



Electro-medical equipment

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**ISO 9001
ISO 13485**



Electro-medical equipment

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Introduction to the Chinesport Series

Our program for electro-medical equipment is made up of three Series which cover a wide range of therapy treatments. These Series are different among themselves by their functionality, performances and fields of application. The following models are listed and grouped for each series with a set of symbols representing their main features.



FIELDS OF APPLICATION	MODEL CODE
Shockwave therapy	EL12088
High-power Laser therapy	EL12086, EL12087
Iontophoresis and Electro-stimulation	EL12084
Ultrasound therapy	EL12085
Traction therapy	09337



FIELDS OF APPLICATION	MODEL CODE
Iontophoresis and Electro-stimulation	EL12053, EL12054
Ultrasound therapy	EL12056, EL12057
Combined Therapy	EL12059
Laser Therapy	EL12061, EL12062
Scan Laser Therapy	EL12081, EL12079, EL12080
Magneto Therapy	EL12064, EL12065
Radar Therapy	EL12060
Pressotherapy	EL12066



FIELDS OF APPLICATION	MODEL CODE
Iontophoresis and Electro-stimulation	EL12050
Ultrasound Therapy	EL12055
Combined Therapy	EL12058





USER INTERFACE

Excellent line: A colour 6" touch screen and a user interface with windows and icons PC style. Commands can be given by simply tapping with the fingertips or by using the pen included.



Plus line: A 6" wide liquid crystal display and a resolution of 320 x 240 dpi in black and white which ensures a clear view of all the main parameters. An easy to handle and practical rotating transducer enables by means of pressure (handset) to control the device and give commands in an easy, simple and intuitive way.



Basic line: this product line has got a black and white screen with 240 x 64 dpi resolution, which ensures a clear view of all the main parameters. An important feature during everyday use of the electro-medical device is its easy use. This is the main feature which distinguishes the concept project of this line. The carer is aided by a high ergonomic standard while carrying out the therapy due to the use of a simple membrane keyboard and thanks to the simple functions set at software level.



MULTILINGUAL SOFTWARE

All the devices can be set to operate in different languages: English, Italian, German, French, Spanish. It's also possible to update the software with other languages.



PRE-PROGRAMMED PROTOCOLS

Some work protocols are already memorized and ready to use. You can save time by simply choosing a diagnosis from the list of alphabetically organised protocols and selecting a programme to initiate the treatment.



INTERNAL MEMORY

It is possible to store new work procedures in the internal memory. The number of these procedures changes according to the field of application (see technical features).



PATIENT DATA BASE

You can also add patient names and connect patient data with pre-programmed or your own protocols. Consequently in the following therapy sessions you can recall the patient name and apply the pre-defined therapy.



SMART CARD TECHNOLOGY

Due to the integrated memory-card reader and one card included, it is possible to have an external memory which allows to:

- Memorize new work procedures in the card and eventually share them on different other devices of the same model.
- Create personalized cards for different clients in which the corresponding treatment can be memorized.
- Save the integrity of some work procedures of particular interest (back-up).



KNEE TREATMENT - RESISTIVE MODE

TCARE™ Cellular regenerator

The electro-medical equipment program is completed with the TCARE™ for Tecar therapy, which is the top-level device of this series and that is presented separately with another brochure. This equipment allows a quick cell regeneration by resistive-capacitive energy transfer along with the combination of an original way of transdermal transference applied directly on the part to be treated. The transference of the active agent is done by means of some special handpieces called ROLL-ON. Ask for further material to get to know more about this equipment.

THERAPEUTIC INDICATIONS:

- Muscular injuries
- Joint capsulitis
- Distortions
- Neck pain
- Bone and ligament trauma
- Tendon injuries and bursitis
- Lumbalgia and ischialgia
- Myositis
- Arthrosis processes
- Rehabilitation programmes



FIELDS OF APPLICATION

Tecar Therapy

MODEL CODE

EL12002

Resistive-Capacitive Energy Transmission and an Integrated Transdermal Transport

EL12002 TCARE

This new device, unlike the Tecar and Endotherapy electro-medical devices, allows the physiotherapist to use two treatment methods simultaneously, combining a resistive/capacitive energy transfer and the diffusion of the active agent (where prescribed by a physician), with a (patented) hand piece called ROLL-ON. This electro medical device has a storage surface at the top for a wide range of applied parts (see coded list). Moreover the device features:

- Less than 50% of electromagnetic leakage in the work environment, resulting in a benefit for both the patient and the medical operator;
- Reduction of dielectric arcs when removing the Roll-On hand piece;
- Continuous therapist monitoring of the energy absorbed by the patient, and possibility of regulating the frequency according to the absorption, also optimising diffusion of the active agents;
- The possibility of dealing incisively, completely, and multi-dimensionally with various musculoskeletal affections at an acute stage (characterised by extensive pain, low tolerance to contact, manipulation and traditional therapeutical methods in general), due to combining the transfer of energy with transdermal delivery of any active agent;



Even though the video shows a previous model of Chinesport's TCARE Cellular Regenerator, an overview is provided of the accessories supplied as standard or available separately. For the EL12002 model, the handpieces supplied with the equipment, for both capacitive and resistive mode, are original patented Roll-On handpieces. Pen-shaped handpieces can be supplied when requested specifically.

TECHNICAL DATA

ARTICLE CODE	EL12002 TCARE
Working frequency	0,8MHz, 1 MHz, 1,2MHz
Output passive plate	1
Manual output capacitive electrode	1
Manual output direct coupling electrode	1
Manual mode	400Ω
V rms (aprox.)	320
Watt rms (aprox.)	150
Input voltage	115÷230VAC ± 10% 50/60Hz
Maximum input power	200 W
Ambient working temperature	+10 ÷ +30 °C
Maximum temperature storage and transport	+10 ÷ +70 °C
Maximum humidity storage and transport	25 ÷ 85%
Passive plate area	aprox. 220 cm ²
Roll-On capacitive electrodes	Ø 40 mm - Ø 56 mm - Ø 80 mm.
Direct coupling electrodes	Ø 40 mm - Ø 56 mm - Ø 80 mm
Active medical devices	CLASS II B
Weight	40 kg
Dimensions	60 x 80 x 115 cm

SUPPLIED ACCESSORIES:

- EL0147 MINI CAPACITIVE ROLL-ON 40 mm
- EL0163 MINI RESISTIVE ROLL-ON 40 mm
- EL0113 CAPACITIVE ROLL-ON 80 mm
- EL0129 RESISTIVE ROLL-ON 80 mm
- EL0122 PASSIVE PLATE
- EL0164 MEDIO CAPACITIVE ROLL-ON 56 mm
- EL0165 MEDIO RESISTIVE ROLL-ON 56 mm
- AC0665 ELASTIC BAND cm 60
- AC0667 ELASTIC BAND cm 100
- EL0148 DISPENSER WITH CAP
- EL0128 BALL CAP
- EL0149 MINI DISPENSER
- EL0125 CONDUCTIVE CREAM 1KG
- EL0124 ROLL-ON CONDUCTIVE CREAM 500 ML

OPTIONAL ACCESSORIES:

- EL0114 CAPACITIVE HANDPIECE
- EL0116 6.5 CM CAPACITIVE ELECTRODE
- EL0117 5.3 CM CAPACITIVE ELECTRODE
- EL0118 3.3 CM CAPACITIVE ELECTRODE
- EL0115 RESISTIVE HANDPIECE
- EL0119 6.5 CM RESISTIVE ELECTRODE
- EL0120 5.3 CM RESISTIVE ELECTRODE
- EL0121 3.3 CM RESISTIVE ELECTRODE
- EL0176 ROLL-ON CREAM SET 6 PCS

ACCESSORIES SUPPLIED

These are shown to provide for any subsequent requests for spare parts.



EL0147
MINI CAPACITIVE ROLL-ON 40 MM



EL0163
MINI RESISTIVE ROLL-ON 40 mm



EL0113
CAPACITIVE ROLL-ON 80 mm



EL0129
RESISTIVE ROLL-ON 80 mm



EL0122
PASSIVE PLATE



EL0164
MEDIO CAPACITIVE ROLL-ON 56 mm



EL0165
MEDIO RESISTIVE ROLL-ON 56 mm



AC0665
ELASTIC BAND cm 60



AC0667
ELASTIC BAND cm 100



EL0148
DISPENSER WITH CAP
Pack of 12 pieces each



EL0128
BALL CAP
Disposable, 100 pieces pack



EL0149
MINI DISPENSER
100 pieces packs. Ball cap included

OPTIONAL ACCESSORIES



EL0114 CAPACITIVE HANDPIECE



EL0115 RESISTIVE HANDPIECE

EL0116 6.5 CM CAPACITIVE ELECTRODE

EL0119 6.5 CM RESISTIVE ELECTRODE

EL0117 5.3 CM CAPACITIVE ELECTRODE

EL0120 5.3 CM RESISTIVE ELECTRODE

EL0118 3.3 CM CAPACITIVE ELECTRODE

EL0121 3.3 CM RESISTIVE ELECTRODE



Roll-On conductive cream used for TCARE treatment

The cream is absolutely necessary for transdermal delivery during the TCARE treatment. It has a high conductive power and improves performance in the optimal capacitive and resistive treatment phase.

EL0124
ROLL-ON
CONDUCTIVE CREAM
Liquid cream.
A set of 2 packs.

EL0176
ROLL-ON CREAM SET
A set of 6 packs.



EL0125
LUBRICATION CREAM
This dense cream can be used on both pen-shaped electrodes (now available as additional accessories only) and the passive return plate. 1 kg tub.



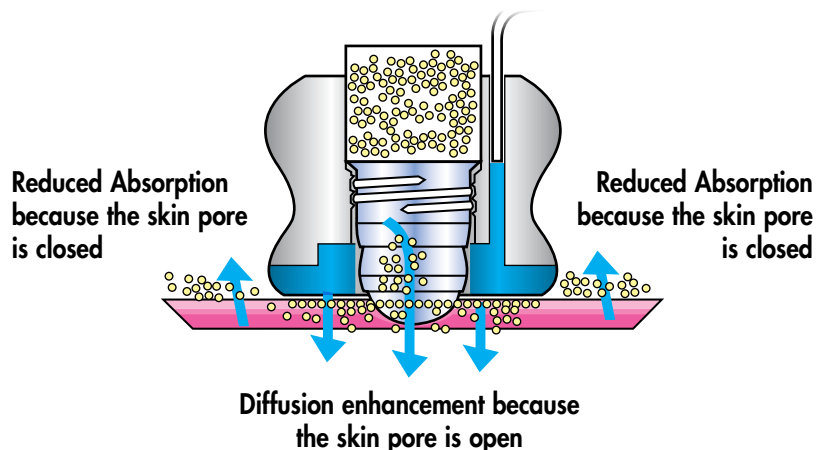
Therapeutic indications

- Muscular injuries
- Joint capsulitis
- Distortions
- Neck pain
- Bone and ligament trauma
- Tendon injuries and bursitis
- Lumbalgia and ischialgia
- Myositis
- Arthrosis processes
- Rehabilitation programmes



THE PATENTED ROLL-ON HANDPIECE

The special patented handpiece, known as the ROLL-ON, means that the TCARE Cellular Regenerator device guarantees the best geometric application for achieving capacitive-resistive energy transfers. The particular shape of the handpiece provides an extensive contact area between the electrode and the patient's skin, while the ROLL-ON's functionality ensures that, unlike traditional handpieces, the correct quantity of cream is released at the contact interface on a real-time basis. This is sufficient to guarantee the development of the electro-chemical gradient, without allowing any dielectric arc to be formed. It also makes it possible to avoid wasteful dispersion of conductive cream, which provides significant savings in the operating costs sustained by professionals that use the device.



