![BTe Technologies logo]

PrimusRS
Computerized Isokinetic Exercise & Functional Training System

Origin: USA
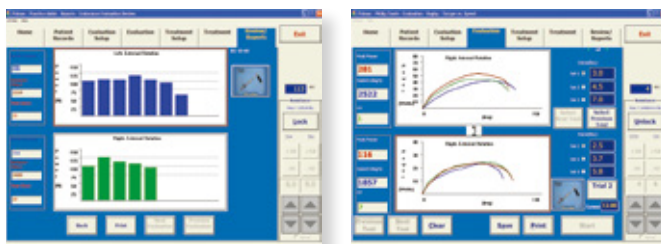**Certificate:** IEC 60601-1, IEC 60601-1-2

- **PrimusRS is the premiere choice for multi-joint musculoskeletal, neurological, and upper and lower extremity evaluation and rehabilitation**
- **Work head rotates 360 deg for exercise at any angle**
- **Work head height adjusts from 19″ to 84″ to simulate any activity**
- **Measure speeds up to 4500 degrees per second**
- **30 attachments for simulating any activity stored on side panels**

Features

Resistance

- Concentric / eccentric
- Concentric / concentric
- Concentric / off
- Minimum of 3 in-lbs / 0.34 N-m

Exercise / Test Modes

- Isotonic – unlimited speed
- Isokinetic
- Isometric
- Passive assist / CPM
- Neuromuscular control

Suitable For Training And Research

- Plyometrics
- Rhythmic stabilization
- Neuromuscular re-education
- High-load eccentrics
- Cable system delivering resistance in all three planes
- Additional attachments in PRO Package (optional)

New Software

Reports

Strength & ROM Measurement

Industrial Rehabilitation

Sports and Lower Extremity

Hand and Upper Extremity

Eccentron
Computerized Eccentric Exercise Strength Training System

Origin: USA
Certificate: IEC 60601-1

The clients resists the moving pedals at his or her own force capacity. Muscles lengthen under force (eccentric contraction) as when lowering a weight or sitting down in a chair.

Exercising on Eccentron is similar to walking down multiple flights of stairs.

Features

- Accurate measurement and reporting
- BTE smart dosing technology provides optimal targets and progression for individual client needs
- Interactive game-like experience keeps clients motivated
- Visually displays each session's performance

Evaluator™
Portable Evaluation System

Origin: USA
Certificate: IEC 60601-1, IEC 60601-1-2

The Evaluator™ is a portable solution to help you get started in objective strength testing. Complete with a powerful laptop computer running our state-of-the-art software, it comes in a mobile carrying case so you can perform on-site functional testing. Visit an employer's workplace. Transport the Evaluator™ between multiple clinics, or go right to the doctor's offices for an evaluation, and gain additional referral sources.

- Baseline Strength Measurements
- Functional Progress Analysis
- Isolated Joint Testing
- Orthopaedic Evaluation and Rehabilitation
- Sports Medicine

BTe TECHNOLOGIES™

EvalTech™
Functional Testing System

Origin: USA
Certificate: IEC 60601-1, IEC 60601-1-2

> Perform more efficient, complete Functional Capacity Evaluations (FCE, FCA, PCE, or WCE) with automated reports.
>
> EvalTech gives you an unparalleled ability to simulate thousands of work and life functions.

Versatile Testing Options

- Post Offer Employment Testing
- AMA Impairement Ratings
- Vocational Capabilites Evaluations
- Return-to-work assessments.

- Specific Job-Task Testing
- Baseline and Progression Evaluations
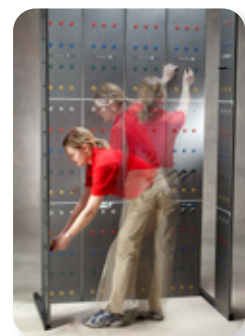- Disability Determination

Broad Physical evaluation

Carrying Capacity Test

Pushing Cargo Load Test

Pulling A Pallet Jack Test

Multi Level Axial Rotation

New Software

Prism
## Compact Occupational Therapy Evaluation Device

Origin: USA
Certificate: IEC 60601-1

Prism is the unique new testing system designed to meet your specific needs. Fully functional and FCE-ready with minimal space requirements, the lightweight Prism is easy to set up and use in the clinic or at the jobsite.


