

Who we are

Mediquipe is a distributor of equipment for physical medicine, objective functional assessment and rehabilitation. We place science at the heart of our care process by striving to provide leading edge evidence-based equipment of the highest standard. Mediquipe supplies a range of multi-disciplinary acute and subacute care equipment in South Africa and Africa and focuses on providing value to patients through safe, quality care in creating a patient friendly environment.

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PHYSICAL MEDICINE



MEDIQUIPE™

Our Rehabilitation Equipment provides advanced evidence-based physical therapy systems for clinics, hospitals, and private practices.

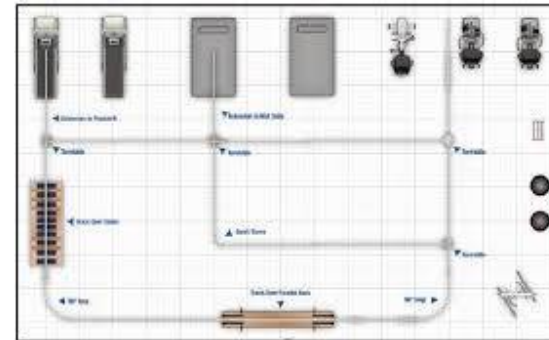
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Our Products & Services

Design your vision

Custom Configuration to suit your facility and need



AMBULATION



Support weakened or balance deficient patients without using additional floor space or requiring additional staff.

FREESTEP SUPPORTED AMBULATORY SYSTEM



FULL OR PARTIAL WEIGHT BEARING SUPPORT



Offloading a percentage of body weight enables the opportunity for early rehabilitation while providing a safe environment for patient and therapist. Therapists can focus on treating their patients, manually facilitating lower extremities.



The Gait Trainer provides audio and visual biofeedback of step length and step speed. The Unweighing Support System provides assistance, helping patients regain their confidence, their strength and their stride. The Unweighing System, combined with the Gait Trainer 3 allows every patient the opportunity to get an early start on rehabilitation.

GAIT TRAINER PLUS UNWEIGHING SYSTEM

GAIT TRAINER 3



The Gait Trainer™ 3 is more than a treadmill. It is designed with an instrumented deck that issues both audio and visual real-time biofeedback to prompt patients into their correct gait pattern. Step length, step speed and right-to-left time distribution (step symmetry) are directly addressed; patient footfall is compared to desired footfall step after step, both on the display in real time and documented in an easy to read histogram.

New Music-Assisted Therapy



While the repetition of gait training encourages lasting effects through neuroplasticity, music therapy-informed song selections facilitate desired gait patterns. The Gait Trainer includes a starter library of compositions created by music therapists that can be adjusted to a range of bpm's without degrading music quality – even accommodating lower bpm's for late stages of Parkinson's. The system allows music therapists to upload their own music, and transfer to a patient's personal device to reinforce training outside the clinical setting.

MOBILITY ASSIST

It is important to get patients up and walking. This basic activity overcomes circulation problems, disuse atrophy, stimulates neural pathways, and plays a role in the psychology of a patient's sense of independence.

Once standing, the patient has controlled body weight and standing balance and can initiate ambulation. If they can move their legs, they can walk with the Mobility Assist. From bedside or wheelchair to anywhere in the clinic or hospital setting – even outside to enjoy good weather in the courtyard – the Mobility Assist will mobilize patients who have difficulty rising from a seated to standing position.



Used as an ambulation therapy aid to help therapists, nurses and caregivers work with patients who have difficulty rising from seated to standing position.

The Mobility Assist™ is a motorized stand-assist device that brings patients from a seated to standing position with the protection of a safety harness. As the patient stands using correct biomechanics, their center of gravity remains within the support of the device.



Safe Patient Handling

While essential to invest in equipment and training to prevent patient falls, it is equally important to protect therapists, rehabilitation nurses, caregivers and visiting family from injury when trying to lift or support a patient.

Currently eleven states have enacted "Safe Patient Handling" laws that improve safety for both patient and healthcare provider. Powered lift-assist devices promote rehabilitation and facilitate functional recovery – while maintaining safe conditions.



BALANCE



The Balance System SD also serves as a valuable training device to enhance kinesthetic abilities that may provide some degree of compensation for impaired proprioceptive reflex mechanisms following injury. Using this unique device, clinicians can assess neuromuscular control by quantifying the ability to maintain dynamic bilateral and unilateral postural stability on a static or unstable surface.