GASTROCNEMIUS TREATMENT - CAPACITIVE MODE:

The operator transfers energy and medicines into the patient's gastrocnemius muscle. The effect will be hypervascularization of tissue, and consequently its filling with oxygen, nourishing factors, enzymes on the arterial side, and drainage of catabolites on the venous side.

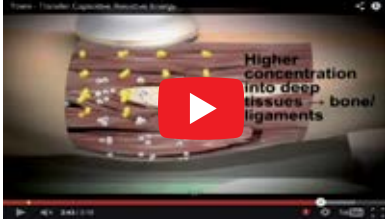


A normal complete sequence of operations is shown, for using the Roll-On handpiece combined with transdermal delivery of an active ingredient prescribed by a doctor. The dosage of Chinesport's conductive cream and the additional medicine is also specifically indicated.



1. CAPACITIVE MODE

The warming sensation generated inside the body depends on various factors, and can be perceived by the patient at intensities that range from warmth to intense internal heat. When using capacitive electrodes, the diameter of the electrode and speed of movement must be considered in particular. For the same amount of power applied, larger diameter electrodes increase the temperature more gradually and, in addition, the faster the electrode is moved, the less the heat sensation felt by the patient. It is good practice to choose the electrode with the largest area possible in relation to the area to be treated. The electrode can be applied, both staying still in the area treated and using circular or linear movements, depending on the area treated and power you wish to apply. It is very important that most of, if not all of, the electrode's area be in contact with the patient's skin, following any curves and irregularities in the area treated, and continuously adapting to it. The electrode holder handgrip is specifically designed to minimise effort on the part of the operator and to make the treatment more pleasant for the patient (deep massage action, as if the electrode were an "extension of the operator's hands").



Higher concentration into deep tissues → bone/ligaments

RESISTIVE - CAPACITIVE MODE: The video shows a simulation of the effects of the resistive or capacitive mode, combined with one of the three different working frequencies for the TCARE Cellular Regenerator.

2. MANUAL MODE WITH DIRECT - RESISTIVE COUPLING

Direct coupling means using the TCARE Cellular Regenerator with uninsulated metal electrodes (no dielectric device interposed). The action mechanism, caused by polarity reversal of the current, produces a quicker and more intense increase in heat in tissue deprived of water and electrolytes (bone tissue and adipose tissue especially). This application method is therefore more indicated, perhaps along with the capacitive mode, for pathologies involving these parts of the body. Since the active electrode is not insulated, the current that moves the charges and the temperature generated in the body are less concentrated in the area immediately below the active electrode, producing a directional aspect guided by the passive electrode (return plate). In other words, one substantial difference from the capacitive mode lies in taking great care when positioning the return electrode, which directs impulses generated by the active electrode. Another difference is that the active electrode remains in a set position or slight rotational movements are made with a diameter slightly larger than that of the electrode used, and continually adjusting the power applied so that the temperature perceived by the patient is pleasant.

KNEE TREATMENT - RESISTIVE MODE:
The operator gets the patient to move their knee into flexion/extension to concentrate Tcare action in the inflamed zone and gain a wider range of motion (e.g. knee collateral ligament)



ELBOW TREATMENT - RESISTIVE MODE:
The operator gets the patient to move their shoulder into abduction to concentrate Tcare action in the affected area and gain a wider range of motion (e.g. capsulitis of shoulder)



ANKLE TREATMENT - RESISTIVE MODE:
The operator gets the patient to move their ankle into plantar flexion to increase tissue resistance and so concentrate the highest amount of energy precisely into the damaged zone (e.g. Achilles tendonitis or plantar fasciitis). Treatment is very comfortable for the patient.



Shockwave therapy

How does shockwave work?

Shock waves are sound waves that convey high energy, transmitted through the surface of the skin and diffused in the body radially, over the painful area. This is a ballistic radial shock wave, since the shock wave is generated using a special hand unit shaped like a pistol, the barrel of which is closed at the end by a metal cap, against which a steel projectile is launched using compressed air (up to a pressure of 5 bar). This generates shockwaves that spreads out radially in the skin and first tissue layer below the skin, or in a focussed manner (depending on the transmitter used). The body responds by increasing metabolic activity in the application area, facilitating the reduction of inflammation caused by a painkilling action brought about by local releasing of endorphine, thereby stimulating and speeding up the healing process. The extent of penetration depth varies from 4 to 7 cm.

Therapeutic indications

The shockwave method is the preferred treatment for chronic insertion tendonopathy, characterized by poor vascularization of the bone-tendon joint, where physiotherapy treatment (infiltration and laser therapy) has proved ineffective.

These are the main pathologies treated with shockwaves:

- Elbow – epicondylitis, epitrochleitis.
- Shoulder - insertional tendinopathies, impingement.
- Knee – patellar and “goose’s foot” tendinopathies.
- Pubis – adductor tendinopathies (pubalgy).
- Ankle – achilles tendinopathy, calcaneal apophysis.

Applications fields

- Orthopaedics;
- Rehabilitation;
- Sport medicine.



EL12088 SHOCKWAVE

Trolley-mounted equipment that provides high energy transportation of sound wave energy transmitted through the skin's surface and diffused radially in the body in the painful area. Power up to 5 bar, adjustable frequency 1-20 Hz.

EL0177 SHOCKWAVE COMPACT

Compact equipment for table use that provides high energy transportation of sound wave energy transmitted through the skin's surface and diffused radially in the body in the painful area. Power up to 1 - 4 bar, adjustable frequency 1-15 Hz.



EXCELLENT

2

CE 0476

TECHNICAL FEATURES

Mains power supply:		230 Vac, 50-60Hz, ±10%
		115 Vac, 50-60Hz, ±10% (on request)
Maximum mains power absorption:		155 VA
LCD display:		320 x 240 pixel touch screen
Dispensing heads		3
Shock emission modes:		Single, Continuous, Burst
Burst emission typology:		(1-100) emissions for each burst (10 – 2000) msec between each burst
Pressure intensities allowed:	EL12088	(1.5 - 5) bar - 0.1 bar steps
	EL0177	(1.5 - 4) bar - 0.1 bar steps
Shock emission frequency:	EL12088	(1 – 20) Hz - 1 Hz steps
	EL0177	(1 – 15) Hz - 1 Hz steps
N° of emissions:		(0 - 10000)
Classification 93/42/CEE:		II B
Insulation class EN 60601-1:		I / BF
Protection degree from liquids EN 60601-1:		IPX0
Output channels:		1
Stored protocols:		31
Storable protocols on the user memory:		250
Storable protocols on the smart-card:		250
Dimensions:	EL12088	39 x 112 x 43 cm
	EL0177	39 x 13 x 32 cm
Weight:	EL12088	31 Kg
	EL0177	8 Kg

Standard Accessories

	EL0177	EL12088
Power cable	1	1
Fuses	2	2
Manual of therapies	1	1
Applicator probe with actuator	1	1
Transmitter type 3 – 15mm focused	1	1
Transmitter type 2 – 9mm Multifocused	1	1
Transmitter type 1 – 15 mm Multifocused	1	1
Bottle of gel 260ml	1	1
Pen for touch-screen display	1	1
Smart-Card	1	1
Suitcase for probe + shaped polystyrene	1	1
Key knob for tightening the nut	1	1
Actuator removal tube key	1	1
Actuator removal handle key	1	1
Shockwave actuator	1	2

Optional Accessories

EL0001 PERSONAL SMART CARD
EL0016 CARRY CASE (EL0177 only)

High Intensity Laser therapy

Indications and applications fields

The applications fields that can profit from using the High power laser therapy are the following:

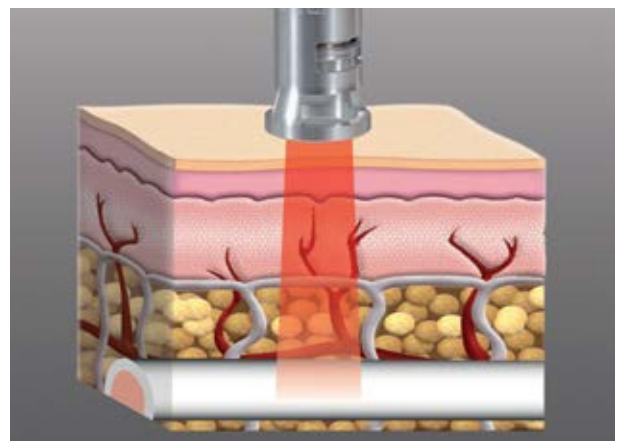
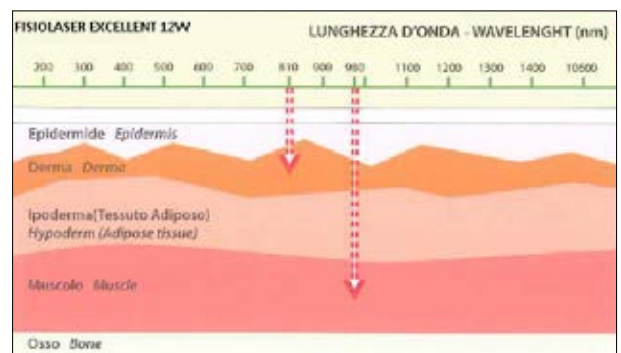
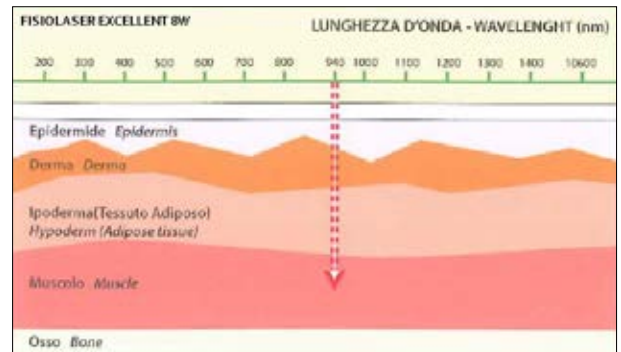
- **Sports traumatology:** Extensions and muscular strains, Articular distorsions, Epicondylitis, Tendinitis and enthesitis, Contusions, Hematomas bruises, Bursitis
- **General medicine and dermatology:** Decubitus ulcers, cheloids, torpid sores for its well known bio.stimulating and anti-infectious effects.
- **Arthro-rheumatic pathology:** Arthrosis, Sciatica, Scapular and humeral periarthrits, Arthropathy of hands and feet, Epicondylitis, Hip arthrosis at its initial stage, gonalgia with or without effusion, Myogenic stiff neck, Lumbago, Myositis, etc.
- **Rehabilitative therapy:** Articular motor rehabilitation after removing plaster apparatuses or after orthopaedic surgical operations.



The advantages of high power laser therapy

The applications of the FISIOLASER EXCELLENT 8W and 12W produce a number of effects on the treated tissues: Increase in hematic flow: vasodilatation of capillaries and arteries; Biostimulation: tissue regeneration, stimulation of the protein synthesis, stimulation of the production of ATP, stimulation of the fibroblast mitosis, increase in collagen and elastin; Anti-inflammatory effect; Anti-edematous effect, with stimulation of the lymphatic system; Analgesic effect: increase in the perception threshold of nerve endings.

Wave lengths between 810nm and 980nm are absorbed differently by the underskin layers of the human body and these are the ones that general clinical experience gives the best results in the therapeutical field, when treating pain and inflammatory pathologies of the muscles, tendons and bones. Thanks to the high power produced in both versions proposed, clear results can be obtained after few sessions by stimulating deep layers of the tissue favouring a quick and spread regeneration of the cells. It is possible to achieve a stimulus of the deep layers of tissue, and this allows the treatment of the tissue and innermost structures (as for example the femur articulation) and other chronic pathologies as arthritis. This type of treatment with high power is very recommendable as it is often a solution when dealing with serious swellings, chronic and degenerative as for example knee arthritis.



