

## Saffire NEW

Computerized Isokinetic Exercise & Functional Training System

Origin: USA



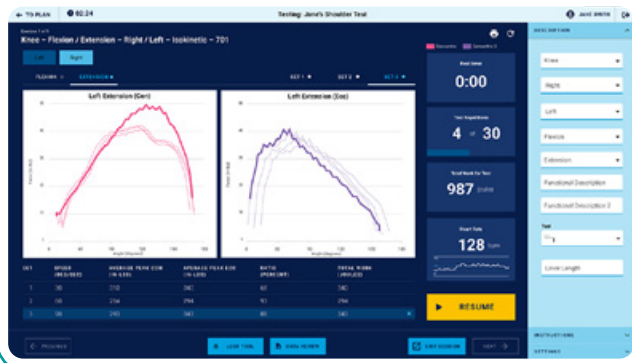
Saffire is a highly versatile and functional smart physical therapy system designed for multi-joint testing, orthopaedic rehabilitation, neuromuscular re-education, and advanced musculoskeletal athletic training for the upper extremities, lower extremities, and core. It supports evaluation, rehabilitation, and progress tracking through isotonic, isometric, isokinetic, and CPM resistance modes.

With a redesigned software experience, expanded force and resistance range, new Neuro Mode, and objective data-driven reporting, Saffire enables precise, functional, and efficient treatment across a wide range of clinical applications.

### Features

- Completely redesigned software experience
- Streamlined quick-access testing and treatment
- Higher maximum force and speed capacity for athletes
- Flexible data output
- New Neuro Mode
- More precise low forces for hand therapy
- Enhanced Passive Assist Mode
- New tools / attachments
- Enhanced tool / attachment design
- Two touchscreen monitors
- Smaller footprint
- Portable tool cart

### New Software



### Reports



- One-touch operations with instant access to testing and exercise
- Robust visual feedbacks and graphs
- Library of clinicians - designed tasks and template for consistency

## Strength & ROM Measurement

### 6 Training Capabilities:

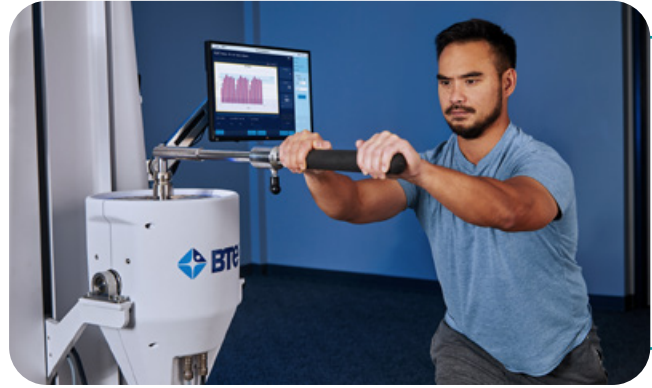
#### Sports Medicine

Saffire gives you powerful force and resistance capabilities to challenge even your most explosive athletes.



#### Industrial

New and improved attachments allow you to replicate more job-specific tasks with greater precision.



#### Hand Therapy

Hand and upper extremity therapy to isolate fine movements and simulate your patients' activities of daily living better.



#### General

Saffire brings clinic-wide versatility for all your patient populations.



#### Neurological

Saffire's all-new Neuro Mode expands your treatment capabilities without increasing footprint.



#### Geriatric

Saffire gives you unique new capabilities for rehabbing your geriatric patients.



## PrimusRS

Computerized Isokinetic Exercise & Functional Training System

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

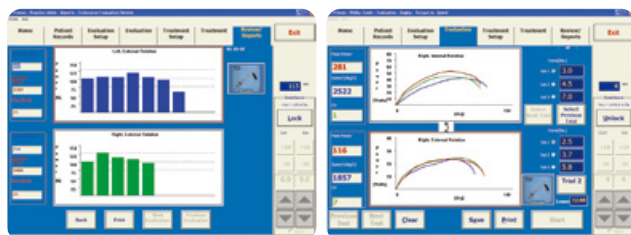
- PrimusRS is the premiere choice for multi-joint musculoskeletal, neurological, and upper and lower extremity evaluation and rehabilitation
- Work head rotates 360 deg for exercise at any angle
- Work head height adjusts from 19" to 84" to simulate any activity
- Measure speeds up to 4500 degrees per 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)