Multiple Applications and Pathologies with a Single Investment.

The most popular Balance System...now even better. The Balance System SD has been designed to meet the needs of everyone looking to improve balance, increase agility, develop muscle tone and treat a wide variety of pathologies. Featuring easy-to-follow "touch-screen" operation, the Balance System SD is simple to learn and operate, leading the user step-by-step through testing protocols and training modes in both static and dynamic formats. Extremely versatile, it is the only system that provides a fast, accurate Fall Risk Screening and Conditioning Program for older adults; closed-chain, weight-bearing assessment and training for lower extremity patients, and adds the objective balance assessment component to a concussion management program.

BIOSWAY



The BioSway is a portable balance system bringing testing and training technology to the patient. This easy transport system is a vital tool for clinicians on-the-go with advanced features such as a new larger display, expanded connectivity, USB ports, Ethernet connectivity, upgradable software, interactive CATCHGame, Video/Audio and more.

The BioSway is a lightweight instrumented platform with a high-resolution color touchscreen display. The system sets up in minutes to provide patients with a choice of interactive teaching modes or standardized testing environments including the Clinical Test of Sensory Integration of Balance (CTSIB). BioSway provides the necessary reporting for establishing need, progress and outcome. All test results and training sessions can be stored and printed.

DYNAMOMETERS

System 4... the only choice for those who know the difference

Sports and orthopedic medicine, pediatric medicine, neurorehabilitation, older adult medicine, industrial medicine, and researchers depend on the System 4 to provide consistent, accurate, objective data. Objective data that provides the best outcome for their patients... objective data that supports their research... objective data that separates their facility from the rest.

Objective Data

Communicate need, progress and outcome

Objective Data helps you communicate need, progress and outcome clearly and accurately. Easy to read and interpret color graphic reports are produced with normative data. Graphic reports and narrative letters compare patient's status to normative data for all joints. Data legends and on-screen editing helps communicate the information in simple terms for patients, doctors, third party payers and employers.

Accuracy and Reliability

The System 4 offers a level of performance, accuracy, and safety that remains unmatched. Not surprisingly, the System 4 marks the highest correlation coefficients for reliability, accuracy, validity and repeatability.



MCU Multi-Cervical Unit

Pinpoint Weakness and Asymmetry. And Abolish Neck Pain for Good.

The MCU Multi-Cervical Unit is the most effective and complete system for the assessment and rehabilitation of patients suffering from neck pain, whiplash associated disorders (WAD), and general cervical spine disorders. The MCU is an unmatched, research-backed tool that empowers physical therapists and chiropractors alike to objectively evaluate, strengthen, and restore the ailing neck and cervical spine.



PrimusRS

One Machine. Endless Possibilities

The PrimusRS is the ultimate system for physical therapy, occupational therapy, and athletic training. PrimusRS is the pinnacle of evidence-based philosophy – physically rehabilitating patients – functionally. It gives you the power of objectivity and realtime data capture. From initial evaluation and baseline measurement through your patients' entire rehabilitation and training program.



Evaluation



EvalTech

Functional Testing System

Get the most advanced, comprehensive functional testing system for your clinic.

Advance your therapy program... justify treatment... provide the most peer-reviewed and legally defensible evals with automated reports untouched by manual data entry.

Evaluator

Portable Evaluation System

The Evaluator is the most powerful portable solution to help you get started in objective strength testing. This integrated hardware and software solution travels easily in a mobile carrying case so you can perform on-site functional testing.



MOBILITY EXERCISE

Sit-to-Stand... the most fundamental motion for functional independence. One of the most fundamental motions required to maintain/sustain a greater quality of life is the ability to stand from a seated position. Performed many times throughout the day, this biomechanically demanding movement requires more lower extremity joint torque and range of motion than walking or stair climbing.

Reinforce Therapy Strategies

With attention to detail in the biomechanics of the sit-to-stand motion and the therapy process, the Biodex Sit2Stand™ is designed to allow the therapist full access to the patient to train and reinforce strategies for the sit-to-stand motion while providing the patient a safe environment.

