyday tasks. These assistive tools are essential for patients with arthritis, limited dexterity, or recovering from surgery (such as hip or knee replacements), allowing them to perform self-care with dignity and minimal strain.



HT EASY GRASP REACHER

EXTEND YOUR REACH, PRESERVE YOUR ENERGY

The HT Easy Grasp Reacher is a lightweight yet robust tool designed for individuals with limited mobility or those restricted from bending and stretching. It acts as a functional extension of the arm, making it easy to retrieve items from high shelves or the floor.



REDUCED STRAIN

Eliminates the need for painful bending or over-stretching, protecting the back and surgical sites.



SECURE GRIP

Features a sensitive trigger mechanism that requires minimal hand strength to operate.



DAILY INDEPENDENCE

Ideal for picking up clothing, newspapers, or kitchen items safely.

FEATURES:

- Ergonomic Handle: Contoured grip designed for comfort during extended use.
- Lightweight Aluminum: Durable construction that doesn't add weight to the user's arm.
- Precision Claw: Serrated rubber tips provide a non-slip grip on even small or smooth objects.

BEST USED FOR:

- Post-Operative Recovery: Patients with "no-bending" spinal or hip precautions.
- Wheelchair Users: Extending reach to floor-level or high-cupboard items.
- Arthritis: Individuals with limited spinal flexibility or grip strength.



HIP KIT

ESSENTIAL RECOVERY TOOLS IN ONE PACK

Curated for post-operative safety, this kit includes the most vital tools to maintain "Hip Precautions" (avoiding bending past 90 degrees) during dressing and bathing.



ALL-IN-ONE SOLUTION

Includes reacher, long-handle sponge, shoehorn, and sock aid.



SURGERY COMPLIANCE

Ensures adherence to safety protocols during critical recovery weeks.



SAFE HYGIENE

Allows cleaning of lower extremities without compromising balance.



Hip Kit



HT Hip Kit

FEATURES:

- Standardized Components: Durable tools selected for ease of use.
- Portable: Single package for easy transport from hospital to home.

BEST USED FOR:

- Total Hip Replacement (THR): Navigating the 6-12 week post-op restriction phase.
- Total Knee Replacement (TKR): Assisting with dressing when knee flexion is limited.
- Bariatric Care: Patients who struggle to reach their feet due to body habitus.



BUTTON HOOK & ZIPPER PULLER

MASTERING FINE MOTOR CHALLENGES

Fastening buttons or zipping jackets can be a significant barrier for those with hemiplegia. This two-in-one device provides the mechanical advantage needed to restore dressing independence.



PRECISION ASSISTANCE

Wire loop glides through buttonholes to pull buttons into place.



JOINT PROTECTION

Reduces stress on small finger joints caused by pinching.



TRAVEL-READY

Discreet enough to be carried in a bag or pocket.

FEATURES:

- **Stainless Steel Wire Loop:** Designed with a slim profile to glide through small buttonholes without snagging delicate fabrics.
- **Dual-Function Design:** Features a dedicated zipper hook on the opposite end, solving two fine-motor dressing barriers with one tool.

BEST USED FOR:

- **Stroke (CVA) Patients:** Facilitating one-handed dressing techniques.
- **Rheumatoid Arthritis:** Protecting inflamed PIP and DIP joints from strain.
- **Parkinson's Disease:** Managing tremors during intricate fine motor tasks.



CLOSED CELL FOAM TUBING

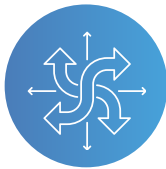
CUSTOMIZED GRIPS FOR EVERY HOUSEHOLD ITEM

Build-up handles are a staple OT intervention. This foam tubing creates a larger, more manageable surface area for those with weak or painful grips.



ENHANCED FUNCTION

Makes cutlery, toothbrushes, and pens easier to control.



VERSATILE & CUSTOM

Can be cut to any length to fit various household tools.



EASY TO CLEAN

Non-absorbent foam that can be hand-washed

FEATURES:

- Three Graduated Diameters: Accommodates everything from thin pens and toothbrushes to thicker cutlery and tool handles.
- Non-Absorbent Material: The closed-cell structure does not soak up water or bacteria, making it easy to sanitize between uses.
- Customizable Length: Can be easily cut with standard scissors to provide a bespoke grip for any household object.

BEST USED FOR:

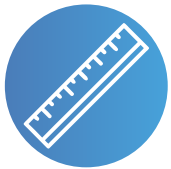
- Neuropathy: Patients with reduced tactile sensation who "lose" thin items in their hand.
- Pediatrics: Children working on grasp development and utensil control.
- Weak Grip: Geriatric patients with decreased intrinsic hand strength.



LONG-HANDLE SCRUB SPONGES

DIGNIFIED BATHING WITHOUT LIMITS

These sponges allow users to reach their back, legs, and feet without excessive shoulder or trunk rotation, maintaining skin integrity and hygiene.



FULL REACH

Reaches the mid-back and soles of the feet with ease.



CUSTOMIZABLE

The handle can be heat-molded to a specific angle tailored to the user.



FALL PREVENTION

Reduces the need to stand on one leg in a slippery shower.



CanDo Long Scrub Sponge Straight



CanDo Long Scrub Sponge, Round & Bendable

FEATURES:

- Soft Foam Heads: Gentle on fragile skin while providing effective cleansing.
- Lightweight Plastic: Designed to be easy to hold even when wet.

BEST USED FOR:

- Frozen Shoulder: Patients with severely restricted reaching and overhead ROM.
- Lower Limb Edema: Safely washing lower legs without bending over.
- Elderly Care: Maintaining independence in self-care while minimizing fall risks.



FLEXIBLE PLASTIC SHOEHORN

EFFORTLESS DRESSING WITH POSTURAL SAFETY

The CanDo® Flexible Plastic Shoehorn is an essential ADL tool designed to assist individuals who have difficulty bending or reaching their feet. By providing a smooth, frictionless surface for the heel, it allows shoes to be put on easily while the user remains in a safe, upright seated position.



SPINAL & HIP PROTECTION

Eliminates the need for deep trunk flexion, essential for maintaining post-surgical precautions.



FOOTWEAR LONGEVITY

Prevents the crushing of shoe counters (heels), extending the life of the patient's footwear.



FALL PREVENTION

Enables users to put on shoes while safely seated, reducing balance risks associated with leaning forward.

FEATURES:

- Flexible Contoured Design: The resilient plastic conforms to the shape of the heel and the shoe, ensuring a smooth glide without pinching.
- Extended Reach Handle: The long-reach design bridges the gap for users with restricted hip or knee range of motion.
- Integrated Hanging Loop: Features a convenient hole at the handle end for easy storage on a bedpost or dressing station hook.

BEST USED FOR:

- Post-Hip/Knee Replacement: Essential for patients restricted from bending past 90 degrees.
- Geriatric Care: Supporting seniors with limited flexibility or chronic lower back pain.
- Lower Limb Edema: Assisting patients whose feet are difficult to slide into shoes due to swelling.



BALANCE, PROPRIOCEPTION, AND POSTURAL CONTROL

IN THIS SECTION:

- Synergy Sitting Wedges: Inflatable air cushions that encourage active sitting, better posture, and concentration in classrooms.
- Vinyl Covered Positioning Wedges: Modular blocks used for motor neuron development and controlled movement.
- Wobble Boards & Balance Discs Tactile tools for improving balance and coordination.
- Standing Frames (e.g., Cat I & Cat II): Specialized equipment to help pediatric patients maintain a safe, upright position.



SYNERGY BALANCE PADS & SITTING WEDGES

DYNAMIC SURFACE TRAINING FOR CORE & PELVIC STABILITY

Whether used on a chair or the floor, these air-filled and foam-based tools create an "active" surface. They challenge the user's center of gravity, forcing the deep stabilising muscles of the trunk and lower extremities to engage.