Features

- Precise data acquisition for strength and range of motion evaluations
- Automatic report generation with graphs and summaries including Coefficient of Variation
- Create and store your own testing protocols to match your preferred method of testing
- Compares job candidate's performance to actual job demands for a clear pass/fail

- FROM compares results to MTM standards
- Calibrated digital instruments ensuredata integrity
- Integration with continuous heart rate monitoring during evaluations
- Includes laptop with easy to use BTE Lumen software
- Legs fold up for smaller storage footprint when not in use
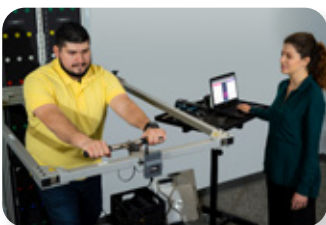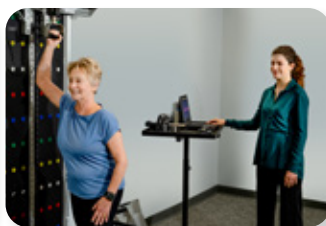

Pull Strength
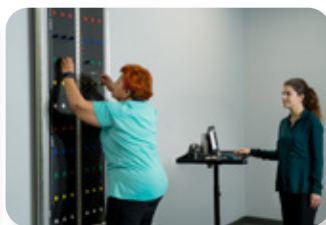
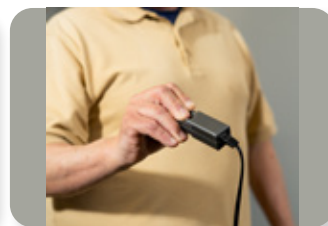Functional Range of Motion

Push Strength

Real Life Lifting

ROM (Dual Inclinometer)

Pull Down

Pinch Strength

ROM (Goniometer)

BTe TECHNOLOGIES™

Multi-Cervical Unit (MCU)
An Innovative Physical Therapy And Chiropractic System

Origin: USA
Certificate: IEC 60601-1,
EN 60601-1-2

The most effective, complete system for the assessment and rehabilitation of patients suffering from neck pain, whiplash-associated disorders (WAD), and general cervical spine disorders.
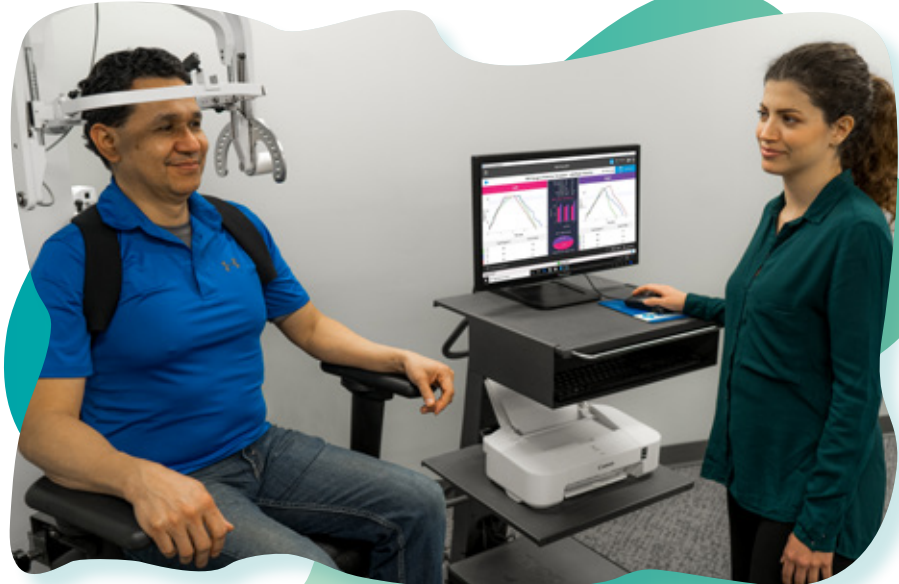
Features

- **Unlock the Key to Chronic Neck Pain Relief**
  - MCU guides you through evidence-based evaluation and treatment with a validated protocol.

- **Diagnose and rebuild the neck**
  - Restore the musculature of the neck and reduce neck pain with the MCU dynamic strengthening protocol. Complement your manual therapy with objective exercise to drive the progression of cervical spine rehab.

- **Visual progress tracking**
  - Show patient progress with live feedback during treatment and objective reports created after each session. During treatment, get a realtime view of cervical spine movement and isometric strength in all planes of motion. After each session, the graphic and narrative reports show improvements in range of motion and strength over time.