EXCELLENT

2

EL12086 FISIOLASER EXCELLENT 8W

High power laser working with a single wave length of 940nm. With its peak power is possible to supply up to 8W making sure a therapeutic action as an impressive regenerative stimulation in chronic pathologies, in the acceleration of the inflammation resolution and of the edema in acute pathologies as well as the rapid resolution of painful articular, muscular, neurogenal and soft tissue syndromes.



EL12087 FISIOLASER EXCELLENT 12W

High power (12W) fibre optic laser therapy equipment. It's a laser system with two length (810nm + 980nm), providing max power output of 12W, in continuous and pulsed modes. 808nm wave length has a great penetration in tissues, and allows the best bio-stimulation effect. 980nm wave length with its good level of water absorption, produce a good local antalgic effect.



TECHNICAL FEATURES

Power supply:		230 Vac, 50-60Hz, ±10%
		115 Vac, 50-60Hz, ±10% (on request)
Maximum power absorbed by the net:	FisioLaser 8W	70 VA
	FisioLaser 12W	75 VA
Interlock key:		3-pole contacts
Max power:	FisioLaser 8W	8W ± 20%
	FisioLaser 12W	12W ± 20%
LCD back-lit display:		320 x 240 pixel TOUCH SCREEN
Wavelength:	FisioLaser 8W	940 nm
	FisioLaser 12W	808 nm / 980 nm
Laser classification:		IV
Selectable percentage of emitted power:		10% - 100%
Emission frequency:		100 Hz – 10000 Hz
Pulsed mode:		10% - 100%
Classification 93/42/CEE:		IIB
Output channels		1
Class of isolation EN 60601-1:		I / BF
Protection level from the entrance of liquids EN 60601-1:		IPX0
Programmable treatment:		1-99 min
Stored protocols:		32
Storable protocols in user memory		200
Storable protocols in smart card		200
Dimensions:		39x13x32 cm
Weight:		4,65 Kg

Standard Accessories

	Q.TY
Power cable	1
Fuses	2
Manual of therapies	1
Laser goggles	2
Interlock key	1
Distributor pedal	1
Pen for touch-screen display	1
Laser probe	1
Smart Card	1

Optional Accessories

- EL0001 PERSONAL SMART CARD
- EL0016 CARRY CASE
- EL12003 TROLLEY
- 02098 LASER PROTECTIVE GOGGLES



02098 LASER PROTECTIVE GOGGLES
Lens color green, VLT 45%.

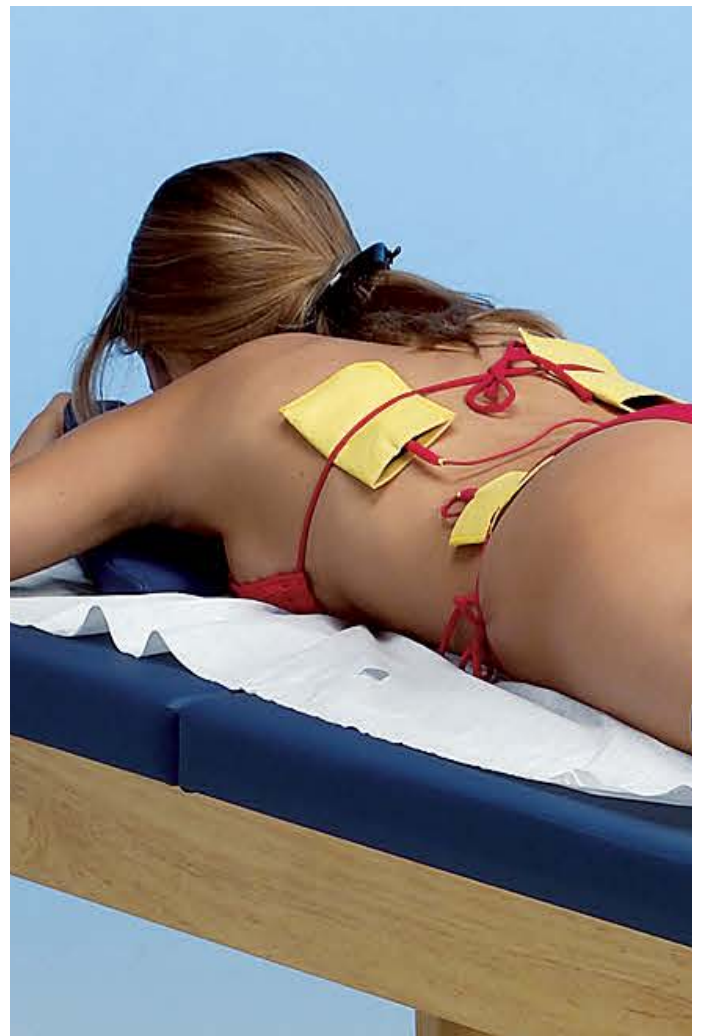
Electrotherapy



Electrotherapy uses the biological effects that can be obtained using electricity for therapeutic purposes, and involves electric currents that are passed through the relevant part of the body, being careful to choose them with specific characteristics that are suitable for the purposes to be achieved. Electrotherapy is used to stimulate denervated muscles, to reduce atrophy due to non-use of a normally innervated muscle, and to maintain muscular trophicity of denervated or partially innervated muscles, in order to strengthen the innervated muscle. The principal effects of electric current applied to body tissue include motory activation, thermal, trophic, analgesic, and chemical effects. Each muscular stimulation electric impulse is characterised by: Wave frequency: measured in Hz (hertz); Wave width: measured in msec (milliseconds); Intensity: measured in mA (milliampere).

Principal effects of electrical stimulation

- Training the neuro-muscular system to respond appropriately during voluntary and involuntary effort, providing an active (isometric, concentric, and eccentric) contraction and the resulting articular movements, providing proprioceptive feedback.
- Modulation of pain by means of the gate control mechanisms or descending inhibition mechanisms (production of endogenous opioids).
- Control or reduction of spasticity by stimulating (contraction and relaxation) agonists, (reciprocal inhibition) antagonists, or prevention of motorial sensation.
- Providing transdermal releasing of medicamentous substances in the skin (iontophoresis).
- Improving or maintaining articular mobility by mechanical stretching of muscles or connecting tissue or reducing impediment to movement, caused by neuromuscular dysfunctions (e.g. spasticity), pain or oedema.
- Facilitating healing of wounds by increasing local circulation, providing a bacterial effect, or changing the electric charges in the injured area.
- Slowing down or resolving oedema by the activity of the muscular pump or the effect of the electric charges on the interstitial proteins (electric field phenomena).



ACCESSORIES

2



ELO009 SPONGES CM 7 X 6
Sponges cm 7 x 6, set of 2 pieces

EL13009 SPONGES CM 7 X 6
Sponges cm 7 x 6, set of 25 pieces

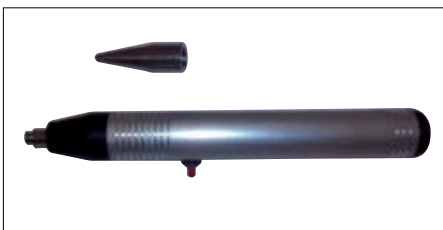


ELO010 SPONGES CM 7 X 11
Sponges cm 7 x 11, set of 4 pieces

EL13010 SPONGES CM 7 X 11
Sponges cm 7 x 11, set of 25 pieces



ELO015 OUTPUT CABLE
Additional 2-channel output cable



ELO159 MANUAL STIMULATION HANDPIECE
Handpiece for manual stimulation, 4mm



ELO016 CARRY CASE
Universal carry case for transport of portable unit. That's available for all Chinesport electro-medical equipment of the Excellent, Plus and Basic lines.



ELO011 ELECTRODES 5 X 5 CM
Electrodes cm 5 x 5, set of 2 pieces

EL13011 ELECTRODES 5 X 5 CM
Electrodes cm 5 x 5, set of 25 pieces



ELO012 ELECTRODES CM 6 X 8
Electrodes cm 6 x 8, set of 4 pieces

EL13012 ELECTRODES CM 6 X 8
Electrodes cm 6 x 8, set of 25 pieces



ELO082 LINK CABLE
Cable to connect electrotherapy and ultrasound machines.



EL12005 UROLOGY KIT
This kit consists of: 2 probes and two rings (1 vaginal and 1 anorectal) for KOMBY and MEDICSTIM models.



AC0665 ELASTIC BAND CM 60 X 3 H
Elastic band cm 60 x 3, one piece

EL13013 ELASTIC BANDS CM 60 X 3 H
Elastic bands cm 60 x 3, set of 20 pieces



AC0667 ELASTIC BAND CM 100 X 3 H
Elastic band cm 100 x 3, one piece

EL13014 ELASTIC BANDS SET CM 100 X 3 H
Elastic bands cm 100 x 3, set of 20 pieces



EL12003 TROLLEY
Trolley with tabletop and possibility of fixing non wheeled electromedical equipment and the arms.

SMART CARD TECHNOLOGY - EXTERNAL MEMORY



ELO001 PERSONAL SMART CARD
The smart card memory can be used with the Excellent and Plus lines. It's possible to save customized treatments based on specific setting of parameters. These therapies can be used for a specific user or a group of patients affected by same pathology. Set of 10 pieces.

Electrotherapy

EL12084 MEDICSTIM EXCELLENT

Electro therapy equipment with 2 channels. Muscular monitoring.

Distinctive elements

- Wide display: 6" colour touch-screen.
- 32 wave forms: Low and Medium frequencies, High Voltage, Microcurrents, APS and others.
- More than 100 therapeutic suggestions grouped according to anatomical areas, specialist branches and waveforms.
- I/T curve and after treatment.
- Patient file for storing all patient's data, treatments and short case history.
- Help button. Each therapeutic suggestion shows indications on its use and where to place electrodes.
- Connection link for ultrasound-electrotherapy combined treatments.
- Connection with Vacuumed for combined treatments with vacuum therapy.
- Smart card to store many personalised treatments and patient files.



TECHNICAL FEATURES

Mains power supply:	230 Vac, 50-60Hz, ±10%	
	115 Vac, 50-60Hz, ±10% (on request)	
Maximum power absorbed from the mains:	35 VA	
Backlit LCD display:	color 320 x 240 Touch screen	
Programmable treatment time	up to 60 minutes	
Electrical insulation class UNI EN 60601-1:	I / BF	
Device class 93/42/CEE:	II B	
Degree of protection against liquids UNI EN 60601-1:	IPX0	
Emission frequency	32 waveform families - 39 waveform in total	
Operation:	Constant voltage - Constant current	
Peak currents (Load resistance 1Kohm)	Pulsed currents	100 mA
	Diadynamic currents	70 mA
	Continuous currents	50 mA
Peak voltage (Load resistance 1Kohm)	Pulsed currents	100 V
	Diadynamic currents	70 V
	Continuous currents	50 V
Muscular monitoring:	I/t curve, rheobase and chronaxy	
Output channels:	2	
Stored protocols in the user memory	243	
Storable protocols in the smart-card	100	
Storable protocols	200	
Dimensions	39 x 13 x 32 cm	
Weight	4,7 Kg	

Standard Accessories

	Q.TY
Power cable	1
Fuses	2
Manual of therapies	1
Electrodes 6x8 cm	4
Electrode sponges 7x11 cm	4
Electrodes 5x5 cm	4
Electrode sponges 7x6 cm	4
Elastic band 100x3 cm	2
Elastic band 60x3 cm	2
Electro therapy output cable	1
Smart card	1
TouchScreen pen	1

Optional Accessories

EL0001	PERSONAL SMART CARD
EL0009	SPONGES CM 7X6
EL0010	SPONGES CM 7X11
EL0011	ELECTRODES CM 5X5
EL0012	ELECTRODES CM 6X8
EL0015	OUTPUT CABLE
EL0016	CASE
EL0082	LINK CABLE
EL0159	MANUAL STIMULATION HANDPIECE
EL12003	TROLLEY
EL12004	VACUUM THERAPY
EL12005	UROLOGY PROGRAM KIT
EL13009	SPONGES 7X6 CM
EL13010	SPONGES 7X11 CM
EL13011	ELECTRODES 5 X 5 CM
EL13012	ELECTRODES 6 X 8 CM
EL13013	ELASTIC BAND SET
EL13014	ELASTIC STRAPS SET
AC0665	ELASTIC BAND CM 60
AC0667	ELASTIC BAND CM 100

EL12053 MEDICSTIM 2 COMPLET

Equipment with 2 channels, with all low and medium frequency wave forms.