## Software

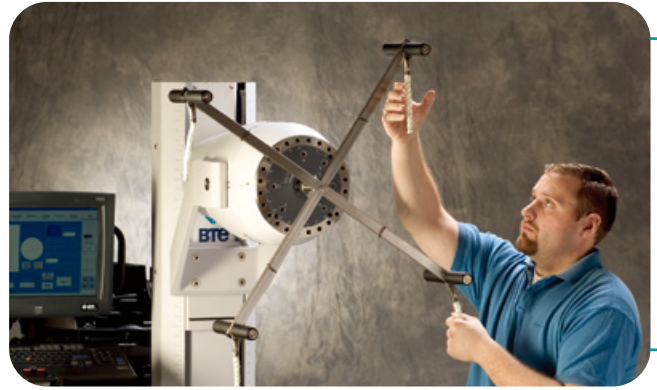


## Reports



## Strength & ROM Measurement

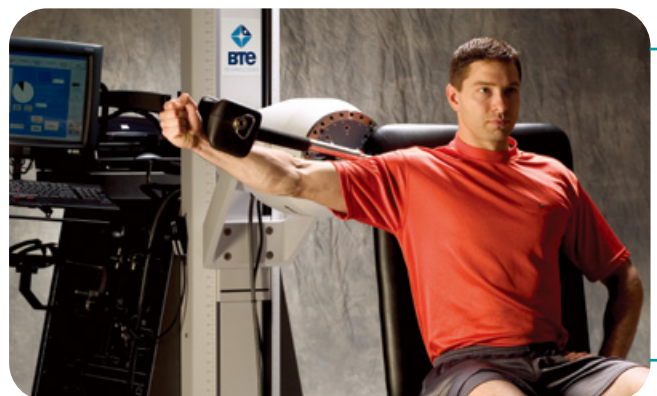
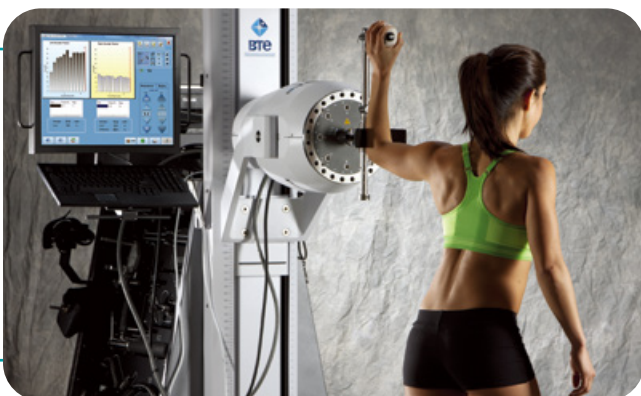
### Industrial Rehabilitation



### 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



## Strength & ROM Measurement

# 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

# Strength & ROM Measurement

## 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 impairment ratings
- Vocational capabilities evaluations
- Return-to-work assessments
- Specific job-task testing
- Baseline and progression evaluations
- Disability determination

### Broad Physical evaluation



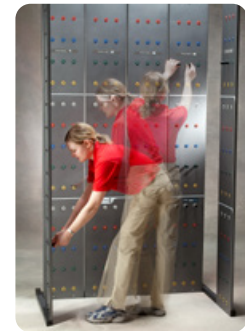
Carrying Capacity Test



Pushing Cargo Load Test



Pulling A Pallet Jack Test



Multi Level Axial Rotation

### Software



## 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.

# Strength & ROM Measurement

## 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.



### Features

- 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



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.