![BTe TECHNOLOGIES™]

EVJ
Scalable Mobile Evaluation System

Origin: USA
Certificate: IEC 60601-1, IEC 60601-1-2

EVJ gives you the power to perform objective mobile strength and range of motion testing quickly and easily, with powerful data export for analysis. All in an unprecedented portable, scalable evaluation system.

⊟ Applications

- Isometric strength evaluations
- Range of motion evaluations
- "Off-site" and "in-clinic" use
- Teaching/training tool
- Research data collection
- Mobile practitioners

Pull Strength　　　Pinch Strength　　　Push Strength

Data Capture And Export For Analysis

Strength And Range Of Motion

Export All Data For Analysis

EVJ is designed from the ground up to capture data for better clinical decision-making. And just as important as capturing that data is the ability to package it and export it for further analysis.

Strength & ROM Measurement

1 Hand Grip Package

The core EVJ Hand Grip Package is built on BTE's revolutionary new hand grip strength measurement device. Unlike yesterday's error-prone analog hand grip devices, the BTE EVJ handgrip represents the latest innovation in precise strength data capture. With its rapid sampling rate and blistering fast data transfer via inte grated Bluetooth, this is the best and last hand grip your clinic will ever need.

Package Includes

- BTE software
- Hardware
- Heart rate monitoring
- A control unit

2 Strength Package
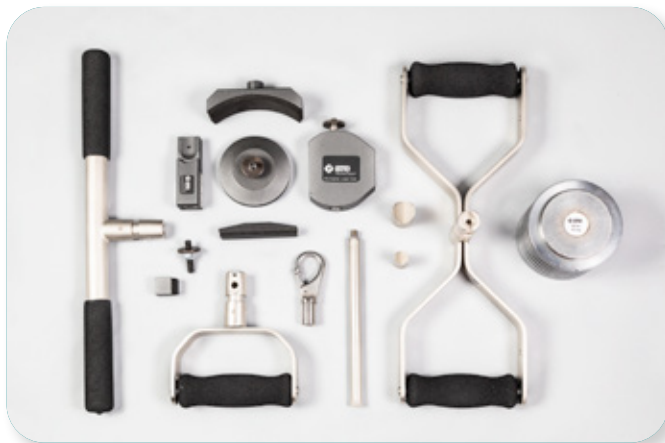
Strength measurement is an essential component of virtually any functional evaluation. A patient's ability to perform both isolated and complex functional tasks is hinged on his or her strength capacity.

Extend your capabilities to virtually any upper or lower extremity muscle testing with EVJ Strength Package.

You can test both isolated muscle groups and functional capabilities like push and pull. Meanwhile, the precise Pinch Gauge gives you the ability to accurately measure strength in fine finger movements.

Package Includes

- Bidirectional portable load cell
- Full array of attachments
- Precise pinch gauge

3 Range Of Motion Package

Reliably measuring Range of Motion used to be a difficult task, especially when it comes to accuracy. Plastic goniometers and other analog devices are not capable of capturing precise data, and are too reliant on subjective judgement. This means that measurements are not reproducible from site to site, and data logging has to be done manually by every clinician, every time.

Package Includes

- State-of-the-art dual inclinometer
- Goniometer
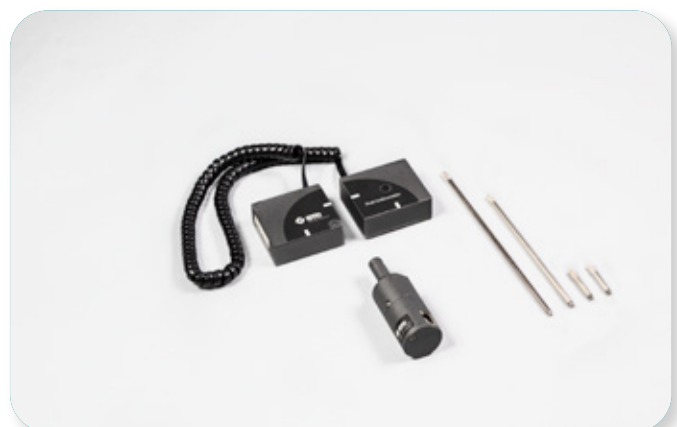
Matheson
The Trusted Leader In Occupational Rehabilitation Training

Origin: USA

1 ## Matheson Dexterity And Range Of Motion Panel System

The Matheson Dexterity and Range of Motion Panel System is a work capacity evaluation device which assesses an individual's ability to perform the physical demands present in standing, sitting, table height, overhead, and floor level assembly and disassembly tasks. Successful completion of these tasks may assist case managers, physicians, and rehabilitation professionals to make accurate job match and return-towork decisions.