EL12054 MEDICSTIM 4 COMPLET

Equipment with 4 channels, with all low and medium frequency wave forms. Muscular monitoring.

Distinctive elements

- 24 wave forms (low and medium frequency).
- Possible connection to ultrasound devices for combined usage.
- Color display with Touch & scroll function.
- I/T Curve.
- Possible connection to the Vacuum device for combined usage.
- Electrodes test.
- Creation of various treatment sequences having different waveforms.
- Smart Card included.



2



TECHNICAL FEATURES

Mains power supply:		230 Vac, 50-60Hz, ±10%
		115 Vac, 50-60Hz, ±10% (on request)
Maximum power absorbed from the mains:	Medicstim 4 Complet	65 VA
	Medicstim 2 Complet	35 VA
Backlit LCD display:		B/W 320 x 240 Touch screen
Programmable treatment time		up to 60 minutes
Electrical insulation class UNI EN 60601-1:		I / BF
Device class 93/42/CEE:		II B
Degree of protection against liquids UNI EN 60601-1:		IPX0
Muscular monitoring:		I/t curve, rheobase and chronaxy
Output channels	Medicstim 4 Complet	4 independent
	Medicstim 2 Complet	2 independent
Stored protocols:		50
Protocols storable in the user memory:		200
Sequences storable in the user memory:		10
I/t Curves storable in the user memory:		100
Reobase/cronaxya values storable in the user memory:		100
Protocols storable in the smart-card:		40
Sequences storable in the smart-card:		10
I/t Curves storable in the smart-card:		20
Reobase/cronaxya values storable in the smart-card:		10
Dimensions:		39 x 13 x 32 cm
Weight	Medicstim 4 Complet	5,2 Kg
	Medicstim 2 Complet	4,6 Kg

Standard Accessories EL12053 EL12054

Power cable	1	1
Fuses	2	2
Manual of therapies	1	1
Electrodes 6x8 cm	4	8
Electrode sponges 7x11 cm	4	8
Electrodes 5x5 cm	4	8
Electrode sponges 7x6 cm	4	8
Elastic band 100x3 cm	2	4
Elastic band 60x3 cm	2	4
Electro therapy output cable	1	2
Smart card	1	1

Optional Accessories

- EL0001 PERSONAL SMART CARD
- EL0009 SPONGES CM 7X6
- EL0010 SPONGES CM 7X11
- EL0011 ELECTRODES CM 5X5
- EL0012 ELECTRODES CM 6X8
- EL0015 OUTPUT CABLE
- EL0016 CASE
- EL0082 LINK CABLE
- EL0159 MANUAL STIMULATION HANDPIECE
- EL12003 TROLLEY
- EL12004 VACUUM THERAPY
- EL12005 UROLOGY PROGRAM KIT
- EL13009 SPONGES 7X6 CM
- EL13010 SPONGES 7X11 CM
- EL13011 ELECTRODES 5 X 5 CM
- EL13012 ELECTRODES 6 X 8 CM
- EL13013 ELASTIC STRAPS SET
- EL13014 ELASTIC STRAPS SET
- AC0665 ELASTIC BAND CM 60
- AC0667 ELASTIC BAND CM 100

Electrotherapy

EL12050 MEDICSTIM BASIC

Electro therapy equipment with 2 independent channels, providing low and medium frequency current, for a total of 23 wave forms.

Distinctive elements

- 23 waveforms available in the software.
- Two completely independent outputs with banana cables 2 mm.
- Possible connection to ultrasound model for combined applications.
- Graphic display with a very good resolution.
- Easy to use: easy and clear interface.
- Possible connection to the Vacuum device for combined usage applications.
- Electrodes test.
- Multilingual software.



TECHNICAL FEATURES

Mains power supply:	230 Vac, 50-60Hz, $\pm 10\%$
	115 Vac, 50-60Hz, $\pm 10\%$ (upon request)
Maximum power absorbed from the mains:	30 VA
Backlit LCD display	B/W 240 x 64 pixel
Programmable treatment time	up to 60 minutes
Electrical insulation class UNI EN 60601-1:	I / BF
Device class 93/42/CEE:	II B
Degree of protection against liquids UNI EN 60601-1:	IPX0
Output channels	2 independent
Stored protocols:	20
Storable protocols:	10
Dimensions:	39 x 13 x 32 cm
Weight	4,2 Kg















Standard Accessories

















	Q.TY
Power cable	1
Fuses	2
Manual of therapies	1
Electrodes 6x8 cm	4
Electrode sponges 7x11 cm	4
Electrodes 5x5 cm	4
Electrode sponges 7x6 cm	4
Elastic band 100x3 cm	2
Elastic band 60x3 cm	2
Electro therapy output cable	1

Optional Accessories

EL0009	SPONGES CM 7X6
EL0010	SPONGES CM 7X11
EL0011	ELECTRODES CM 5X5
EL0012	ELECTRODES CM 6X8
EL0015	OUTPUT CABLE
EL0016	CASE
EL0082	LINK CABLE
EL0159	MANUAL STIMULATION HANDPIECE
EL12003	TROLLEY
EL12004	VACUUM THERAPY
EL12005	UROLOGY PROGRAM KIT
EL13009	SPONGES 7X6 CM
EL13010	SPONGES 7X11 CM
EL13011	ELECTRODES 5 X 5 CM
EL13012	ELECTRODES 6 X 8 CM
EL13013	ELASTIC STRAPS SET
EL13014	ELASTIC STRAPS SET
AC0665	ELASTIC BAND CM 60
AC0667	ELASTIC BAND CM 100



WAVE FORMS PROVIDED	MODEL					
	EL12050	EL12053	EL12054	EL12084	EL12058	EL12059
 High voltages				•		
 AL- Tens				•		
 APS				•		
 Biphasic S/ A	•	•	•	•	•	•
 Short period	•	•	•	•	•	•
 Diphasic	•	•	•	•	•	•
 Exponential		•	•	•		•
 Galvanic	•	•	•	•	•	•
 Classic Interferential	•	•	•	•	•	•
 Isoplanar Interferential	•	•	•	•	•	•
 Vectorial interferential	•	•	•	•	•	•
 Interferential	•	•	•	•	•	•
 Iontophoresis	•	•	•	•	•	•
 Kotz	•	•	•	•	•	•
 Long period	•	•	•	•	•	•
 Micro-currents				•		

WAVE FORMS PROVIDED	MODEL					
	EL12050	EL12053	EL12054	EL12084	EL12058	EL12059
 Monophasic	•	•	•	•	•	•
 Neodynamic	•	•	•	•	•	•
 H-wave				•		
 Pharadic rectangular	•	•	•	•	•	•
 Rectangular	•	•	•	•	•	•
 Synop. Diphasic	•	•	•	•	•	•
 Synop. Monophasic	•	•	•	•	•	•
 Perineal Stimulation				•		
 Short-intense TENS				•		
 Tens burst S/ A/ R	•	•	•	•	•	•
 Modulated Tens				•		
 TENS random S/ A/ R	•	•	•	•	•	•
 TENS S/ A/ R	•	•	•	•	•	•
 Traebert	•	•	•	•	•	•
 Neodynamic triangular	•	•	•	•	•	•
 Triangular	•	•	•	•	•	•

Ultrasound therapy



Ultrasounds are high frequency sound vibrations that cannot be perceived by the human ear. In the therapeutic field, the application of ultrasounds to human tissue provides a cellular and inter-cellular high frequency massaging action. Also, ultrasounds can also be used under water. The head is immersed in water along with the area to be treated. The tissues irradiated by ultrasounds vibrate in turn, resulting in energy being released, which produces heat. This summarizes the biological effects of ultrasounds:

- The Mechanical effect: is produced by the rhythmic compression and decompression of tissue. The particles in tissue covered by the vibrating band are all activated alternately, with the same acceleration and speed.
- The Diathermal mechanism: with possible biological effects begins to be possible at energy levels of 1 Watt/cm². As the sound is propagated through the tissues it is absorbed and converted into heat. The distribution of the temperature produced by the ultrasound in the tissues, is unique among the various forms of deep heating: in fact, it brings about an increase in temperature that is relatively small on the surface of the tissue and is more likely to penetrate the muscles and soft tissue than diathermia produced by microwaves or short circuits.

Therapeutic effects

The therapeutic effects of ultrasounds are partly due to the increase in temperature. These take the form of analgesia, relaxation of the muscles, and a fibrolytic and trophic effect.

- **Analgesia** - The analgesic effect is due to the heat, and probably also the direct action of the ultrasounds on the sensitive nerve endings.
- **Relaxation of contracted muscles** - Relaxation of contracted muscles is associated with the thermal effect and micro massaging of the tissue, induced by the passage of the ultrasounds.
- **Fibrolytic effect** - Oscillation of the tissue particles, caused by the ultrasounds, results in disruption of the collagen fibers in fibrous and sclerotized tissue.
- **Trophic effect** - Vasodilation, which results from a rise in temperature, facilitates the removal of catabolites and puts nutritive substances and oxygen into the tissue. In this way ultrasounds improve trophism of the tissue, facilitate repair of tissue damage and speed up resolution of inflammatory processes.

ACCESSORIES

2



Our ultrasound handpieces get activated by contact with the patient. The activation can be seen by means of a LED placed on the handpiece itself and on the screen of the device. These ergonomic handpieces can be used also in the water due to their high IP67 protection level. The handpieces can be used in automatic mode, or they can be activated by contact with the patient. They can work in continuous emission mode as well. In this latter possibility, a support arm may be a useful accessory.

EL0017 HANDPIECE CM² 1
1-3 MHz cm, dual frequency, IP67 protection.

EL0018 HANDPIECE CM² 3
1-3 MHz cm, dual frequency, IP67 protection.

EL0019 HANDPIECE CM² 5
1-3 MHz cm, dual frequency, IP67 protection.

EL0020 HANDPIECE CM² 8
1-3 MHz cm, dual frequency, IP67 protection.



EL0001 PERSONAL SMART CARD
It's possible to save customized treatments based on specific setting of parameters. Set of 10 pieces.



EL0016 CARRY CASE
Universal carry case for transport of portable unit. That's available for all Chinesport electro-medical equipment of the Excellent, Plus and Basic lines.



EL0024 GEL CANISTER
Specific gel for ultrasound therapy, 5 kg



EL0025 DISPENSER
Pump for canister code EL0024.



EL0023 CONTACT GEL
Specific gel for ultrasound therapy, 250 g



EL0082 LINK CABLE
Cable to connect electrotherapy and ultrasound machines.



EL0021

EL0022

EL0021 SONIC ARM
Suitable for all handpieces. Can be mounted on trolley code EL12003.

EL0022 SONIC ARM P
Swivel arm. Free mount.



EL12003 TROLLEY
Trolley with tabletop and possibility of fixing non wheeled electromedical equipment and the arms.

Ultrasound therapy

EL12085 SONIC EXCELLENT

Ultrasound equipment with two independent channels and three frequencies: 1, 2 and 3 MHz, in both continuous and pulsating mode. Smart card included. Important note: a specific handpiece is needed in order to use the 2 MHz frequencies.