### 1 Hand Grip Package

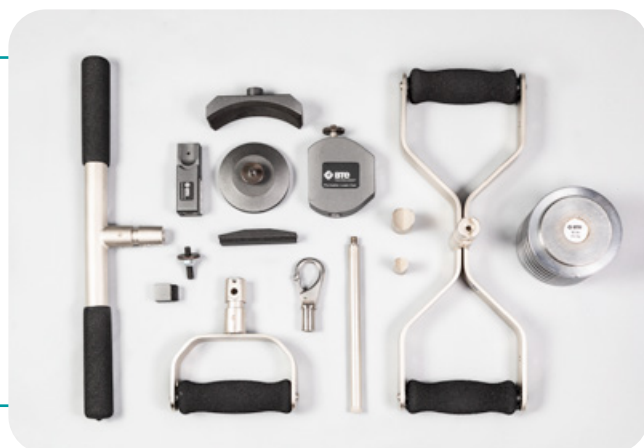
The core EVJ Hand Grip Package is built on BTE's revolutionary new hand grip strength measurement device. Unlike yesterday's error-prone analog hand grip devices, the BTE EVJ handgrip represents the latest innovation in precise strength data capture. With its rapid sampling rate and blistering fast data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

#### Package Includes

- BTE software
- Heart rate monitoring
- Hardware
- 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



## Strength & ROM Measurement

# 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-to-work 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.





# ActivForce 2

Digital Muscle Tester Dynamometer

Origin: USA

Certificate: IEC 60601-1

Activforce 2 is a patented digital strength and angle measurement platform that combines a handheld dynamometer and inclinometer in one portable, data-driven solution.

Designed to support objective assessment, treatment planning, and progress tracking, it helps clinicians measure force and range of motion accurately while generating clear, actionable reports.



## Features

### Measures

- Active & passive range of motion (AROM & PROM)
- Peak force
- Average force
- Force over time
- Force/weight ratio
- Muscle symmetry
- Neuromuscular deficits

### Tracks

- Results in real time
- ROM progress
- Strength progress
- Data from test session reports delivered to your inbox
- Neuromuscular control with bio-feedback



## Specifications

<b>Dimension (L x W x H):</b>	9.5cm x 7.8cm x 3.3cm
<b>Weight:</b>	131g
<b>Connectivity:</b>	Bluetooth 4.1
<b>Frequency:</b>	2402 - 2480MHz
<b>Force Range:</b>	90kg
<b>Force Accuracy:</b>	Within $\pm 0.6\text{kg}$ (+5% of the applied force)
<b>Max Load:</b>	110g



Strength & ROM Measurement

# DFE3 Digital Force Gauge

Origin: USA



DFE3 - 100 - Measuring up to 100 lbs

DFE3 - 200 - Measuring up to 200 lbs

DFE3 - 500 - Measuring up to 500 lbs

## 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 test results can also be exported directly to PDF and Word formats

Strength & ROM Measurement

# Baseline Hand Dynamometer

Grip Strength Evaluator

Origin: USA



12-0247 Hydraulic hand dynamometer, ER™ 300 lb capacity w/ digital LCD gauge

## Features

- Extended range 300 lb (136 kg) capacity
- Electronic zero calibration system
- Toggle maximum and current reading
- Toggle lb / kg
- 5-position adjustable grip handle
- Easy-to-read 2" LCD gauge
- Carry case and 9V battery included
- Lightweight unit weighs 1.4 lbs
- Blue hammertone finish

## Specifications

**Dimension (L x W x H):** 25.4cm x 6.35cm x 12.7cm

**Weight:** 4 lbs

# Strength Testing / ROM / Sensation

Origin: USA

## 1 Baseline<sup>®</sup> Hydraulic Hand Dynamometer

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



12-0240

200lb Standard



## 2 Baseline<sup>®</sup> 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<sup>®</sup> set

## 3 Baseline<sup>®</sup> Acuangle<sup>®</sup> Inclinometer

- 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

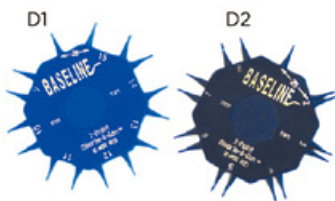


12-1149

AcuAngleR inclinometer (each)

12-1149-2

Set of 2



## 4 Baseline<sup>®</sup> Discrim-A-Gon<sup>®</sup> 2-Point Discriminator

- 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

12-1492

Discrim-A-Gon<sup>®</sup> set (2 discs)