NEUROPLASTICITY & VESTIBULAR INPUT

Ideal for patients with vestibular dysfunction or sensory seeking behaviors, providing the movement input needed for regulation and balance.



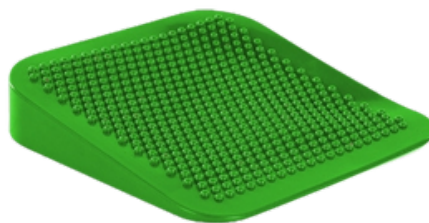
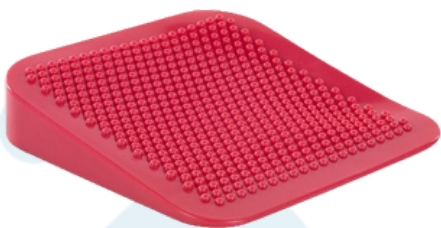
CORE ACTIVATION

Facilitates "active sitting," which improves spinal alignment and reduces lower back strain during sedentary occupations.



PROPRIOCEPTIVE RE-EDUCATION

Excellent for post-ankle or knee surgery to help the patient "re-map" joint position sense.



FEATURES:

- Improves balance, coordination, flexibility and strength.
- Combines active sitting and static positioning to improve posture.
- Aids in comfortable sitting as well as people with back problems.
- It allows the combined training of fitness and coordination skills such as strength, stamina, differentiation, and balance skills.
- Improve joint stability through moderate instability.
- The simple yet effective and lightweight design available in various sizes



VINYL COVERED POSITIONING WEDGES & BOLSTERS

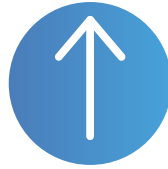
STRUCTURAL SUPPORT FOR POSTURAL REALIGNMENT

While often associated with motor development, these high-density foam tools are critical for any patient requiring supported positioning to inhibit abnormal tone or facilitate functional movement.



POSTURAL DRAINAGE & RESPIRATORY SUPPORT

Assists in positioning patients to optimise lung expansion and airway clearance.



ERGONOMIC ELEVATION

Used to elevate limbs for edema management or to provide a stable base for fine motor tasks in a seated or supine position.



STONE MANAGEMENT

For neurological patients with high spasticity, these wedges help break up "extensor thrusts" and maintain the body in a neutral, relaxed state for therapy



FEATURES:

- Ideal for head, foot or leg elevation
- Comfortable, gradual slope
- Beneficial for those dealing with acid reflux and respiratory problems
- Helps to alleviate neck and shoulder pain
- Can be used for gross motor skill development

SIZES AVAILABLE

- 20cm x 20cm x 10cm
- 30cm x 30cm x 20cm
- 50cm x 30cm x 30cm
- 50cm x 40cm x 40cm
- 60cm x 60cm x 15cm
- 60cm x 60cm x 20cm
- 60cm x 60cm x 25cm
- 60cm x 60cm x 30cm



WOBBLE BOARDS & BALANCE DISCS

ADVANCED PROPRIOCEPTION & RHYTHMIC STABILISATION

Wobble boards offer a 360-degree range of instability. These are essential for the final stages of rehabilitation, where the patient must regain "automatic" balance responses to prevent falls and secondary injuries.



JOINT STABILISATION

Strengthens the ligaments and tendons surrounding the ankle, knee, and hip by requiring constant micro-adjustments



UPPER LIMB INTEGRATION

Can be used under the hands in a plank position to improve shoulder girdle stability and weight-bearing tolerance.

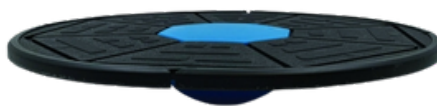


OBJECTIVE PROGRESS TRACKING

Measure progress by timing how long a patient can keep the board from touching the floor, providing clear data for insurance reports.



Wooden Wobble Board
Available in various sizes



Synergy Wobble Board



Dynaso Ball

FEATURES:

- 360° Movement: Circular pivot for full-range tilting and rotation.
- Non-Slip Surface: Textured grip or anti-slip coating for maximum safety.
- Adjustable Difficulty: Variable height/angles to progress with user skill.
- Core & Stability: Targeted strengthening for ankles, knees, and core.
- Heavy-Duty Build: High-impact plastic or solid wood (supports up to 150kg).
- Portable Design: Compact and lightweight for home or clinic use.



PEDIATRIC STANDING SYSTEMS

EARLY INTERVENTION, POSTURAL ALIGNMENT, AND SOCIAL INCLUSION

For the pediatric population, standing is not just about weight-bearing; it is about providing a gateway to play and developmental milestones. These frames are designed to grow with the child while supporting complex postural needs.



THE CAT I & CAT II SERIES: MULTI-POSITIONING SUPPORT

These are the foundational frames for early intervention.

Clinical Focus: Ideal for children with low muscle tone or those requiring significant head and trunk support.

The "Invento" Advantage: The CAT II Invento offers a 3-in-1 function, allowing the OT to switch between prone (facilitating head control/extension) and supine (maximum support for gravity-assisted rest) within one device.

OT Benefit: Features an adjustable headrest and 3D footplates that accommodate various orthopedic deformities.



SMART™ PEDIATRIC: SLEEK & NON-CLINICAL

Designed for the classroom or home where a smaller footprint is required.

Clinical Focus: For children with moderate postural control who require upright stability for upper-limb tasks.

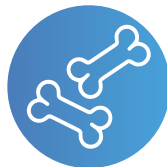
UPRIGHT PRO™ System: Uses specialised chest and pelvic braces to ensure the child remains in a safe, neutral anatomical position.

OT Benefit: The integrated tray allows the child to participate in schoolwork or play at eye-level with peers, boosting psychosocial development.



HIP HEALTH

Proper alignment prevents subluxation and encourages acetabular (hip socket) development



BONE DENSITY

Vital for children who are non-ambulatory to prevent pediatric osteoporosis.



DIGESTIVE HEALTH

Gravity aids in bowel and bladder management.



ADULT STANDING & MOBILITY SOLUTIONS

AUTONOMY, SYSTEMIC HEALTH, AND FUNCTIONAL INDEPENDENCE

In adult rehabilitation, the focus shifts toward maintaining systemic health, preventing secondary complications of long-term sitting, and empowering the patient through technology.



THE LIFTER™: POWER-ASSISTED INDEPENDENCE

A modern solution for patients who have preserved upper-body strength but cannot stand independently.

- Clinical Focus: Spinal Cord Injury (SCI), Multiple Sclerosis (MS), and lower-limb paralysis.
- The Electric Advantage: Equipped with an electric actuator and remote, allowing the patient to self-transfer from a wheelchair to a standing position.
- OT Benefit: Reduces the physical lifting burden on the therapist or caregiver, allowing the session to focus on functional upper-limb training.



PARAMOBIL™: THE 3-IN-1 REHAB MODULE

This is a high-performance clinical tool for intensive neuro-rehabilitation.

- Clinical Focus: Stroke recovery, TBI, and patients requiring gait preparation.
- Dynamic Mode: Unlike static frames, the PARAMOBIL allows for a "rehabilitation mode" where the legs can be moved, helping to retrain the brain for walking patterns.
- OT Benefit: Includes a leg separator to prevent "scissoring" gait, a common challenge in spasticity management.



SMART PRO™ ADULT: ROBUST SIMPLICITY

A heavy-duty version of the SMART frame built for larger frames and long-term durability.

- Clinical Focus: Geriatric care and long-term neurological conditions.
- Stability & Growth: Features stepless height and width adjustments to accommodate a wide range of body types.
- OT Benefit: Extremely easy to clean and sanitise, making it ideal for high-turnover inpatient wards.