EXCELLENT



Distinctive elements

- Wide display: 6" colour touch-screen.
- Waterproof multifrequency probes 1/3 MHz, suitable for submerged treatments.
- Self-calibrating probes with working frequency internal storage system.
- Therapeutic suggestions grouped according to anatomical areas, specialist branches and waveforms.
- I/T curve and after treatment.
- Patient file for storing all patient's data, treatments and short case history.
- Help button. Each therapeutic suggestion shows indications on its use and where to place electrodes.
- Connection link for ultrasound-electrotherapy combined treatments.
- Smart card to store many personalised treatments and patient files.



TECHNICAL FEATURES

Power supply:	230 Vac, 50-60Hz, $\pm 10\%$ 115 Vac, 50-60Hz, $\pm 10\%$ (on request)
Maximum mains power absorption:	70 VA
LCD display:	Graphics 320 x 240 pixel Touchscreen
Programmable treatment time:	up to 30 minutes
Electrical insulation class UNI EN 60601-1 standard:	I / BF
Device class in compliance with the 93/42/CEE directive:	II B
Degree of protection against the input of liquids UNI EN 60601-1 standard:	IPX0
Emission frequency:	1 MHz $\pm 15\%$ 2 MHz $\pm 15\%$ (optional) 3 MHz $\pm 15\%$
Duty Cycle adjustable:	10% - 100%
Continuous peak power:	2 W / cm ² $\pm 20\%$
Pulsed peak power:	3 W / cm ² $\pm 20\%$
Output channels:	2 independent
Stored protocols:	91
Storable protocols on the user memory:	250
Storable protocols on the smart-card:	250
Dimensions	39 x 13 x 32 cm
Weight	6,55 Kg

Standard Accessories

	Q.TY
Power cable	1
Fuses	2
Manual of therapies	1
Handpieces 5cm ² 1/3 MHz	2
Touchscreen Pen	1
Contact sensor with wire	2
Smart Card	1

Optional Accessories

EL0001	PERSONAL SMART CARD
EL0016	CARRY CASE
EL0017	HANDPIECE CM ² 1
EL0018	HANDPIECE CM ² 3
EL0019	HANDPIECE CM ² 5
EL0020	HANDPIECE CM ² 8
EL0021	SONIC ARM
EL0022	SONIC ARM P
EL0023	CONTACT GEL
EL0024	GEL CANISTER
EL0025	DISPENSER
EL0082	LINK CABLE
EL12003	TROLLEY

EL12056 SONIC 1

Single output ultrasound therapy equipment, with 1 output, complete with 1/3 MHz multifrequency handpiece. Display 320x240 px, treatment time up to 60 minutes, 200 storable protocols. Smart Card included.

Distinctive elements

- Waterproof multifrequency probes 1/3 MHz, suitable for submerged treatments.
- Self-calibrating probes with working frequency internal storage system.
- Sonic 2: two completely independent channel ultrasound device, able to perform two autonomous treatment at the same time.
- Smart Card included.



TECHNICAL FEATURES

Power supply:	230 Vac, 50-60Hz, ±10% 115 Vac, 50-60Hz, ±10% (on request)
Maximum mains power absorption:	40 VA
LCD display:	B/W graphics 320 x 240 pixels
Programmable treatment time:	up to 60 minutes
Electrical insulation class UNI EN 60601-1 standard:	I / BF
Device class in compliance with the 93/42/CEE directive:	II B
Degree of protection against the input of liquids UNI EN 60601-1 standard:	IPX0
Emission frequency:	1 MHz and 3 MHz ± 15%
Duty Cycle adjustable:	10% - 100%
Continuous peak power:	2 W / cm ² ± 20%
Pulsed peak power:	3 W / cm ² ± 20%
Output channels:	1
Stored protocols:	60
Storable protocols on the user memory:	200
Storable protocols on the smart-card:	200
Dimensions	39 x 13 x 32 cm
Weight	4,2 Kg

Standard Accessories

	Q.TY
Power cable	1
Fuses	2
Manual of therapies	1
Handpieces 5cm ² 1/3 MHz	1
Contact sensor with wire	1
Smart Card	1

Optional Accessories

EL0001	PERSONAL SMART CARD
EL0016	CARRY CASE
EL0017	HANDPIECE CM ² 1
EL0018	HANDPIECE CM ² 3
EL0019	HANDPIECE CM ² 5
EL0020	HANDPIECE CM ² 8
EL0021	SONIC ARM
EL0022	SONIC ARM P
EL0023	CONTACT GEL
EL0024	GEL CANISTER
EL0025	DISPENSER
EL0082	LINK CABLE
EL12003	TROLLEY

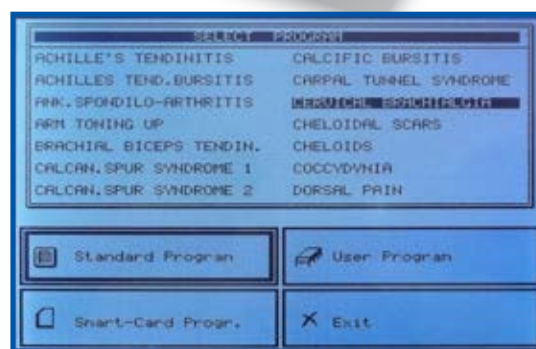
Ultrasound therapy

EL12057 SONIC 2

Ultrasound therapy equipment with two independent outputs. Complete with 1/3 MHz multi-frequency handpiece. Display 320x240, treatment time up to 60 minutes, 200 storable protocols. Smart Card included.

Distinctive elements

- Waterproof multifrequency probes 1/3 MHz, suitable for submerged treatments.
- Self-calibrating probes with working frequency internal storage system.
- Sonic 2: two completely independent channel ultrasound device, able to perform two autonomous treatment at the same time.
- Smart Card included.



TECHNICAL FEATURES

Power supply:	230 Vac, 50-60Hz, ±10% 115 Vac, 50-60Hz, ±10% (on request)
Maximum mains power absorption:	70 VA
LCD display:	B/W graphics 320 x 240 pixels
Programmable treatment time:	up to 60 minutes
Electrical insulation class UNI EN 60601-1 standard:	I / BF
Device class in compliance with the 93/42/CEE directive:	II B
Degree of protection against the input of liquids UNI EN 60601-1 standard:	IPX0
Emission frequency:	1 MHz and 3 MHz ± 15%
Duty Cycle adjustable:	10% - 100%
Continuous peak power:	2 W / cm ² ± 20%
Pulsed peak power:	3 W / cm ² ± 20%
Output channels:	2 independent
Stored protocols:	60
Storable protocols on the user memory:	200
Storable protocols on the smart-card:	200
Dimensions	39 x 13 x 32 cm
Weight	4,2 Kg

Standard Accessories

	Q.TY
Power cable	1
Fuses	2
Manual of therapies	1
Handpieces 5cm ² 1/3 MHz	2
Contact sensor with wire	2
Smart Card	1

Optional Accessories

EL0001	PERSONAL SMART CARD
EL0016	CARRY CASE
EL0017	HANDPIECE CM ² 1
EL0018	HANDPIECE CM ² 3
EL0019	HANDPIECE CM ² 5
EL0020	HANDPIECE CM ² 8
EL0021	SONIC ARM
EL0022	SONIC ARM P
EL0023	CONTACT GEL
EL0024	GEL CANISTER
EL0025	DISPENSER
EL0082	LINK CABLE
EL12003	TROLLEY

EL12055 SONIC BASIC

Table-top ultrasound therapy equipment, with 1 output, complete with 1/3 MHz multi-frequency handpiece. Display 240x64, treatment time up to 30 minutes, 10 storable protocols.

Distinctive elements

- 1/3 MHz Multifrequency probe.
- Graphic display with a very good resolution.
- Easy to use: clear and easy interface.
- Waterproof probes for underwater treatments.
- Multilingual software.
- 50 therapeutic suggestions.



2



TECHNICAL FEATURES

Power supply:	230 Vac, 50-60Hz, $\pm 10\%$ 115 Vac, 50-60Hz, $\pm 10\%$ (on request)
Maximum mains power absorption:	40 VA
LCD display:	B/W graphics 240 x 64 pixels
Programmable treatment time:	up to 30 minutes
Electrical insulation class UNI EN 60601-1 standard:	I / BF
Device class in compliance with the 93/42/CEE directive:	II B
Degree of protection against the input of liquids UNI EN 60601-1 standard:	IPX0
Emission frequency:	1 MHz and 3 MHz
Duty Cycle adjustable:	10% - 100%
Continuous peak power:	2 W / cm ² \pm 20%
Pulsed peak power:	3 W / cm ² \pm 20%
Output channels:	1
Stored protocols:	20
Storable protocols on the user memory:	10
Dimensions	39 x 13 x 32 cm
Weight	3,6 Kg

Standard Accessories

	Q.TY
Power cable	1
Fuses	2
Manual of therapies	1
Handpieces 5cm ² 1/3 MHz	1
Contact sensor with wire	1

Optional Accessories

EL0016	CARRY CASE
EL0017	HANDPIECE CM ² 1
EL0018	HANDPIECE CM ² 3
EL0019	HANDPIECE CM ² 5
EL0020	HANDPIECE CM ² 8
EL0021	SONIC ARM
EL0022	SONIC ARM P
EL0023	CONTACT GEL
EL0024	GEL CANISTER
EL0025	DISPENSER
EL0082	LINK CABLE
EL12003	TROLLEY

Combined therapy

The combined therapy devices allow maximum flexibility of use thanks to 3 different modes: ultrasound therapy (1 Mhz – 3 Mhz), electrotherapy and combined ultrasound-electro therapy usage. The combined therapy takes advantage of the therapeutic effects of both techniques, giving us a compact, inclusive device, easily adaptable for a great set of therapeutic protocols.



EL12059 KOMBY

Equipment for combined therapy - one channel for 1/3 MHz ultrasound therapy and electro therapy with 2 independent channels and 24 wave forms. In ultrasound therapy, a sensor allows the energy to be supplied only when there is contact with the patient, sending the operator a visual and auditory feedback. In electrotherapy, instead, the microcontrollers to the power boards verify in real time that the selected current is delivered correctly and report any possible anomalies.