2 ## EPIC Lift Capacity Evaluation System

The EPIC Lift Capacity test is a six-stage progressive test of lift capacity at the Occasional and Frequent Department of Labor frequencies. Developed by an interdisciplinary team headed by Leonard Matheson, PhD, specifically to evaluate persons with medical impairment and disability, it is the only test of lift capacity to be awarded a United States Patent (#5,848,594).

3 ## EPIC Life Capacity + Matheson Dexterity & Range Of Motion Panel System

This heavy-duty freestanding system accommodates the Epic Lift Capacity Test (ELC) and Dexterity and Range of Motion. You'll appreciate the small (42- by 42-inch) footprint. The shelves adjust to anthropometric and metric landmarks.

JAMAR®

Jamar Dynamometers
Grip Strength Evaluators

Origin: USA

1 ## Jamar Hydraulic

- Hydraulic dynamometer gives accurate and repeatable grip strength readings
- Adjustable 5-position handle
- DIGITAL JAMAR+®
- Maximum strength indicator remains until reset
- Reads lb and kg
- 200 lb (90 kg) capacity

12-0600   Jamar® hydraulic

2 ## Jamar + Digital

- For routine screening or grip strength evaluation
- Sturdy aluminum body construction
- Rapid exchange test with audible signal
- Easy-to-read LCD display can be set to display lb or kg
- 200 lb (90 kg) capacity
- Allows up to 5 trials for left and right hand
- Auto calculates average standard variation and coefficient of variation

12-0604   Jamar+® digital

Conduct Grip Strength Evaluations From Your Tablet!

JAMAR Smart Lite App (Free):

Patient: Show Name or ID, Gender, and Age
Standard Test - Patient squeezes the Jamar® Smart Hand Dynamometer with each or both hands sequentially

- Set number of reps from 1 to 5
- Set hand(s) to test and which hand to start with
- Set and record Grip Position
- Show statistics for test compared to Norm for that Gender and Age
- Easily accept or redo any trial

JAMAR Smart App (Paid):

More Tests – Rapid Exchange, 5 Position Grip, Sustained Grip

3 **JAMAR® 3-Piece Hand Evaluation Sets**

- 200 lb (90 kg) dynamometer, 50 lb (23 kg) pinch gauge (hydraulic or digital) and 6" finger goniometer
- Portable carrying case included

12-0602 (shown)	Jamar® hydraulic
12-0605	Jamar® digital

Chatillon®
precision weighing

DFE3 Digital Force Gauge

Origin: USA

▧ Features

- Ideal for functional capacity evaluations and job task analysis
- Measurement accuracy is better than 0.2% full scale in integral load cell models
- Large, easy-to-read, high resolution, full color LCD display
- Measured results with units
  i. Peak Tension and Compression
  ii. Load Average/Time
- Displays Pass-Fail Result, High and Low Load results
- Test results can be exported to a .csv format. Graphs and tes results can also be exported directly to PDF and Word formats

DFE3 - 100 - measuring up to 100 lbs
DFE3 - 200 - measuring up to 200 lbs
DEF3 - 500 - measuring up to 500 lbs

BASELINE® EVALUATION INSTRUMENTS

Strength Testing/ ROM/ Sensation

Origin: USA

1 ### Baseline® 6-Piece Plastic Goniometer Set

- Includes 1 each: 12″, 8″ and 6″ 360° goniometer
- 6″ pocket 180°
- 6″ rulongmeter 360° and flexion / hyper-extension gauge
- Scale reads in 1° increments; linear scale reads in cm and inches

12-1028	Standard set
12-1028HR	HiRes® set

2 ### Baseline® Acuangle® Inclinometer

|	
12-1149	AcuAngleR inclinometer (each)
12-1149-2	set of 2

- Place inclinometer near joint to be measured; turn dial to 0; take joint through its range; read ROM from dial
- Adjustable feet along scale (side-to-side) adapt to body contours and allow measurable and repeatable placement
- Pointer is dampened by fluid to assure accurate ROM measurements