LONGEST ARM AND LEG PEDAL EXERCISER

RECIPROCAL COORDINATION AND CARDIOVASCULAR CONDITIONING

This heavy-duty, dual-action pedal exerciser is a staple for OTs working on bilateral coordination and endurance. Unlike standard floor pedals, this unit allows for simultaneous or isolated upper and lower limb exercise, making it ideal for neurological and orthopedic rehabilitation.



Longest Arm & Leg Pedal Exerciser

FEATURES:

- Adjustable Resistance: Independent tension knobs for both the arm and leg components to grade the challenge.
- Digital Monitor: Tracks time, revolutions, and estimated calories burned to provide objective feedback to the therapist.
- Ergonomic Grips: Non-slip pedals and hand grips designed to accommodate patients with limited grip strength.



RECIPROCAL MOVEMENT

Enhances the brain's ability to coordinate opposite limb movements, vital for gait and functional reaching.



LOW-IMPACT CARDIO

Provides a safe way to increase heart rate and circulation for patients with balance deficits.



WHEELCHAIR ACCESSIBLE

Designed to be used from any standard chair or wheelchair, ensuring accessibility for all mobility levels.



SPECIALISED REHABILITATION FURNITURE

IN THIS SECTION:

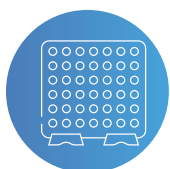
- Upper Extremity Work Stations: Multi-patient stations for seated or standing activities.
- Parallel Bars: Essential for gait training and relearning walking patterns.
- Hi-Lo Treatment Tables: Electric and hydraulic tables (like the Synergy-C series) designed for ergonomic therapist access.



UPPER EXTREMITY WORK STATIONS

THE HUB FOR MULTI-MODAL HAND & ARM REHAB

The Upper Extremity (UE) Work Station is a versatile, multi-patient unit designed to facilitate a wide range of functional tasks. It allows OTs to transition patients from simple range-of-motion exercises to complex, task-specific activities.



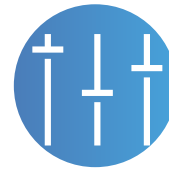
SIMULTANEOUS TREATMENT

Large surface areas and multiple attachments (like pulleys, pegboards, allow for the treatment of multiple patients at varying heights.



TASK-SPECIFIC SIMULATION

Ideal for simulating "occupations" such as reaching for a shelf, manipulating small objects, or performing bilateral lifting tasks.



ERGONOMIC DESIGN

Adjustable heights ensure that the therapist can maintain proper body mechanics while assisting the patient, reducing clinician fatigue.



FEATURES:

- Two wheelchair-accessible height and angle adjustable side shelves
- Slide-out rear shelf suitable for seated patients
- Lockable double doors for security
- Two pairs of height-adjustable interior shelves
- Sturdy construction with durable Formica work surfaces
- Smooth-rolling, locking castors for easy mobility

WHAT IS INCLUDED:

- 1 x Upper Extremity Station
- 1 x Bolt Board
- 1 x Bilateral Sander
- 1 x Extend your reach
- 1 x Peg Board
- 1 x Stacking Cones
- 1 x Manipulation Board
- 1 x Rom arch
- 1 x Shoulder Abduction ladder
- 1 x Shoulder exercise ladder with bar



PARALLEL REHABILITATION BARS

The Foundation of Safe Mobility & Balance

Parallel bars are the most critical tool for OTs and PTs working on gait, balance, and sit-to-stand transitions. They provide the ultimate security for patients who are hesitant or neurologically compromised.



MAXIMUM STABILITY

Offers high-weight-capacity support for patients relearning weight-shifting, standing tolerance, and early ambulation.



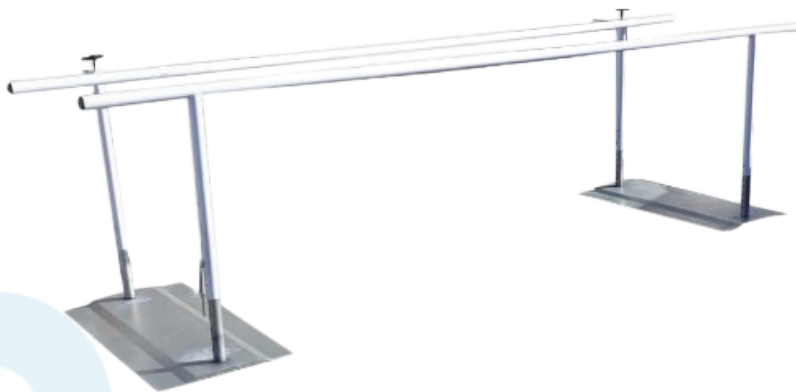
SAFE ENVIRONMENT FOR TRIAL & ERROR

Provides a "safety net" where patients can push their balance limits without the risk of falling, which is essential for neuroplasticity.



GAIT PRE-TRAINING

Used for practicing specific components of the gait cycle, such as heel-strike and toe-off, before transitioning to a walker or cane.



FEATURES:

- Designed to assist individuals to safely re-learn how to walk after surgery or injury
- Helps to regain range of motion, balance, coordination, and strength
- The bars are height adjustable from 64cm - 100cm
- Allows wheelchair access with a 78cm clearance distance between posts

SIZES AVAILABLE

- 2m
- 3m
- 4m



HI-LO TREATMENT TABLES

SYNERGY-C SERIES

ERGONOMIC PRECISION FOR MANUAL THERAPY AND TRANSFERS

A high-quality Hi-Lo table is the foundational "work surface" of an OT clinic. These tables allow for effortless height adjustment, protecting the therapist's back while ensuring the patient can be positioned perfectly for manual techniques, stretching, or custom splint fabrication.



THERAPIST LONGEVITY

Prevents clinician burnout and injury by ensuring an ergonomic working height.



2-Section Synergy-C
Treatment Table



SAFE TRANSFERS

Lowers to wheelchair-seat height (approx. 45-50cm) for easy and dignified patient boarding.



2-Section Synergy-C
Treatment Table Hydraulic



VERSATILE POSITIONING

Supports supine, prone, and side-lying positions with ease.



2 Section Synergy-C TILT
Treatment Table Electric

FEATURES:

- Electric/Hydraulic Foot Pedals: Hands-free height adjustment allows the therapist to maintain contact with the patient.
- Multisection Top: Includes adjustable headrests and mid-sections to facilitate specific anatomical stretches or drainage.
- Medical Grade Upholstery: Antimicrobial and easy-to-clean vinyl that withstands high-volume clinical use.



THE 90° CONVERTIBLE TRAINING STAIRCASE

ELEVATE EVERY STEP

Advanced Gait & Stair Training Solutions. Helping your patients reclaim independence, one step at a time.

THE 90° CONVERTIBLE TRAINING STAIRCASE

VERSATILITY MEETS SPACE-SAVING DESIGN

Designed for the modern clinic, this 90-degree configuration maximizes floor utility while offering two distinct levels of difficulty for patient progression.



Adjustable 90 Degree Metal Rehabilitation Stairs

TECHNICAL SPECIFICATIONS:

Feature	Specification
Footprint	90-Degree L-Shape
Step Configuration	Side A: 4 steps (10cm) / Side B: 2 steps (15cm)
Weight Capacity	227kg (500 lbs)
Materials	Solid Hardwood Handrails / Reinforced Plywood
Safety	Anti-slip safety treads on all surfaces

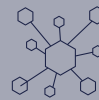
KEY CLINICAL BENEFITS:



Dual-Progression Path: Switch between shallow 10cm steps for early mobilization and 15cm steps for functional transition.