2



CE 0476

TECHNICAL FEATURES

Mains power supply:	230 Vac, 50-60Hz, $\pm 10\%$ 115 Vac, 50-60Hz, $\pm 10\%$ (on request)
Maximum power absorbed from the mains:	65 VA
LCD display	B/W 320 x 240 pixels
Classification directive 93/42/EEC:	II B
Insulation class EN 60601-1 standard:	I / BF
Degree of protection against input of liquids EN 60601-1 standard:	IPX0
Dimensions	39 x 13 x 32 cm
Weight	4.60 Kg
ELECTROTHERAPY THERAPY	
Programmable treatment time	Up to 60 minutes
Operation	Low frequency, Medium frequency
Waveforms	25
Stored protocols	25
Storable protocols in the user memory	100
Storable curve I/t in the user memory	100
Storable protocols in the smart-card	50
Storable curve I/t in the smart-card	20
Output channels	2 independent
ULTRASOUND THERAPY	
Programmable treatment time	Up to 30 minutes
Emission Frequency	1 MHz and 3 MHz
Adjustable Duty-Cycle	10% - 100%
Duty-Cycle adjustable frequency	(10 - 100) Hz
Continue peak power	2 W / cm ² $\pm 20\%$
Pulsed peak power	3 W / cm ² $\pm 20\%$
Stored protocols	25
Storable protocols in the user memory	100
Storable curve I/t in the smart-card	50
Output channels	1
COMBINED THERAPY	
Programmable treatment time:	Up to 99 minutes
Current type	Low frequency
	Medium frequency
Stored protocols	20
Output channels	2 independent

Standard Accessories

	Q.TY
Power cable	1
Fuses	2
Manual of therapies	1
Electrodes 6x8 cm	4
Electrodes 5x5 cm	4
Electrode sponges 7x6 cm	4
Electrode sponges 7x11 cm	4
Elastic band 100x3 cm	2
Elastic band 60x3 cm	2
Handpiece 1/3 MHz 5 cm ²	1
Electro therapy output cable	1
Smart card	1

Optional Accessories

EL0001	PERSONAL SMART CARD
EL0009	SPONGES CM 7X6
EL0010	SPONGES CM 7X11
EL0011	ELECTRODES CM 5X5
EL0012	ELECTRODES CM 6X8
EL0015	OUTPUT CABLE
EL0016	CARRY CASE
EL0017	HANDPIECE CM ² 1
EL0018	HANDPIECE CM ² 3
EL0019	HANDPIECE CM ² 5
EL0020	HANDPIECE CM ² 8
EL0021	SONIC ARM
EL0022	SONIC ARM P
EL0023	CONTACT GEL
EL0024	GEL CANISTER
EL0025	DISPENSER
EL0082	LINK CABLE
EL0159	MANUAL STIMULATION HANDPIECE
EL12003	TROLLEY
EL12004	VACUUM THERAPY
EL12005	UROLOGY PROGRAM KIT
EL13009	SPONGES 7X6 CM
EL13010	SPONGES 7X11 CM
EL13011	ELECTRODES 5 X 5 CM
EL13012	ELECTRODES 6 X 8 CM
EL13013	ELASTIC STRAPS SET
EL13014	ELASTIC STRAPS SET
AC0665	ELASTIC BAND CM 60
AC0667	ELASTIC BAND CM 100

Combined therapy

EL12058 KOMBY BASIC

Equipment for combined therapy - one channel for 1/3 MHz ultrasound therapy and electrotherapy with 2 independent channels and 23 wave forms. In ultrasound therapy, a sensor allows the energy to be supplied only when there is contact with the patient, sending the operator a visual and auditory feedback. In electrotherapy, instead, the microcontrollers to the power boards verify in real time that the selected current is delivered correctly and report any possible anomalies.



TECHNICAL FEATURES

Mains power supply:	230 Vac, 50-60Hz, ±10% 115 Vac, 50-60Hz, ±10% (on request)
Maximum power absorbed from the mains:	60 VA
LCD display	B/W 240 x 64 pixels
Protocols storable in the user memory	50
Classification directive 93/42/EEC:	II B
Insulation class EN 60601-1 standard:	I / BF
Degree of protection against input of liquids EN 60601-1 standard:	IPX0
Dimensions	39 x 13 x 32 cm
Weight	4.60 Kg

ELECTROTHERAPY THERAPY

Programmable treatment time	Up to 60 minutes
Operation	Low frequency, Medium frequency
Waveforms typology	Continuous / Pulsed
Waveforms	25
Stored protocols	10
Output channels	2 independent

ULTRASOUND THERAPY

Programmable treatment time	Up to 30 minutes
Emission Frequency	1 MHz and 3 MHz
Adjustable Duty-Cycle	10% - 100%
Duty-Cycle frequency	2 Hz
Continue peak power	2 W / cm ² ± 20%
Pulsed peak power	3 W / cm ² ± 20%
Stored protocols	10
Output channels	1

Standard Accessories

	Q.TY
Power cable	1
Fuses	2
Manual of therapies	1
Electrodes 6x8 cm	4
Electrodes 5x5 cm	4
Electrode sponges 7x6 cm	4
Electrode sponges 7x11 cm	4
Elastic band 100x3 cm	2
Elastic band 60x3 cm	2
Electro therapy output cable	1
Sensor contact	1
Handpiece 1/3 MHz 5 cm ²	1



Optional Accessories

EL0009 SPONGES CM 7X6
EL0010 SPONGES CM 7X11
EL0011 ELECTRODES CM 5X5
EL0012 ELECTRODES CM 6X8
EL0015 OUTPUT CABLE
EL0016 CARRY CASE
EL0017 HANDPIECE CM² 1
EL0018 HANDPIECE CM² 3
EL0019 HANDPIECE CM² 5
EL0020 HANDPIECE CM² 8

EL0021 SONIC ARM
EL0022 SONIC ARM P
EL0023 CONTACT GEL
EL0024 GEL CANISTER
EL0025 DISPENSER
EL0082 LINK CABLE
EL0159 MANUAL STIMULATION HANDPIECE
EL12003 TROLLEY
EL12004 VACUUM THERAPY
EL12005 UROLOGY PROGRAM KIT

EL13009 SPONGES 7 X 6 CM
EL13010 SPONGES 7 X 11 CM
EL13011 ELECTRODES 5 X 5 CM
EL13012 ELECTRODES 6 X 8 CM
EL13013 ELASTIC STRAPS SET
EL13014 ELASTIC STRAPS SET
AC0665 ELASTIC BAND CM 60 X 3
AC0667 ELASTIC BAND CM 100 X 3

How does the Vacuum therapy work?

The vacuum therapy consists in applying an inner tube to a body part, in which a depression is created and afterwards a compression to stimulate the venous and lymphatic circulation: this causes a suction effect which increases the blood afflux in the involved area, stimulating the circulation and the oxygenation, and accelerating the turnover of substances and the elimination of toxins. In the peripheral tissues the oxygen levels increase substantially and the carbon dioxide decreases: by improving the blood flow the exchange activity in the capillaries is favored and by accelerating the blood flow the venous stasis which is the main cause of various veins and venous insufficiency.

EL12004 VACUUM THERAPY

The Vacuum Therapy is a therapeutical method which uses the effect of the vacuum in the body by combining the improvement of the tissue microcirculation with an anti-inflammatory and detoxing action. The vacuum application combined with the stimulation currents are carried out using vacuum electrodes. Such electrodes are connected through pipes to a suction pump which causes a negative pressure inside the electrodes: during this action, the high depression requires a great quantity of blood (hyperemia), thereby improving the therapy effect through the different stimulation currents.

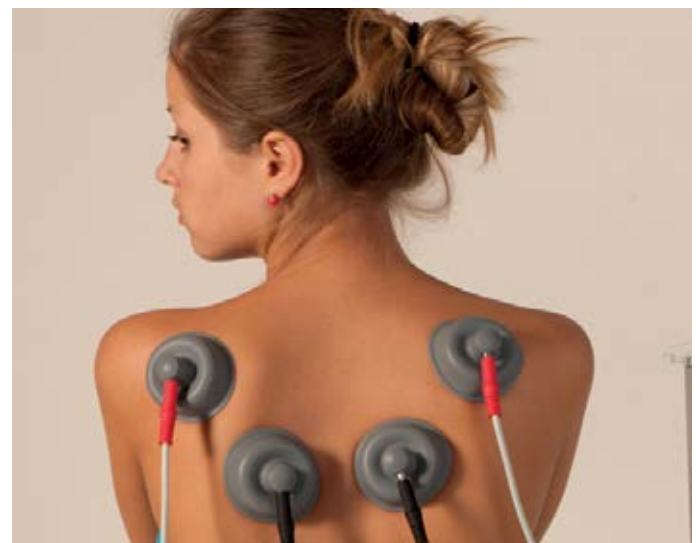


Therapeutic indications

Such therapy is useful for treating all forms of vascular diseases affecting the legs: Arteriosclerosis of lower limbs, Burger, Raynaud; and all forms of venous and/or lymphatic insufficiency, such as: Swollen legs, lymphedema, phlebolympheidema, cellulitis.

Distinctive elements

- **Suction:** using the encoder you can increase or decrease the level of suction;
- **Frequency:** it is possible to increase or decrease the period of time between a suction and the following;
- **Combined use:** simply connect the device with our Medicstim or Komby units via its dedicated LINK cable to perform combined treatments;
- **Vacuum output:** the four Vacuumed outputs can work together and simultaneously; otherwise you can use just two of them, by means of the specific cable to cover the other two outputs (see the picture);
- **Low noise level:** Vacuumed is equipped with a low noise emission compressor, in order to perform a relaxing therapy;
- **Smart case:** the rectangular shape of VACUUMED allows to allocate another Chinesport physio equipment (Electrotherapy / Combined) above the same, further reducing the overall dimensions.



TECHNICAL FEATURES

Mains power supply:	230 Vac, 50-60 Hz ±10%
	115 Vac, 50-60 Hz ±10% (on request)
Maximum power absorbed:	25 VA
Output channels	2 independent
Achievable depressure:	(0 - 0,6) bar
Insulation class EN 60601-1:	I / BF
Classification according to 93/42/CEE directive:	II A
Degree of protection against liquids EN 60601-1 standard:	IPX0
Dimensions	36.5 x 40.5 x 12h cm
Weight:	7.8 Kg

Standard Accessories

	Q.TY
Power cable	1
Fuses	2
User's manual	1
Vacuum cups Ø 6 cm	4
Cup sponges Ø 6 cm	8
Output cables	4
Connection cable electrotherapy	1

COMPATIBILITY

EL12050 Medicstim Basic	EL12054 Medicstim 4 Complet
EL12053 Medicstim 2 Complet	EL12084 Medicstim Excellent
EL12058 Komby Basic	EL12059 Komby

Laser therapy



How does Laser therapy work?

Laser therapy physiologically works due to photochemical and photobiological effects on the cells and on the under-skin tissue. The laser light, with its transparent wave length, has the property of going through the surface of the skin without any important action. Therefore, the therapy treatment is very much appreciated by the patient at all times, who never perceives any unpleasant sensations: laser therapy is painless, riskless and the time dedicated to each treatment is less than the one employed for other therapies. The devices propose some pre-set protocols with the recommendable fluence rate for each type of treatment. The operator is free to adjust the treatment time or the frequency, according to the area to be treated and the power of the handpiece in use, in order to convey the fluence rate necessary for the treatment. These devices are provided with secret access code and security key (Interlock), as established by law.

Effects of the Laser

- **Anti-inflammatory effect.**
- **Effects on the peripheral nervous system** (antalgic and regenerative effect).
- **Biostimulating effect**, with regeneration of tissue.
- **Effect on micro circulation and blood vessels:** the laser induces improvement of local micro circulation, which includes the relief of local spasms of the arteriolar and venular vessels (which occurs, for example, after trauma or inflammation), and brings about intensification of the blood flow in the nutritional capillaries.
- **Immunomodulating effect.**
- **Enzyme photo activation effect.**
- **Placebo effect.**

Indications for using lasers

- Rheumatology
- Orthopedics
- Dermatology
- Dentistry
- Otolaryngology
- Neurology
- Laser acupuncture

SMART CARD TECHNOLOGY - EXTERNAL MEMORY



EL0001 PERSONAL SMART CARD

The smart card memory can be used with the Excellent and Plus lines. It's possible to save customized treatments based on specific setting of parameters. These therapies can be used for a specific user or a group of patients affected by same pathology. Set of 10 pieces.

ACCESSORIES

2

Laser Therapy handpieces overview

Twelve different handpieces are available. They are interchangeable and their difference is based on the number of diodes (1-8). The nominal power transmitted by each diode (25mW – 100mW) is up to a maximum of 800 mW for an area of up to 5 cm². Each handpiece not only has the afore mentioned diodes for therapy emissions (905nm), they also guarantee a perfect pointing of the therapy by the presence of a guiding light generated by other two pointing diodes which generate a visible red light.

The laser handpieces have the possibility of automatic emission to approach the part to be treated or a continuous mode. In this case a support arm may be a useful accessory.