12-1492-25

25 sets

## 5 Baseline<sup>®</sup> Bubble<sup>®</sup> Inclinometer Discriminator

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



12-1056

Bubble<sup>®</sup> inclinometer (each)

12-1056-2

set of 2

12-1056-25

25 each

## Strength & ROM Measurement



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

### 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)

### 7 180° - 8" Goniometer

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



12-1040 8", 180°



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

### 8 Baseline® Taylor Hammers

- Elicit responses during examination

### 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	



12-1043 Goniometer set

### 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

### MC-780MA

Multi-Frequency Segmental Body Composition Analyser

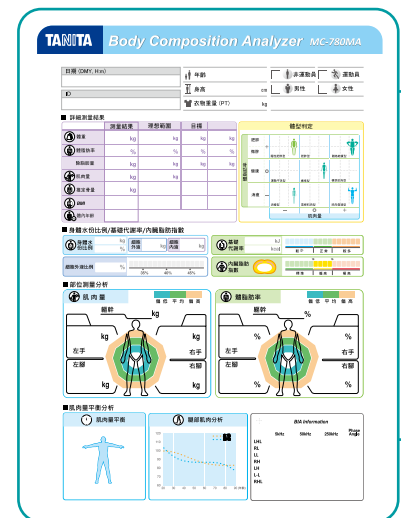
Origin: Japan  
Certificate: CE

- 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 Pictbridge 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
Platform Size:	36cm x 36cm x 9.4cm
Product Height:	116.5cm
Product Weight:	15.5kg
Color Options:	Dark Grey, White

## Body Composition Analysis

### MC-980MA PLUS

Segmental Multi-Frequency Body Composition Analyser

Origin: Japan  
Certificate: CE



- 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

<b>Frequencies</b>	1kHz, 5kHz, 50kHz, 250kHz, 500kHz, 1000kHz	<b>Product Weight</b>	33kg
<b>Age Range</b>	6 – 99 years	<b>Power Source</b>	230V
<b>Weight Capacity</b>	300kg	<b>Interface</b>	3 x USB
<b>Graduation</b>	0.1kg	<b>Color Options</b>	Red, Dark Grey, White, or any color options on request
<b>Product Dimensions</b>	45cm x 87cm x 124cm		

## 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]	$F = f_{\text{max}}$ from signal spectrum (FFT)
Dynamic Stiffness	Dynamic Stiffness	Bio-Mechanical Property	[N/m]	$S = a_1 \cdot m_{\text{probe}} / \Delta l_{a1} = \text{max deformation}_{\text{probe}} = \text{probe mass}$
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	-	$C = R / (t_1 - t_T)$

# The Rehab Evolution II

Digital Palpation Device Driving Simulation Station For Rehabilitation & Assessment

Origin: France  
Certificate: CE

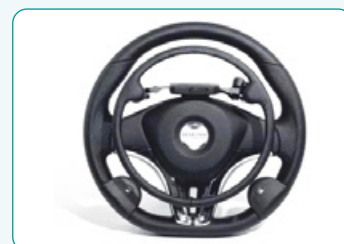


The Rehab Evolution II is a driving simulator model ideal for assessing driving abilities and helping patients return to driving. It integrates all the equipment and accessories for reeducation and rehabilitation.

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.

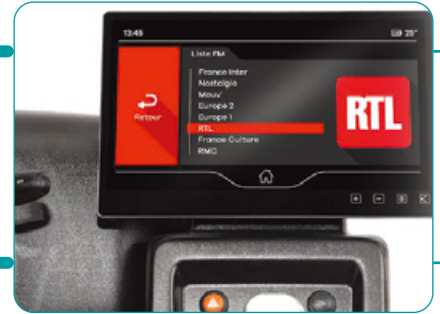
## Features

- 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 Distractor



## Software

- 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 mirrors
- Dashboard control
- Distraction
- Steering wheel vigilance

## Specifications

<b>Dimensions</b>	165cm (L) x 90cm (W)
<b>Weight</b>	150kg
<b>Visual &amp; Sensory Immersion</b>	180° panoramic display with 3 x 4K professional-grade screens (43" or 55")