Corner-Fit Engineering: Designed to utilize the "dead space" in clinic corners, providing a full rehab suite in a compact footprint.



Neurological Safety: High-grip safety treads and 360-degree handrail access provide security for patients with balance deficits.



ADJUSTABLE METAL REHABILITATION STRAIGHT STAIRS

ELEVATE EVERY STEP

Advanced Gait & Stair Training Solutions. Helping your patients reclaim independence, one step at a time.

SQUARE TUBE HIGH-LOW STAIRCASE

THE STANDARD IN STRUCTURAL STABILITY

Built for high-traffic environments, this straight-line staircase provides the rigid support necessary for orthopedic recovery and bariatric rehabilitation.



Adjustable Metal Rehabilitation Straight Stairs

TECHNICAL SPECIFICATIONS:

Feature	Specification
Frame Material	Powder-coated Square Steel Tubing
Rise Heights	15cm (6") and 25cm (10")
Handrails	Telescopic Height Adjustment
Tread Width	Extra-wide for gait stability
Durability	Scratch-resistant, medical-grade finish

KEY CLINICAL BENEFITS:



Industrial Rigidity: The square-tube steel frame eliminates "vibration feedback," ensuring anxious patients feel completely secure.



Height-Adjustable Support: Handrails can be raised or lowered to provide optimal biomechanical support for pediatric or geriatric patients.



High-Rise Training: Features 25cm rises on one side—perfect for training patients to navigate high curbs and public transport steps.



INNOVATIVE SOLUTIONS

IN THIS SECTION:

- Kinvent: Biofeedback system with sensors for real-time grip strength and ROM tracking.
- Dynamic Tape: Biomechanical tool that aids functional movement with unique stretch properties.
- Physiosense: Smart pressure mapping technology for optimising wheelchair seating and preventing sores.
- Deep Oscillation: Non-invasive therapy that reduces edema and speeds healing without manual pressure.
- LymphaTouch: A negative-pressure device that expands tissue to enhance lymphatic flow and break down scar tissue adhesions.
- EasyAngle: A digital goniometer for one-handed, 3D measurement of all joint angles, replacing manual tools with high-speed digital precision.
- Neurotrac: EMG biofeedback devices for retraining motor control and strengthening pelvic floor function.



KINVENT K-GRIP: PRECISION HAND DYNAMOMETRY

TRANSFORMING HAND THERAPY FROM SUBJECTIVE OBSERVATION TO OBJECTIVE EXCELLENCE

The Kinvent K-Grip is a high-precision, wireless dynamometer designed to assist Occupational Therapists (OTs) by providing objective, data-driven assessments and engaging real-time biofeedback. By replacing traditional subjective methods with quantifiable metrics, the K-Grip empowers clinicians to deliver personalised, high-impact rehabilitation for neurological and musculoskeletal conditions.



OBJECTIVE ASSESSMENT & PRECISION

Move beyond manual muscle testing. The K-Grip provides exact data on:

- Maximal Grip Strength: Establishes a concrete baseline for recovery.
- Force Peak: Identifies the highest force achieved during a contraction.
- Endurance & Fatigue: Quantifies nervous fatigue and muscle stamina, essential for post-stroke and athletic recovery.



REAL-TIME BIOFEEDBACK

The K-Grip connects via Bluetooth to the Kinvent Physio App, turning effort into visual data. This instant feedback allows patients to understand their muscle activation immediately, improving the mind-muscle connection during critical phases of rehab.



PERSONALISED TRAINING & GAMIFICATION

Therapists can design custom protocols with specific targets for repetitions, force, and tempo. To combat "rehab fatigue," the app features interactive "video-game" style exercises—such as guiding Karl the Kangaroo—that make repetitive movements engaging.



AUTOMATED REPORTING

Generate professional, exportable PDF reports at the click of a button.

Seamlessly share progress with:

- Referring Physicians
- Insurance Providers
- The Interdisciplinary Care Team

TECHNICAL SPECIFICATIONS

- Max Force: Up to 90 kg (198 lbs)
- Accuracy: Within 0.2% of the reading
- Connectivity: Bluetooth Wireless (Up to 40m range)
- Portability: Lightweight and compact for clinical or home-visit use.



THE PATIENT EXPERIENCE: MOTIVATION THROUGH CLARITY

- Empowering Recovery Through Tangible Results
- Rehabilitation is a journey of small wins. The K-Grip makes those wins visible, providing patients with the psychological boost needed to stay committed to their treatment plan.

WHY PATIENTS PREFER K-GRIP THERAPY

- See Your Progress: Patients no longer have to wonder if they are getting stronger. Clear charts and graphs show real-time improvement, building confidence in the treatment plan.
- Gamified Motivation: By turning exercises into challenges, patients focus on the goal of the game rather than the discomfort of the repetition, leading to higher adherence rates.
- Functional Independence: Training translates directly to Activities of Daily Living (ADLs). Strengthening grip improves the ability to open jars, carry groceries, and maintain safety in the home.
- Transparency: Patients have access to their own digital profile, fostering a sense of ownership over their recovery journey.

Field	Application
Neurological Rehab	Monitoring recovery in post-stroke and TBI patients.
Orthopedics	Post-surgical recovery for Carpal Tunnel, fractures, and tendon repairs.
Geriatrics	Monitoring and fighting age-related decline (Sarcopenia) and fall risks.
Sports Medicine	Tracking fatigue levels and return-to-play readiness for athletes.

LEARN MORE & WATCH IN ACTION:



Product Details



Demonstration



KINVENT



HAND-HELD DYNAMOMETER

K-PUSH

K-Push is a lightweight, versatile, connected hand-held dynamometer designed to deliver quick strength assessments on the go. It allows you to assess the maximum and average strength of various muscle and joint groups



GRIP DYNAMOMETER

K-GRIP

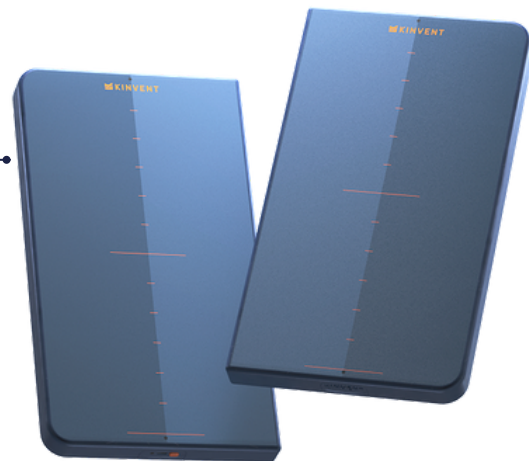
A hand-held dynamometer to measure and assess grip strength. A smart grip strength trainer, K-Grip is a must-have for neurological rehabilitation, tracking fatigue in high-performance athletes, fighting the aging process, and so much more



ELITE FORCE PLATES

K-DELTA

K-Delta measure and improve athletes' physical performance and help physiotherapists manage their return to sport.



LIGHTWEIGHT FORCE PLATES

K-FORCE PLATES

Portable force plates are the perfect solution for measuring static and dynamic balance in a wide range of movements (like stance and squats). Its resistance and lightweight design make it ideal for assessment and exercise in proprioception. You can easily use it in your practice, as well as on the field.



THE PORTABLE EMG SENSOR

K-MYO

The non-invasive EMG sensor helps shorten the rehabilitation process by chasing the weakened muscle groups, transcending muscle activation and tracking patient's improvement.

The K-Myo is a portable physical therapy device that allows practitioners to collect and analyse data on muscle distribution rates, reconstruction, imbalance, power, and activation.



TRACTION DYNAMOMETER

K-PULL

Robust and versatile, K-Pull is a traction dynamometer that's designed to measure the isometric strength of powerful muscle groups, along with strength ratios, endurance or muscle symmetry from any angle with, its included accessory kit.