In addition to lower extremity strengthening, the Sit2Stand™ contributes to upper extremity strength gain. Upper extremities often compensate for lower extremity weakness, which can lead to upper extremity pain. There is a correlation between increased leg strength and reduction in shoulder problems relating to the sit-to-stand motion.²

By varying seat height and foot position, the patient will learn the effects of body position and joint angle to control center of mass and the role of momentum in rising.³ The large, comfortable contoured seat with pivoting backrest articulates naturally to correspond with pelvic tilt during sit-to-stand motion. Adjustable start and end seat position accommodates varying amounts of hip flexion and orthopedic conditions.



ERGOMETERS

Rehabilitation and conditioning capabilities are expanded by providing bi-directional cycling to alternately work reciprocal muscle groups.



MEDBIKE

medBike's touch display presents graphic biomechanical flowcharts for easy understanding. Personal data is input to individualize each training session and finished with a detailed log depicting the relevant biodata used in motion training.



Designed for people with physical limitations, medBike is ideal for independent use by individuals in their home, or in neurorehabilitation settings, SNFs, rehabilitation hospitals, and even private practice. medBike's open design offers comfortable access for those exercising from a chair or a wheelchair.

Proven to be very effective for MS and Parkinson's disease, the motion training of medBike helps loosen and strengthen muscles and reduce spasticity. Research has shown that people with Parkinson's disease may benefit by exercising in the Pedal Assisted Mode at the higher rpm levels that the medBike offers, up to 90 rpm. Dynamic high cadence cycling in patients with Parkinson's (Hoehn and Yahr Scale < 3) has been shown to improve motor function. High speed pedaling assists with higher neural activation in the brain. High-speed, low-resistance cycling elicited significant improvements in the four-square step test and 10m walk test. There was a high reliability and adequate sensitivity to detect small to moderate difference in mobility.^{1,2,3,4} The Continuous Control System avoids overstraining the lower- and upper-leg muscles, creating safe exercise conditions.

Motion training is also effective in assisting neurologic rehabilitation. Repetition is essential for training when brain or nerve damage exists. Frequent and regular movement helps with the recovery of some function.

Using a mobile App, medBike integrates with any Android device. Assistance can be provided remotely with the performance of up to eight exercise sessions monitored simultaneously. For home use, exercise performance can be stored to the Android or shared via email.

BIOSTEP

With its feature-rich design, the versatile and durable BioStep 2 can accommodate a wide variety of user profiles including orthopedic, neurorehabilitation, cardiopulmonary, sports medicine, wellness and general strengthening and conditioning programs for any age group. BioStep 2 is simple to use, requires minimal supervision and allows exercise to progress at a natural pace.

The BioStep 2 Semi-Recumbent Elliptical is naturally smooth and continuous, offering exceptional comfort. Its low-impact, elliptical motion reduces the jarring start/stop direction change often associated with other recumbent steppers, eliminating the need for users to lift or strike their feet on the footplate. The step-through frame, easy-to-use display, and comfortable robust design, make the BioStep 2 the obvious choice for cross training.

NEW Stabilization Accessories for Neurological and Musculoskeletal Challenges

Mediquipe offers stabilization accessories to meet the challenges of patients with neurological and musculoskeletal issues. Articulating handgrips and footplates add comfort while strengthening the primary muscles associated with balance, gait and mobility.



NEURO REHAB



PAIN TREATMENT

LASER
MLS - MULTIWAVE LOCKED SYSTEM



HIGH INTENSITY LASER THERAPY

NEURO ELECTRIC MUSCLE STIMULATION



MAKE IT YOUR OWN

Include and customize your service and maintenance contract.

12 Month PRODUCT WARRANTY

FREE SOFTWARE UPDATES

Mediquipe is continually meeting the challenge of market trends with advanced software development. The evolution of these improvements is offered to existing owners along the way.

eLEARNING

Designed to improve product utilization and advance clinical value, an elearning module is available for all our systems. Train your current staff or refresher training.

Overview of Programs

PARKINSONS DISEASE PROGRAMME



Help patients with Parkinson's disease improve ambulation, increase function and reduce the risk of fall. With more than 50,000 new Parkinson's disease cases reported annually, Balance & Mobility devices can help this growing, and underserved population. Intense exercise has been shown to slow the progression of symptoms.

PERIPHERAL NEUROPATHY PROGRAMME



Help Peripheral Neuropathy patients "Regain Their Center" with balance assessment and training. Peripheral neuropathy patients with extremity numbness are in a high risk of fall; our Balance Assessment and Training Program can help them improve stability and rebuild the core strength necessary to mitigate a fall and improve balance and mobility.