3 ### Baseline® Hydraulic Hand Dynamometer

- CE cerified
- Five position handle and body contours assure results consistent with published Baseline® and Jamar® studies
- Reading in lb & kg
- Lightweight unit include one protective carrying case

12-0240	200lb Standard

4 ### Baseline® Discrim-A-Gon® 2-Point Discriminator
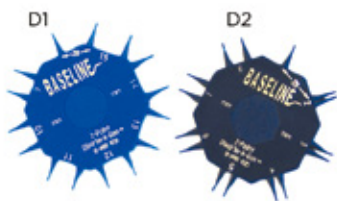
12-1492	Discrim-A-Gon® set (2 discs)
12-1492-25	25 sets

- Easy-to-use, lightweight plastic wheel is the perfect sensory evaluation tool to test static and dynamic 1 and 2-point discrimination
- 2 separate 2-point discrimination octagons (D1 and D2)
- Each octagon measures a different range of 8 labeled, fixed 2-point intervals ranging from 1 to 25 mm

5 ### Baseline® Bubble® Inclinometer

- Read range directly from dial
- Standard codified in AMA Guide to the Evaluation of Permanent Impairment, third edition

12-1056	Bubble® inclinometer (each)
12-1056-2	set of 2
12-1056-25	25 each

6 **Baseline® 8-Piece Evaluation Sets**

- 200lb (90kg) hydraulic hand dynamometer
- 50lb (23kg) hydraulic pinch gauge
- Finger goniometer (12-1010)
- Finger circumference gauge (12-1222)
- 180° 6" plastic goniometer (12-1005HR)
- Measuring tape (12-1210)
- Discrim-a-Gon® (12-1492)
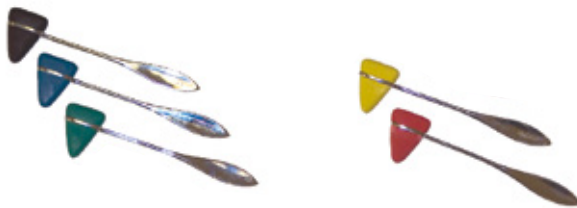- 5-pc tactile™ monofilament set (12-1662)

12-0128	standard (12-0240 / 12-0235)
12-0126	LiTE® (12-0241 / 12-0226)
12-0127	HD® (12-0221 / 12-0222)

7 **180° - 8" Goniometer**

- Two opposing scales marked in 1° increments
- Tension between the arms is controlled by the thumb knob
- Stainless steel

12-1040	8", 180°

8 **Baseline® Taylor Hammers**

- Elicit responses during examination

12-1574	Black			
12-1573	Blue	12-1570	Yellow
12-1572	Green	12-1571	Red

9 **Baseline® Tactile™ Semmes-Weinstein™ Type Monofilaments**

- Measure cutaneous sensory perception threshold
- Each monofilament represents a unique amount of force
- Fitted case protects monofilament

12-1660	Normal	2 piece: 2.83, 3.61 gm
12-1668	Protective	2 piece: 4.56, 5.07 gm
12-1662	Hand, set of 5	2.83, 3.61, 4.31, 4.56, 6.65 gm
12-1664	Foot, set of 6	2.83, 3.61, 4.31, 4.56, 5.07, 6.65 gm
12-1666	20-piece set complete	

10 **6-Piece Goniometer Set**

- 6 goniometers in a padded carrying case
- 6" 180° Robinson pocket
- 14" 180° stainless steel
- 14" 360° stainless steel
- 6" stainless steel finger
- 8" 180° x-ray
- 8" 180° stainless steel

12-1043	Goniometer set

MC-780MA
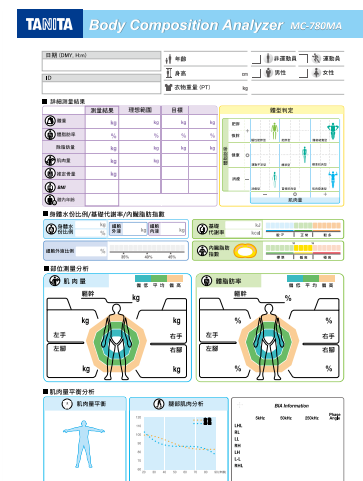## Multi-frequency Segmental Body Composition Analyser