DYNAMIC TAPE

DYNAMIC TAPE: THE BIOMECHANICAL TAPING SOLUTION

Managing Load, Modifying Movement, and Improving Functional Participation

Dynamic Tape is not a kinesiology tape or a rigid athletic tape. It is a unique Biomechanical Tape with strong elastic properties and four-way stretch that acts like an "external muscle." By absorbing and injecting energy, it assists Occupational Therapists (OTs) in managing the physical stresses placed on a patient's body during daily activities.



ADVANCED LOAD MANAGEMENT

Dynamic Tape acts like a "bungee cord," absorbing mechanical energy to reduce the workload on injured or weak muscles, tendons, and ligaments. This is critical for treating conditions like tendinopathy, muscle strains, and joint instability, allowing patients to engage in rehab with less pain.



MOVEMENT PATTERN RETRAINING

OTs can apply the tape to physically influence movement mechanics. This helps:

- Correct compensatory movements.
- Manage shoulder mechanics in overhead tasks.
- Improve gait patterns (e.g., assisting with foot drop).



SUPPORT WITHOUT RESTRICTION

Unlike rigid tapes that immobilise, Dynamic Tape's four-way stretch allows for a full range of motion. It provides dynamic support during real-world tasks, such as grasping a cup in stroke recovery or performing work-related wrist and hand tasks.



PROPRIOCEPTION & NEUROMUSCULAR CONTROL

The constant sensory input from the tape enhances the body's awareness of joint and muscle position. This improved feedback is vital for neurological rehabilitation (e.g., Cerebral Palsy) and improving overall motor control and balance.



THE PATIENT EXPERIENCE: ACTIVE RECOVERY IN MOTION

Empowering Patients to Move Better, Sooner

For the patient, Dynamic Tape provides immediate, observable assistance. It bridges the gap between clinical treatment and the "real world," allowing for a more active role in the recovery process.

WHY PATIENTS PREFER DYNAMIC TAPE

- **Significant Pain Reduction:** By offloading strained structures and reducing tension on overworked tissues, patients experience relief without a heavy reliance on medication.
- **Assistance with Weakness:** For those recovering from surgery or a stroke, the tape provides "mechanical assistance" to specific movements, reducing the effort required to perform daily tasks.
- **Enhanced Stability:** Provides a sense of security and joint stability—particularly beneficial for ankle sprains or joint laxity—allowing patients to move with greater confidence.
- **Faster Return to Activity:** By facilitating early, controlled loading of injured structures, Dynamic Tape helps accelerate the timeline for returning to work, hobbies, and normal life.
- **Comfort & Durability:** The tape is non-invasive, breathable, and highly conformable. It can be worn for several days at a time, even during bathing or swimming, ensuring 24/7 support.

The Path to Functional Independence

The ultimate goal of Occupational Therapy is a return to meaningful life roles. Dynamic Tape serves as a valuable adjunct modality that complements:

- **Manual Therapy:** Prolonging the effects of a clinical session.
- **Exercise Programs:** Ensuring correct form and reducing strain during strengthening.
- **Neuromuscular Stimulation:** Enhancing motor learning through physical assistance.

By managing the physical stresses on the body during activity, Dynamic Tape helps patients regain the independence they need to thrive in their daily routines.

LEARN MORE & WATCH IN ACTION:



Product Details



Demonstration



DYNAMIC TAPE
BEIGE ON BEIGE TATTOO



DYNAMIC TAPE
BLACK ON BEIGE TATTOO



DYNAMIC TAPE
BLACK ON GREY TATTOO

PHYSIOSENSING:

ADVANCED BALANCE & POSTURAL CONTROL

Redefining Equilibrium through Baropodometric Precision and Visual Biofeedback

PhysioSensing provides a state-of-the-art solution for assessing and training balance, postural control, and gait. By utilising high-precision pressure platforms and immersive software, clinicians can move beyond subjective observation to a quantifiable, evidence-based approach to rehabilitation.



HIGH-PRECISION BAROPODOMETRIC PLATFORMS

This portable and compact plates utilise numerous sensors to capture the Center of Pressure (CoP), weight distribution, and postural sway. This technology is essential for diagnosing disorders, assessing fall risks, and monitoring recovery in neurology, orthopedics, and sports medicine.



EVIDENCE-BASED ASSESSMENT PROTOCOLS

PhysioSensing Basic comes pre-loaded with industry-standard clinical protocols to identify specific sensory or motor deficits:

- mCTSIB: Evaluates sensory organisation (eyes open/closed, firm/foam).
- Limits of Stability (LOS): Quantifies how far a patient can reach without losing balance.
- Fall Risk Screening: Uses sway velocity to identify at-risk elderly populations.
- BESS & Romberg Tests: Objectively measures postural stability and proprioceptive deficits.



REAL-TIME VISUAL BIOFEEDBACK

The platform transforms invisible forces into immediate visual data. Patients see their center of gravity on-screen, allowing them to consciously correct their posture and movement patterns—a critical step in retraining neural pathways and improving motor skills.



CLINICAL REPORTING & DATA INTEGRATION

Replace manual charting with automated, exportable PDF and Excel reports. These data-driven insights allow OTs to:

- Accurately track patient progress over time.
- Make precise adjustments to treatment plans.
- Provide objective documentation for physicians and insurance providers.



THE PATIENT PATH: FROM STABILITY TO INDEPENDENCE

EMPOWERING PATIENTS THROUGH GAMIFIED RECOVERY AND CONFIDENCE

In Occupational Therapy, balance is the foundation of independence. PhysioSensing turns repetitive balance training into an engaging, goal-oriented experience that directly translates to Activities of Daily Living (ADLs).

PRIMARY PATIENT BENEFITS

- **Interactive Gamification:** Interactive games like "Slime Run" and "Space Sway" turn difficult balance exercises into fun challenges. This "gamified" approach increases patient motivation and adherence to long-term therapy programs.
- **Tangible Proof of Progress:** Patients can literally see their improvement through clear charts and real-time feedback. This objective evidence builds psychological confidence and encourages active participation in their own recovery.
- **Improved Proprioception:** By watching their movements on-screen, patients gain a better "body-in-space" awareness, learning more effective strategies for hip, knee, and ankle stability.
- **Reduced Fall Anxiety:** For elderly patients or those with neurological conditions (Stroke, Parkinson's), regaining stability reduces the fear of falling, allowing for safer community re-engagement.

FUNCTIONAL TRAINING FOR REAL-LIFE TASKS

PhysioSensing isn't just about standing still; it's about moving with purpose. OTs use the system to train the underlying skills needed for:

- **Transferring:** Improving Sit-to-Stand mechanics for chairs and beds.
- **Self-Care:** Enhancing the stability needed for standing during bathing or dressing.
- **Mobility:** Correcting weight distribution for a more natural, confident gait.
- **Reaching:** Training the limits of stability for reaching into cabinets or carrying groceries.

LEARN MORE & WATCH IN ACTION:



Product Details



Demonstration



PHYSIOSENSE BASIC
BALANCE BOARD

DEEP OSCILLATION THERAPY

A BREAKTHROUGH IN TISSUE MOBILISATION

Gentle, Deep-Penetrating Relief for Acute and Chronic Rehabilitation

Physiomed Deep Oscillation Therapy (DOT) is a unique, non-invasive modality that uses electrostatic pulses to create biological vibrations in the treated tissue. Unlike mechanical vibration or ultrasound, DOT works on all tissue layers (skin, connective tissue, subcutaneous fat, muscles, blood, and lymph vessels), making it an ideal tool for Occupational Therapists (OTs) to address physical barriers to functional recovery.