EL0028 1 DIODE HANDPIECE - 25MW
EL0029 1 DIODE HANDPIECE - 50MW
EL0030 1 DIODE HANDPIECE - 100MW



EL0031 3 DIODE HANDPIECE - 75MW
EL0032 3 DIODE HANDPIECE - 150MW
EL0033 3 DIODE HANDPIECE - 300MW



EL0034 5 DIODE HANDPIECE - 125MW
EL0035 5 DIODE HANDPIECE - 250MW
EL0036 5 DIODE HANDPIECE - 500MW



EL0037 8 DIODE HANDPIECE - 200MW
EL0038 8 DIODE HANDPIECE - 400MW
EL0039 8 DIODE HANDPIECE - 800MW



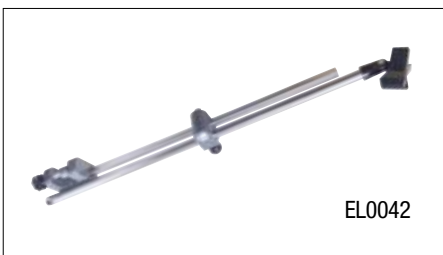
1-diode handpiece



3-diode handpiece



5- or 8-diode handpiece



EL0042

EL0040 LASER ARM
 Arm for 1 diode handpiece with possibility of fixing to trolley. (cod. EL12003).

EL0041 LASER ARM
 Arm for 3-5-8 diodes handpieces with possibility of fixing to trolley. (cod. EL12003).

EL0042 L1 ARM
 Pantograph arm for 1 diode handpiece. Free fixing.

EL0043 L3-5-8 ARM
 Pantograph arm for 3-5-8 diodes handpieces. Free fixing.



EL12003 TROLLEY
 Trolley with tabletop and possibility of fixing non wheeled electromedical equipment and the arms.



EL0016 CARRY CASE
 Universal carry case for transport of portable unit.



02098 LASER PROTECTIVE GOGGLES
 Lens color green, VLT 45%.

Low Level Laser therapy

EL12061 FISIOLASER IRD

Laser therapy equipment with 1 output.
Automatic treatment time setting according to the energy to be provided and the area selected.
Smart card included. Laser wavelength 905 nm.



TECHNICAL FEATURES

Mains voltage:	230 Vac, 50-60Hz, ±10%	
	115 Vac, 50-60Hz, ±10% on request	
Max. Power absorption:	15 VA	
Interlock socket/Safety key:	3 contact DIN socket	
Backlit LCD Display:	graphic b/w 320 x 240 pixel	
Programmable treatment time:	up to 99 minutes	
Diode Laser wave length emission:	905 nm	
Laser classification EN 60825-1:	3B	
Device class 93/42/CEE directive:	II B	
Electrical insulation UNI EN 60601-1:	I / BF	
Degree of protection by the liquid access UNI EN 60601-1:	IPX0	
Programmable pulse frequency:	(200-10.000) Hz	
Pulse duration:	100 nsec	
	25 W	
Peak power for single diode:	50 W	
	100 W	
	500 W	
TARGET POINTING DEVICE CHARACTERISTICS:		
Target pointing device characteristics:	Target pointing device UNI EN 60601-2-22	2 light-drive
	Light-drive device	Led-diode
	Light-drive color	Red
	Light-drive representation on the impact point	Spot with red as colour
	Laser-beam positioning:	Always to the centre of the simmetry axis of 2 red spots
Typology for emission of the treatment:		Manual emission
		Automatic emission
		Continuous emission
Output channels:	1	
Stored protocols:	79	
Storable protocols:	50	
External size:	39x13x32 (probe holders excluded)	
Weight:	4.30 Kg	

Standard Accessories

	Q.TY
Mains power supply cable	1
Fuses	2
Manual of therapies	1
MLA1 Laser probe 25mW	1
Safety laser goggles	2
Interlock connector	1
Smart-card	1

Optional Accessories

- EL0028 1 DIODE HANDPIECE - 25MW
- EL0029 1 DIODE HANDPIECE - 50MW
- EL0030 1 DIODE HANDPIECE - 100MW
- EL0031 3 DIODE HANDPIECE - 75MW
- EL0032 3 DIODE HANDPIECE - 150MW
- EL0033 3 DIODE HANDPIECE - 300MW
- EL0034 5 DIODE HANDPIECE - 125MW
- EL0035 5 DIODE HANDPIECE - 250MW
- EL0036 5 DIODE HANDPIECE - 500MW
- EL0037 8 DIODE HANDPIECE - 200MW
- EL0038 8 DIODE HANDPIECE - 400MW
- EL0039 8 DIODE HANDPIECE - 800MW
- EL0040 LASER ARM
- EL0041 LASER ARM
- EL0042 L1 ARM
- EL0043 L3-5-8 ARM
- EL0001 PERSONAL SMART CARD
- EL0016 CARRY CASE
- EL12003 TROLLEY
- 02098 LASER PROTECTIVE GOGGLES



EL12062 FISIOLASER IRD 2

Laser therapy equipment with 2 independent outputs with automatic treatment time setting according to the energy to be provided and the area selected, and an indication of the energy transmitted in relation to the treatment time and area. Smart card included. Laser wavelength is 905 nm.



PLUS

2



50

79

50

CE 0476

TECHNICAL FEATURES

Mains voltage:	230 Vac, 50-60Hz, ±10% 115 Vac, 50-60Hz, ±10% on request
Max. Power absorption:	15 VA
Interlock socket/Safety key:	3 contact DIN socket
Backlit LCD Display:	graphic b/w 320 x 240 pixel
Programmable treatment time:	up to 99 minutes
Diode Laser wave length emission:	905 nm
Laser classification EN 60825-1:	3B
Device class 93/42/CEE directive:	II B
Electrical insulation UNI EN 60601-1:	I / BF
Degree of protection by the liquid access UNI EN 60601-1:	IPX0
Programmable pulse frequency:	(200-10.000) Hz
Pulse duration:	100 nsec
Peak power for single diode:	25 W
	50 W
	100 W
	500 W

TARGET POINTING DEVICE CHARACTERISTICS:

Target pointing device characteristics:	Target pointing device UNI EN 60601-2-22	2 light-drive
	Light-drive device	Led-diode
	Light-drive color	Red
	Light-drive representation on the impact point	Spot with red as colour
Typology for emission of the treatment:	Laser-beam positioning:	Always to the centre of the simmetry axis of 2 red spots
		Manual emission
		Automatic emission
Output channels:		Continuous emission
Stored protocols:		2 independent
Storable protocols:		79
External size:		50
Weight:		39x13x32 (probe holders excluded)
		4.30 Kg

Standard Accessories

	Q.TY
Mains power supply cable	1
Fuses	2
Manual of therapies	1
MLA1 Laser probe 25mW	1
Safety laser goggles	2
Interlock connector	1
Smart-card	1

Optional Accessories

- EL0028 1 DIODE HANDPIECE - 25MW
- EL0029 1 DIODE HANDPIECE - 50MW
- EL0030 1 DIODE HANDPIECE - 100MW
- EL0031 3 DIODE HANDPIECE - 75MW
- EL0032 3 DIODE HANDPIECE - 150MW
- EL0033 3 DIODE HANDPIECE - 300MW
- EL0034 5 DIODE HANDPIECE - 125MW
- EL0035 5 DIODE HANDPIECE - 250MW
- EL0036 5 DIODE HANDPIECE - 500MW
- EL0037 8 DIODE HANDPIECE - 200MW
- EL0038 8 DIODE HANDPIECE - 400MW
- EL0039 8 DIODE HANDPIECE - 800MW
- EL0040 LASER ARM
- EL0041 LASER ARM
- EL0042 L1 ARM
- EL0043 L3-5-8 ARM
- EL0001 PERSONAL SMART CARD
- EL0016 CARRY CASE
- EL12003 TROLLEY
- 02098 LASER PROTECTIVE GOGGLES



Scanning Laser therapy

How does Scanning Laser therapy work?

Scanning laser therapy works in a similar physiological way to low-power contact laser therapy but it enables to treat larger areas than with contact treatment and it can be done automatically without the presence of an operator. This is possible by combining different powers, different wave lengths and the combined use of the two modes: continuous and pulsed. The FISIOLASER SCAN series unit are medical devices that emits treatments of laser-therapy, both in modality "scanning" through a laser heading, or in modality with probes through the aid of mono-diode and poly-diode probes for the emission of the treatment. The operational room of its use is normally out-patient / hospital / clinical, because the device must be used by the personnel adequately qualified by a medical point of view. The treatments of laser-acupuncture, also usable with the FISIOLASER SCAN series unit, is not covered by the CE0476 certification.

Advantages using scanning laser therapy

- Scanning laser units run in automatic mode, as they do not require an operator to be present.
- Using a scanning laser unit makes it possible to treat larger areas that when a contact laser is used.
- Automatic setting of the treatment area.
- Scanning area adjustable up to 400 cm²
- Possibility of connecting an external single/multidiode laser handpiece.

Treated pathologies

- Arthritis
- Bursitis
- Cervicalgia
- Cervico-arthrosis
- Contractures
- Contusions
- Oedemas
- Haematomas
- Epicondylitis
- Epitrocleitis
- Lumbago
- Backache
- Neuralgias
- Stretchings to the collateral ligaments of the knee
- Tendinitis and ulcers



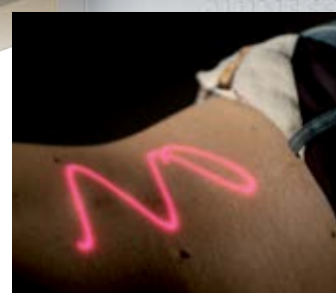
Mixed Scanning (rhomboidal)



Vertical Scanning



Horizontal Scanning



Horizontal and Vertical Scanning

EL12081 FISIOLASER SCAN 500

Trolley-mounted equipment for scanning laser therapy, power 500 mW. Laser emission 808 nm (pulsed and continuous)

EL12079 FISIOLASER SCAN HP4

Trolley-mounted equipment for scanning laser therapy, power 4 W (2+2). Two wavelength scanning laser device with two simultaneous laser sources: continuous laser emission (808 nm) and pulsed laser emission (940 nm) The combination of the two laser sources allows a high anti-inflammatory effect (808 nm) together with an analgesic effect (940 nm), allowing better results especially in acute phase diseases and with the presence of inflammation (lumbago, sprains, neck pain, etc...).

EL12080 FISIOLASER SCAN HP8

Trolley-mounted equipment for scanning laser therapy, power 8 W. It uses a wavelength of 940 nm, by means of a single 8 W diode.