Origin: Japan

- **3 frequencies (5kHz/ 50kHz/ 250kHz) allow intra and extra cellular water measurements**

- **In-built SD card facility allows data to be automatically collected and downloaded at convenience**

- **Measurements can be outputted to any Pictrbridge printer for a detailed assessment sheet**

- **Lightweight, easy to disassemble and transport**

Total Body Measurements

- Weight
- Body Fat %
- Fat Mass
- Muscle Mass
- Total Body Water %
- Intra Cellular Water Kg
- BMR
- Metabolic Age

- BMI
- Visceral Fat Indicator
- Fat Free Mass
- Total Body Water Kg
- Extra Cellular Water Kg
- ECW/TBW Ratio
- BMR Indicator
- Physique Rating

Specifications

Max Capacity:	270kg
Graduation:	0.1kg
Production Dimensions:	360 x 360 x 1165mm
Product Weight:	15.5kg
Color Options:	Dark Grey, White

TANITA

MC-980MA PLUS
Segmental Multi-frequency Body Composition Analyser

Origin: Japan

- Top TANITA BIA model
- Touch screen computer and capable to connect all kinds of printers
- Full scan can be done in 30s
- Quick measurement in 30s to complete full segmental body composition analysis
- Clinically accurate TANITA Multi-Frequency BIA Technology
- Incorporating new Sarcopenia Assessment feature allows identification, prevention and monitoring of muscle status
- Microsoft Windows 8 OS system in Chinese, English, Korean, Thai, Vietnamese and other languages, allowing user-friendly operation
- Color touch screen to operate
- In-built database management system, flexible for research projects, client data management, client health program monitoring

All-In-One   User-Friendly

Total Body Measurements

- Weight
- BMI
- Body Fat %
- Visceral Fat Rating
- Fat Mass
- Fat Free Mass
- Muscle Mass
- Protein
- Total Body Water kg
- Physique Rating
- Skeletal Muscle Mass Index
- Total Body Water %
- Extra-Cellular Water kg
- Intra-Cellular Water kg
- ECM/TBW Ratio
- Basal Metabolic Rate
- Basal Metabolic Rate Indicator
- Bone Mass
- Metabolic Age

Segmental Measurements

- Segmental Body Fat %
- Segmental Body Fat Mass
- Segmental Body Fat Rating
- Segmental Fat Free Mass
- Total Body Fat Distribution
- Segmental Muscle Mass
- Segmental Muscle Mass Rating
- Segment Muscle Mass Balance
- Leg Muscle Score
- Total Body Fat Distribution
- Segmental Reactance/Resistance
- Segmental Phase Angle

Specifications

Frequencies	1kHz, 5kHz, 50kHz, 250kHz, 500kHz, 1000kHz
Age Range	6 – 99 years
Weight Capacity	300 kg
Graduation	0.1kg
Product Dimensions	450 x 870 x 1240mm

Product Weight	33 kg
Power Source	230V
Interface	3 x USB
Color Options	Red, Dark Grey, White, or any color options on request

myoton®
MUSCLE DIAGNOSTICS

MyotonPRO
Digital Palpation Device

Origin: Estonia
Certificate: CE

The patented MyotonPRO technology brings evidence-based medicine to the field of muscle assessment by enabling the non-invasive, cost-effective, quick and easy measurement of superficial skeletal muscles and other soft biological tissues.

MyotonPRO can be used to measure objectively individual skeletal muscles, ligaments and tendons as well as different regions of any soft tissue. The device detects even small changes in the state and properties of tissues to a high degree of accuracy.

The value for trainers and physiotherapists is to use MyotonPRO measurements in the design of optimized training programs for athletes to maximize performance and minimize the risk of injury.

Measurable Parameters

Parameter	Characterizes	Parameter Type	Unit	Formula
Natural Oscillation Frequency	Tone or State of Tension	State Of Tension	[Hz]	$F = f_{max}$ from signal spectrum (FFT)
Dynamic Stiffness	Dynamic Stiffness	Bio-Mechanical Property	[N/m]	$S = a_1 \cdot m_{probe} / \Delta la_1$ = max deformation m_{probe} = probe mass
Oscillation Logarithmic Decrement	Elasticity	Bio-Mechanical Property	-	$D = \ln(a_1 / a_3)$
Recovery Time	Recovery Time	Visco-Elastic Property	[ms]	$R = t_R - t_1$
Ratio of Recovery and Deformation Time	Creep	Visco-Elastic Property	-	$C = R / (t_1 - t_T)$