ADVANCED OEDEMA & SWELLING MANAGEMENT

DOT "shuffles" the interstitial fluid, promoting the rapid removal of waste products and excess fluid. It is exceptionally effective for:

- Lymphoedema management.
- Post-operative swelling (can be used immediately post-surgery).
- Acute injury hematomas and bruising.



PAIN & SPASM REDUCTION

By reallocating pain-mediating substances and reducing inflammation, DOT alleviates both acute and chronic pain. This allows patients with arthritis, fibromyalgia, or post-surgical discomfort to participate in active therapy sooner.



TISSUE QUALITY & SCAR MANAGEMENT

DOT improves nutrient supply and accelerates wound healing. OTs can use it to:

- Softens Fibrosis: Break down hardened tissue and chronic scars.
- Improve Elasticity: Enhance skin movement required for fine motor skills.
- Treat Open Wounds: Speed up healing for ulcers and burns.



NEUROLOGICAL & MUSCLE SUPPORT

In neurological rehab (e.g., post-stroke), DOT helps relax spastic muscles and improves the patient's sensory perception of their affected limbs, creating a foundation for purposeful movement.



THE PATIENT PATH: COMFORTABLE HEALING, FASTER RESULTS

BRIDGING THE GAP BETWEEN INJURY AND INDEPENDENT LIVING

Deep Oscillation Therapy is often described by patients as a pleasant, soothing vibration. By treating the underlying physical impairments, DOT empowers patients to engage more fully in the activities that matter most to them.

Why OTs Prefer Deep Oscillation

- Early Intervention: Can be applied over implanted pins and plates immediately after surgery when other modalities are contraindicated.
- Reduced Physical Strain: Applied via a handheld applicator or gloved hands; it requires no pressure, protecting the therapist's hands from wear and tear.
- Versatility: Suitable for everyone from pediatrics to geriatrics.

PRIMARY PATIENT BENEFITS

Painless & Soothing: Unlike deep tissue massage, DOT is non-traumatic. It is perfect for patients with fragile skin or high sensitivity to pain.

Accelerated Independence: By reducing muscle stiffness and improving flexibility, patients can return to daily tasks—like dressing, grooming, and cooking—much faster than with conventional therapy alone.

Psychological Well-being: The relaxing nature of the treatment reduces stress and anxiety, fostering a positive mindset toward the rehabilitation journey.

Continuity of Care: Portable home-use devices can be programmed by the OT, allowing patients to maintain progress between clinical visits.

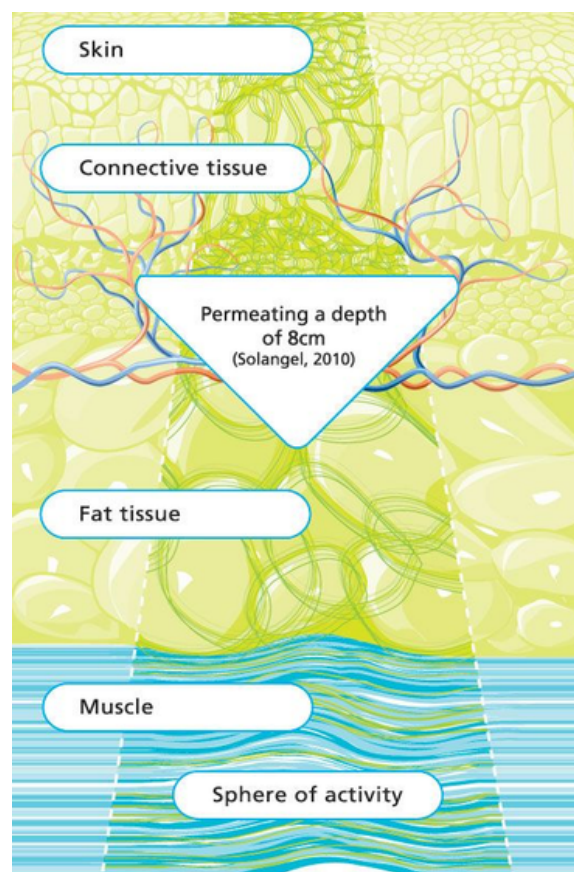
LEARN MORE & WATCH IN ACTION:



Product Details



Demonstration



LYMPHATOUCH

ADVANCED NEGATIVE PRESSURE THERAPY

Revolutionising Lymphatic Drainage and Soft Tissue Mobilisation

LymphaTouch is a medical device that utilises controlled negative pressure (suction) combined with high-frequency mechanical vibration to accelerate the body's natural healing processes. By lifting the skin and decompressing the underlying tissues, it provides a multidimensional approach to therapy that traditional manual techniques cannot achieve alone.



SUPERIOR EDEMA & LYMPHEDEMA MANAGEMENT

LymphaTouch activates the lymphatic system by creating a vacuum effect that expands the initial lymph vessels. This "lifts" the tissue to create space, moving stagnant fluid and toxins away from swollen areas. It is highly effective for:

- Post-operative swelling (e.g., orthopedics, oncology).
- Chronic Lymphedema management.
- Acute injury edema reduction.



SCAR AND FASCIA MOBILISATION

The negative pressure introduces a "lifting" dimension to manual therapy, which is crucial for decompressing tight fascia and trigger points. It is a vital tool for:

- Softening fibrotic tissue and breaking down adhesions (cording).
- Improving scar elasticity after surgeries (e.g., breast cancer, C-sections).
- Enhancing range of motion by releasing restricted soft tissue



OCCUPATIONAL ERGONOMICS & CAREER LONGEVITY

A major benefit for OTs is the reduction of physical strain. The device performs the mechanical work of lifting and stretching tissue, significantly minimising repetitive strain on the therapist's hands, wrists, and shoulders.



OBJECTIVE DATA & PRECISION

Therapists can tailor treatments using adjustable pressure settings (0 to 350 mmHg). This allows for:

- Standardised protocols tailored to individual tissue sensitivity.
- Documented progress using objective pressure levels and tissue response data.



THE PATIENT PATH: FASTER HEALING, VISIBLE RESULTS

ENHANCED COMFORT AND MOBILITY FOR A QUICKER RETURN TO DAILY LIFE

For patients, LymphaTouch provides a comfortable and non-invasive alternative to traditional deep-pressure manual therapy. Its ability to produce visible results—often after a single session—boosts patient confidence and adherence to the rehabilitation plan.

PRIMARY PATIENT BENEFITS

- **Rapid Pain Relief:** By alleviating fluid pressure and muscle tension, patients often experience immediate pain reduction, decreasing the need for pain medication.
- **Improved Daily Function:** Softening restricted scar tissue allows patients to regain the range of motion necessary for ADLs, such as dressing, reaching, and grooming.
- **Comfortable Experience:** The treatment is gentle and relaxing, making it ideal for patients with sensitive skin, oncology patients, or those who find manual "deep tissue" work painful.
- **Accelerated Recovery:** Enhanced circulation and metabolic waste removal mean faster healing times for acute injuries and post-surgical sites.



LEARN MORE & WATCH IN ACTION:



Product Details

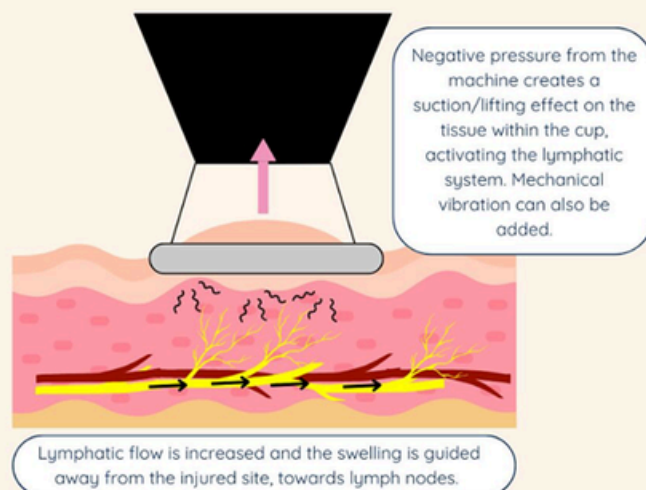


Demonstration

BENEFITS OF USING LYMPHATOUCH® FOR SWELLING @spring.physio

Types of swelling treatable with LymphaTouch®

- Lymphoedema
- Acute injuries
- Post-operative swelling

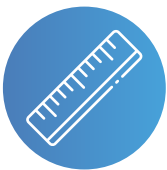


EASYANGLE

THE DIGITAL STANDARD FOR ROM ASSESSMENT

ONE-HANDED PRECISION FOR JOINT RANGE OF MOTION AND ERGONOMIC ANALYSIS

EasyAngle is a medical-grade digital goniometer designed to replace a pocketful of traditional tools. Using an advanced inertial measurement unit (IMU), it provides quick, precise, and objective measurements for all body joints, including the spine and scapula. For the Occupational Therapist, it simplifies the transition from assessment to intervention.



HIGH-PRECISION OBJECTIVITY

Eliminate the subjectivity of "eyeballing" measurements. EasyAngle offers a precision of $\pm 1^\circ$, ensuring consistent results across different practitioners (high inter-rater reliability). This accuracy is vital for:

- Monitoring minute changes in progress.
- Providing "hard data" for insurance claims and clinical reports.
- Validating the effectiveness of specialised interventions.



THE ULTIMATE ALL-IN-ONE DEVICE

Simplify your toolkit. EasyAngle replaces:

- Standard Goniometers
- Inclinometers & Scoliometers
- CROM (Cervical) and BROM (Back) devices
- Cobb angle measurement tools for Scoliosis



ERGONOMIC SINGLE-HANDED OPERATION

The device is designed for one-handed use. This allows OTs to keep their other hand free to support the patient, provide manual guidance, or manage a child's positioning during pediatric assessments.



VERSATILE MEASUREMENT CAPABILITIES

Measure all joints, from the complex cervical spine to the smallest finger joints. Its ability to measure in all planes (flexion, extension, rotation, abduction, and adduction) makes it the most versatile ROM tool in the clinic.



THE PATIENT PATH: SEEING IS BELIEVING

BOOSTING ADHERENCE THROUGH QUANTIFIABLE SUCCESS

In rehabilitation, "feeling better" is subjective, but "gaining 10 degrees" is a fact. EasyAngle turns the assessment process into a powerful motivational tool for the patient.

PRIMARY PATIENT BENEFITS

- **Motivation through Concrete Data:** Seeing a digital number increase over time provides a powerful psychological boost. It confirms that their hard work in therapy is yielding measurable results.
- **Clear Communication:** The easy-to-read digital display allows the therapist to show the patient exactly where they are and where they need to be, fostering a collaborative "team" approach to recovery.
- **Faster, More Efficient Visits:** Because measurements take only seconds, more time is dedicated to functional training and treatment rather than tedious documentation.
- **Tailored Treatment:** High-precision data allows for micro-adjustments in exercise protocols, ensuring the treatment is perfectly calibrated to the patient's current physical state.

BEYOND THE BODY: ENVIRONMENTAL & ERGONOMIC ASSESSMENT

- Occupational Therapists uniquely benefit from EasyAngle's ability to measure against "Absolute zero." This is essential for:
- **Workstation Ergonomics:** Measuring desk, monitor, and chair angles.
- **Home Evaluations:** Checking the slope of ramps or the height of safety installations.
- **Wheelchair Fitting:** Ensuring precise seat-to-back and leg-rest angles for optimal pressure distribution and comfort.

LEARN MORE & WATCH IN ACTION:



Product Details



Demonstration



NEUROTRAC

THE INTERSECTION OF BIOFEEDBACK AND STIMULATION

OBJECTIVE ASSESSMENT, TARGETED INTERVENTION, AND EMG-TRIGGERED RECOVERY

The NeuroTrac series (including the MyoPlus and Simplex) represents a sophisticated leap in neurorehabilitation. By combining Electromyography (EMG) to monitor muscle activity with Neuromuscular Electrical Stimulation (NMES/EMS), these devices provide Occupational Therapists (OTs) with a closed-loop system for muscle re-education, strengthening, and functional recovery.



EMG (ELECTROMYOGRAPHY) BIOFEEDBACK

The "Eyes and Ears" of the muscle. EMG electrodes detect micro-volt signals produced by skeletal muscles.

- Visualises the Invisible: Patients see real-time graphs of their muscle activity, making internal physiological processes visible.
- Objective Assessment: Quantify work/rest averages, peak values, and onset times to move beyond subjective manual muscle testing.
- Neuromuscular Re-education: Helps patients "find" and isolate inhibited muscles, especially in post-stroke or pelvic floor rehabilitation.



EMS/NMES (ELECTRICAL MUSCLE STIMULATION)

The "External Driver." Delivers electrical impulses to induce involuntary muscle contractions.

- Prevents Atrophy: Maintains muscle mass during periods of disuse or post-surgical immobilisation.
- Strengthening: Mimics natural contractions to build power in paretic or weakened limbs.
- Spasticity Management: Cyclic stimulation helps decrease muscle tone, facilitating functional movement and increased range of motion.



ETS (EMG-TRIGGERED STIMULATION)

The "Active Connection." This mode bridges the gap between patient effort and success.

- How it works: The patient attempts a voluntary contraction. Once their EMG signal reaches a preset threshold, the device "rewards" that effort by triggering a full EMS contraction.
- Neuroplasticity: Encourages the brain to re-establish neural pathways, making it more effective for functional recovery (e.g., grasp and release) than passive stimulation alone.



THE PATIENT EXPERIENCE: ACTIVE PARTICIPATION IN RECOVERY

EMPOWERING PATIENTS THROUGH BIOFEEDBACK AND DATA-DRIVEN SUCCESS

Traditional rehabilitation can often feel passive. NeuroTrac transforms the patient into an active participant by providing immediate, undeniable proof of their effort, fostering a sense of control over their own recovery.

PRIMARY PATIENT BENEFITS

- **Motivation through Gamification:** Integrated software turns repetitive contractions into interactive games. Watching a bar graph rise or a character move in response to their muscle effort makes therapy engaging and fun.
- **Confidence & Clarity:** Patients no longer have to guess if they are "doing it right." The immediate visual/auditory feedback confirms they are activating the correct muscle groups.
- **Faster Functional Gains:** By using ETS (EMG-Triggered Stimulation), patients practice "purposeful effort," which leads to quicker improvements in daily tasks like eating, dressing, and grasping objects.
- **Home Autonomy:** Many NeuroTrac devices are portable and user-friendly, allowing therapists to prescribe guided home exercise programs that ensure consistency between clinical visits.



NEUROTRAC®
MYOPLUS PRO



NEUROTRAC®
MYOPLUS2 PRO



ROOVJOY DIGITAL
TENS & EMS UNIT

LEARN MORE & WATCH IN ACTION:



Product Details



Demonstration

CLINICAL APPLICATIONS IN OCCUPATIONAL THERAPY:

- **Neurological Rehab:** Stroke recovery, Hemiparesis, and Foot Drop.
- **Hand Therapy:** Improving grip strength and fine motor coordination.
- **Pelvic Health:** Addressing urinary and fecal incontinence via targeted pelvic floor training.
- **Pain Management:** Utilising TENS modes for chronic back, neck, and shoulder pain.