TMG™
SCIENCE FOR BODY EVOLUTION

TMG Muscle Diagnostics
Scientifically Validated Functional & Selective Muscle Measurements

Origin: Slovenia
Certificate: CE, IEC 60601-1
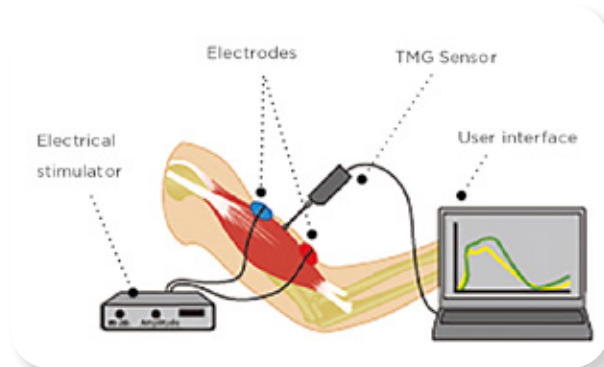
The seca mBCA 525 is the compact, mobile BIA solution that measures muscle mass, fat mass and body water.

The measurement is done via bioelectrical impedance analysis in the supine position. It is fast, economical, non-invasive, precise and medically validated.

Features

- For examining muscle strength and monitoring rehabilitation

- The measurement is non-invasive, fast and user-friendly

- Real time results as time/displacement curves

- Provides relevant information about muscle contractile properties

- Gives insights into: muscle composition, muscle functional characteristics, local muscle fatigue, atrophy, muscle inhibition, spasticity, tonus, and more

Applications

- Functional Muscle Strain Diagnostics
- Rehabilitation Check-Up
- Rehabilitation Monitoring
- Neuromuscular Risk Factors Assessment

Research – Support For Visible Scientific Publications

- Tensiomyography (TMG) can support your research and help you publish papers with a large visibility

- Tensiomyography is being used by some of the most prestigious research institutions in the world, helping them detect acute or chronic changes in the muscle's ability to contract/relax. Novelty, relevancy and credibility of the information presented in a particular publication can significantly affect its impact. Tensiomyography has been used in more than 80 scientific papers

  - Acute muscle changes diagnostics
  - Chronic muscle changes diagnostics
  - Non – invasive determination of muscle fibre type composition
  - Local muscle fatigue

DEVELTER EKO
DRIVING SIMULATOR FOR REHABILITATION

The Rehab Evolution II *NEW*
Digital Palpation DeviceDriving Simulation Station for Rehabilitation & Assessment

Origin: France
Certificate: CE

The Rehab Evolution II is a driving simulator model ideal for assessing driving abilities and helping patients return to driving. It integrates all the equipment and accessories for reeducation and rehabilitation.

With its cutting-edge technology and realism, the Develter Eko simulator is aimed at people with reduced mobility with a swivel seat to facilitate patient accessibility or wheelchair adaptation.
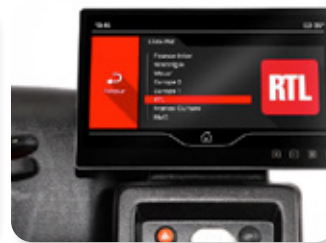
Features

- A comprehensive toolbox to simulate all traffic and weather conditions
- Printable tests and assessments
- A complete review of driver eye tracking (optional)
- Measurement of hypovigilance and eye blinking (optional)
- Steering wheel with controls + cruise control
- Seat with swivel base
- PIMAA flying circle
- Reversible push/ pull control
- Multifunction ball holders

Accessories (Optional)

- Eye Tracking Sensor
- Station that splits into 2, wheelchair-compatible
- Tablet Distrator

⊙ Software Features

- Experiencing accident situations
- Learn to avoid accidents
- Effective educational progression

Detailed Analysis

- Braking distance
- Pedal effort measurement
- Reaction time measurement
- Reaction time analysis

Comprehensive Review

- Observing the road
- Checking mirros
- Dashboard control
- Distraction
- Steering wheel vigilance

⊜ Specifications

Dimensions	165 cm (L) × 90 cm (W)
Weight	150 kg
Visual & Sensory Immersion	180° panoramic display with 3× 4K professional-grade screens (43" or 55")