CHATANOOGA WIRELESS

THE ULTIMATE INTEGRATION OF ELECTROTHERAPY AND FUNCTIONAL EXERCISE

The Chattanooga Wireless Pro is the most advanced multimodal electrotherapy unit on the market. By removing the restriction of cables, it allows the OT to combine electrical stimulation with active, functional movement, facilitating faster motor learning and muscle recruitment.



FUNCTIONAL MOBILITY

Perform sit-to-stand, gait training, or reaching tasks without being tethered to a machine.



MULTI-SENSOR TECHNOLOGY

Features "Mi-Technology" (Mi-Scan, Mi-Action, Mi-Tens) which automatically adjusts the stimulation to each patient's unique muscle physiology.



PROFESSIONAL EFFICIENCY

Treat multiple areas simultaneously or manage two patients at once using independent wireless modules



Chattanooga Wireless Pro

FEATURES:

- Multi-Program Library: Includes pre-set protocols for Pain Management, Muscle Stimulation, Vascular therapy, and Aesthetic treatments.
- Wireless Freedom: Four compact modules that dock directly into the main station for easy charging and syncing.
- Patient Safety: Features "Mi-Range" to guide the therapist in selecting the optimal intensity for chronic pain or recovery programs.



TENS & EMS MACHINES

PORTABLE SOLUTIONS FOR PAIN MANAGEMENT AND MUSCLE RE-EDUCATION

Our range of TENS (Transcutaneous Electrical Nerve Stimulation) and EMS (Electronic Muscle Stimulation) devices provides OTs with a versatile, portable solution for both clinic and home-care programs. These devices are essential for gate-control pain relief and preventing muscle atrophy during recovery.



DRUG-FREE PAIN RELIEF

Effectively manages acute and chronic pain by blocking pain signals to the brain and releasing endorphins.



ATROPHY PREVENTION

EMS modes help maintain muscle mass in patients with limited mobility or post-surgical restrictions.



PATIENT AUTONOMY

Simple interfaces allow for easy prescription as part of a Home Exercise Program (HEP).



NeuroTrac® MultiTENS



Compex Mini Wireless
Muscle Stimulator



MT9000 Pro 4-Channel
Tens & EMS Machine

FEATURES:

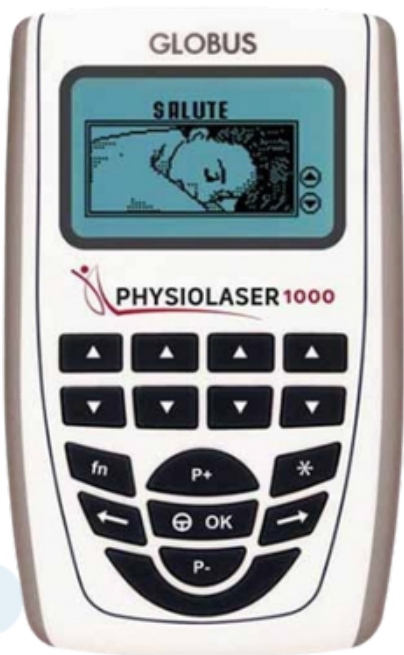
- Dual Channel Control: Allows for the treatment of two different body parts or muscle groups simultaneously.
- Customizable Modes: Adjustable pulse width, frequency, and timers to tailor the sensation to patient comfort.
- Durable & Compact: Lightweight design with belt clips for active use during daily activities.



GLOBUS LASER

High-Performance Laser Therapy for Tissue Repair

The Globus Physiolaser 1000 is a powerful, professional-grade Class 3b laser designed for deep tissue biostimulation. It is an essential tool for OTs treating hand injuries, scars, and inflammatory conditions, significantly reducing healing time through non-invasive light therapy.



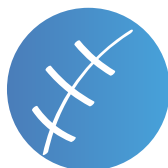
ACCELERATED HEALING

Stimulates ATP production to speed up cellular repair in tendons, ligaments, and skin.



INFLAMMATION CONTROL

Highly effective at reducing localized swelling and pain in conditions like Carpal Tunnel or De Quervain's Tenosynovitis.



SCAR MANAGEMENT

Softens fibrous tissue and improves the aesthetic and functional outcome of surgical scars.

FEATURES:

- Extensive Protocol Library: Features over 30 pre-set programs categorized by clinical condition (Health, Dermatology, and Sports).
- Portable Design: Rechargeable battery and lightweight frame for ease of use across different treatment plans.
- Precision Applicator: Designed for targeted treatment of small joints in the hands and feet.



SYREBO GLOVE

RECLAIM THE POWER OF MOVEMENT

SYREBO® REHABILITATION ROBOT GLOVES
CUTTING-EDGE SOFT ROBOTIC TECHNOLOGY FOR NEURO-REHABILITATION

The Syrebo® Soft Robotic Glove represents a paradigm shift in neurological recovery. By combining bionic exoskeleton technology with neuroplasticity principles, we provide a solution that is both clinically powerful and home-user friendly.



Syrebo Rehabilitation Glove (Orange)



Syrebo Rehabilitation Glove (Blue)



Syrebo Rehabilitation Unit Only

DESIGNED FOR SURVIVORS OF:

Stroke & Hemiplegia

Spinal Cord Injury (SCI)

Cerebral Palsy

Traumatic Brain Injury (TBI)

Post-Surgical Hand Trauma

HOW SCIENCE DRIVES RESULTS:

SYREBO® DOESN'T JUST MOVE YOUR HAND; IT RETRAINS YOUR BRAIN



Mirror Therapy (The "Golden Mode"): By wearing the data glove on the healthy hand, the robotic glove mimics the movement on the affected side. This visual and physical feedback stimulates the motor cortex and accelerates neural path rebuilding.



Passive Training: Continuously mobilizes joints to reduce edema and muscle spasticity.



Active-Assistance: The glove detects your intention to move and provides the mechanical force needed to complete the task.

PROFESSIONAL APPLICATION

Recommended by FICS (International Federation of Sports Chiropractic), ProtechTor is the preferred choice for:



Independent Finger Training:

Selectively isolate fingers via manual valves for targeted flexion/extension.



ADL Training:

Lightweight enough to be used while practicing real-life tasks like grasping bottles, holding spoons, or turning knobs.



Quantifiable Progress:

Digital controls allow for 9 levels of intensity, making it easy to track and document a patient's progression.

CLINICAL PERFORMANCE & MODES

Feature	Specification / Function
Training Modes	7 Intelligent Modes: Passive, Mirror (Single/Multi-finger), Active-Assistance, Fine Motor, Pinch/Opposition, Stretching, and Game Mode.
Intensity Levels	1-9 Adjustable Strength Levels (allows for granular progression).
Mirror Training	Upgraded: Supports both bilateral symmetry and isolated single-finger mirror training via the high-precision data glove.
Stretching Mode	Scientifically timed 30-second intervals to optimize muscle fiber elongation and reduce spasticity.
Task-Oriented Training	Integrated ADL protocols (e.g., holding a cup, spoon, or ball) to bridge the gap to functional independence.

HOW IT WORKS: THE 4-WAY ADVANTAGE

To simplify the technology for a patient or practitioner, the Syrebo functions through a sophisticated loop of "Sense, Mimic, and Move."

- ✓ Neural Re-education via Mirror Therapy
- ✓ Task-Oriented "ADL" Training
- ✓ Soft Robotic Exoskeleton Assistance
- ✓ Interactive Gamified Feedback

NOW AVAILABLE AT HITECH THERAPY

Ready to see Syrebo® in action? Contact our Product Specialist team for a clinical demonstration



TAKE THE NEXT STEP

**WE WOULD LIKE TO
COME SEE YOU**
BOOK YOUR DEMO TODAY!

✉ sales@htherapy.co.sa

☎ 011 704 0002

🌐 www.hitechtherapyonline.co.sa