TECHNICAL FEATURES

Mains voltage		230 Vac, 50-60Hz, ±10%
		115 Vac, 50-60Hz, ±10% (on request)
Max. Power absorption	500	25VA
	HP4	60VA
	HP8	60VA
Interlock socket/Safety key (contacts normally closed)		3 contact DIN socket
Backlit LCD Display		320 x 240 pixel, B/W
Programmable treatment time		up to 99 minutes
Diode Laser wave length emission	500	808 nm
	HP4	808 nm + 940 nm
	HP8	940 nm
Laser classification according to EN 60825-1	500	III B
	HP4	IV
	HP8	IV
Device class 93/42/CEE directive:		II B
Electrical insulation UNI EN 60601-1 standard:		I / BF
Degree of protection by liquid access:		IPX0
Programmable pulse frequency:		(200 ÷ 10000) Hz
Power at source - 200 Hz	500	12.5mW
	HP4	80mW
	HP8	160mW
Power at source - 10000 Hz	500	500mW
	HP4	4000mW
	HP8	8000mW
Output channels:		2 independents
Stored therapeutic suggestions		85
Storable therapeutic suggestions:		200
Dimensions:		39 x H168 x 43 cm
Weight:		35 Kg
TARGET POINTING DEVICE CHARACTERISTICS		
Target pointing device UNI EN 60601-2-22 standard		2 light-drive
Light-drive device:		Led-diode
Light-drive color		Red
Light-drive representation on the impact point		Spot with red as colour



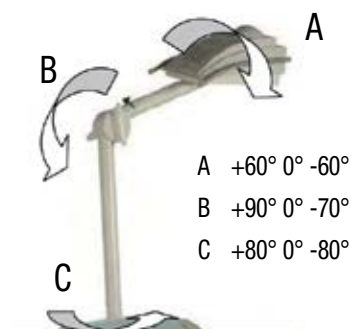
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Standard Accessories

	Q.TY
Mains power supply cable	1
Fuses	2
Manual of therapies	1
Laser protection goggles	2
Interlock connector	1
Smart Card	1

Optional Accessories

- EL0028 1 DIODE HANDPIECE - 25MW
- EL0029 1 DIODE HANDPIECE - 50MW
- EL0030 1 DIODE HANDPIECE - 100MW
- EL0031 3 DIODE HANDPIECE - 75MW
- EL0032 3 DIODE HANDPIECE - 150MW
- EL0033 3 DIODE HANDPIECE - 300MW
- EL0034 5 DIODE HANDPIECE - 125MW
- EL0035 5 DIODE HANDPIECE - 250MW
- EL0036 5 DIODE HANDPIECE - 500MW
- EL0037 8 DIODE HANDPIECE - 200MW
- EL0038 8 DIODE HANDPIECE - 400MW
- EL0039 8 DIODE HANDPIECE - 800MW
- EL0040 LASER ARM
- EL0041 LASER ARM
- EL0042 L1 ARM
- EL0043 L3-5-8 ARM
- EL0001 PERSONAL SMART CARD
- 02098 LASER PROTECTIVE GOGGLES



Magneto therapy



Introduction to Magneto therapy

Magneto therapy equipment generates a low frequency magnetic field (adjustable between 1 and 100 Hz) with an intensity up to 100 Gauss per individual output, which generates beneficial effects, especially in regenerating tissue and bone tissue. The biological action of the magnetic fields:

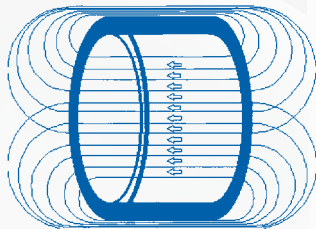
- Anti inflammatory and anti edemigena
- Analgesic action
- Stimulating action for tissue reparation

Other applications

- Skin wounds / ulcers
- Infections/Inflammations
- Muscle spasms / circulatory alterations
- Arthrosis, Rheumatism
- Stimulation of the hormonal and lymphatic system

Principal indications

- **Recent fractures that are slow to consolidate:** The magnetic fields stimulate osteogenetic activity at the fracture fissure, speeding up consolidation times for fractures in a very high percentage of cases. The process of healing bone discontinuity occurs by inducing a piezo-electrical effect in the connecting structures, and improving local circulatory conditions.
- **Pseudarthrosis:** It has been shown that magnetic fields are effective in treating pseudarthrosis.
- **Sudeck's disease and Osteoporosis:** Magneto therapy has been found to be effective in 80% of cases of Sudeck's disease and 70% of osteoporosis cases.
- **Inflammatory and degenerative arthropathy:** Magneto therapy is indicated for treating both inflammatory and degenerative type arthropathy. Positive results have been achieved with rheumatoid arthritis localized in the hands and knees, in spondylitis ankylopoietica, gonarthrosis, and lumbar arthrosis.
- **Obliterating arteriopathy:** Magnetic fields are effective in vascular pathologies, thanks to their effect on blood flow and micro circulation.
- **Decubitus wounds:** The biostimulating effect justifies the use of magneto therapy in this pathology. Very long treatments are required.
- **Psoriasis:** Psoriasis responds positively to this therapy in 60% of cases.



Magnetic Field Concentrator is an exclusively patented innovation who drastically reduces the electromagnetic contamination generated by solenoids for magnetic therapy – an appreciable improvement in both quality and safety in the workplace. The instrumental measurements showed that using the MFC patent the electromagnetic pollution of the surrounding space is reduced by more than 85%.

ACCESSORIES

2



EL0044 MAGNETO THERAPY COUCH

The specific treatment couch is provided without solenoids. Dimensions: 65 x 200 x H 67 cm; Weight: 40 kg



EL0045 SOLENOID 22

Solenoid to be used only with the specific treatment couch for magneto therapy – code EL0044. Dimensions: diam. 60 x 22 cm

EL0046 SOLENOID 36

Solenoid to be used only with the specific treatment couch for magneto therapy – code EL0044. Dimensions: diam. 60 x 36 cm



EL0047 LOCAL PADS

Twin pads for localised treatments. Can be used in paired mode to treat bigger areas, or in counteracting mode to concentrate the magnetic induction within a limited area. Dimensions 18 x 9 x 3,5 cm



EL0048 PORTABLE SOLENOID 30

The solenoid can be used to treat lower or upper limbs. The cylinder is portable and can not be fixed with the magneto therapy couch. Dimensions: diam. 30 x Depth 26 cm



EL0049 PORTABLE SOLENOID 50

The solenoid can be used to treat lower or upper limbs. The cylinder is portable and can not be fixed with the magneto therapy couch. Dimensions: diam. 50 x Depth 36 cm



EL0001 PERSONAL SMART CARD

It's possible to save customized treatments based on specific setting of parameters. Set of 10 pieces.



EL0016 CARRY CASE

Universal carry case for transport of portable unit. That's available for all Chinesport electro-medical equipment of the Excellent, Plus and Basic lines.



EL12003 TROLLEY

Trolley with tabletop and possibility of fixing non wheeled electromedical equipment and the arms.

Magneto therapy

EL12064 MAGNETO 2

The device allows to control the two output channels independently while also allowing to enable them simultaneously in "total body" treatments, at the operator's discretion.

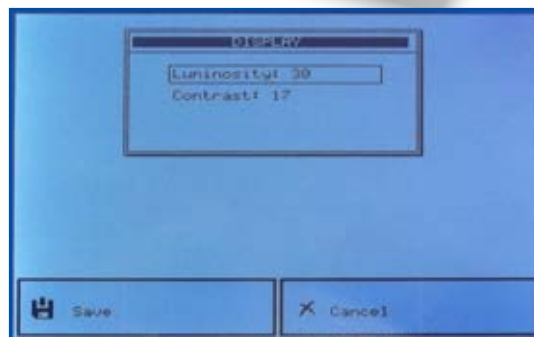
EL12065 MAGNETO 4

It allows to control all four output channels independently. For specific uses, more channels can be enabled sequentially at the operator's discretion. A SYNC configuration is also available that allows to enable all four channels simultaneously.



Distinctive elements

- Exclusive MFC Solenoid Patent (magnetic induction emitted outside the solenoid is drastically reduced, concentrating the magnetic force lines within the solenoid itself, thus affecting only the patient and not the operator).
- Easy to use: user friendly interface.
- Up to 100 therapeutic suggestions.
- Adjustable power up to 100 Gauss per each channel.
- Multilanguage software.
- Smart Card included.



TECHNICAL FEATURES

Mains power supply:		230 Vac, 50-60Hz, ±10%
		115 Vac, 50-60Hz, ±10% (on request)
Maximum Absorbed power:	Magneto 2	450 VA
	Magneto 4	900 VA
LCD display:		B/W 320 x 240 pixel
Programmable treatment time:		Up to 60 minutes
Duty Cycle adjustable:		(10÷100) %
Programmable treatment frequency:		(1÷100) Hz
Electrical insulation class EN 60601-1 standard:		I / BF
Device class 93/42/CEE directive:		II A
Degree of protection against the input of liquids UNI EN 60601-1:		IPX0
Maximum induction:		100 Gauss ± 20%
Output channels	Magneto 2	2 independent
	Magneto 4	4 independent
Stored protocols:		50
Storable protocols in the smart-card:		200
Storable protocols in the user memory:		200
Dimensions:		39 x 13 x 32 cm
Weight:		3,9 Kg

Standard Accessories

	Q.TY
Power supply cable	1
Fuses	2
Manual of therapies	1
Magnetic test ring	1
Smart Card	1

Optional Accessories

EL0001	PERSONAL SMART CARD
EL0016	CARRY CASE
EL0044	MAGNETIC THERAPY COUCH
EL0045	SOLENOID 22
EL0046	SOLENOID 36
EL0047	LOCAL PADS
EL0048	SHIELDED SOLENOID 30
EL0049	SHIELDED SOLENOID 50
EL12003	TROLLEY



EXAMPLE N. 1

The configuration shown is the combination of the following items:

EL12064	– MAGNETO 2	1 unit
EL0044	– MAGNETO THERAPY COUCH	2 pieces
EL0046	– SOLENOID 36	2 pieces

EXAMPLE N. 2

The configuration shown is the combination of the following items:

EL12064	– MAGNETO 2	1 unit
EL0044	– MAGNETO THERAPY COUCH	1 piece
EL0045	– SOLENOID 22	1 piece
EL0046	– SOLENOID 36	1 piece

Radar therapy

Radar Therapy is part of the range of Heat Therapies and uses electromagnetic waves to transmit heat into tissue in depth. The therapeutic effects of radar therapy are muscular heating, and an analgesic and trophic effect. Radar therapy is indicated in cases of muscular contraction, arthrosis, post-traumatic algia, tendinitis, etc. Medical use of microwaves is mainly based on the fact that the microwaves are selectively absorbed by tissues with high water content. They can therefore heat certain selective areas such as muscles for example, while the penetration and absorption at bone level is minimal. Once electromagnetic waves come in contact with organic tissue, they transform most of their radiating energy into heat (caloric energy) with different degrees of penetration mainly limited to muscular and peri-articular tissues (skin and subcutaneous, tendons, sheaths, muscle bands, synovia).

Therapeutic results

- Pain reduction
- Improvement of collagen extensibility
- Reduction of joint rigidity
- Reduction of edema and inflammatory exudates
- Increase in blood flow



ACCESSORIES



EL0027 THREE-DIMENSIONAL ANTENNA
Wrap-around field antenna, 50 x 20 x 18h cm



EL0026 RECTANGULAR ANTENNA
Long-field antenna, 47 x 12 x 7h cm



EL0001 PERSONAL SMART CARD
It's possible to save customized treatments based on specific setting of parameters. Set of 10 pieces.

EL12060 MICRORADAR PULS

It is a medical device that emits microwave-therapy treatments, with the auxilium of antennas for the emission of the treatment in continuous and pulsed operating modes.

Distinctive elements

- Easy to use: user friendly interface.
- New orthostatic arm manufactured with aluminum alloy and preloaded joints without manual adjustment.
- 100 therapeutic suggestions.
- Possible connection of the three-dimensional antenna for applications on the shoulder, neck, spine. The rectangular antenna can be connected too, for applications large areas such as upper and lower limbs, cervical area, spine.
- New system for fast antenna connection.
- Multilanguage software.
- Pulsed and continuous emission mode.
- Smart Card included.



PLUS

2

CE 0476

TECHNICAL FEATURES

Mains power supply:	230 Vac, 50-60Hz, ±10%
	115 Vac 50-60 Hz ±10%
Maximum mains power absorption:	600 VA
Backlit LCD:	B/W 320 x 240 pixels
Programmable treatment time:	up to 30 minutes
Emission frequency:	2450 MHz
Device class 93/42/CEE directive:	II B
Electrical insulation UNI EN 60601-1 standard:	I / BF
Degree of protection by the liquid access UNI EN 60601-1 standard:	IPX0
Operation continuous:	100%
Operation pulsed:	10% ÷ 90%
Continuous power peak:	250 W
Pulsed power peak:	1600 W
Stored protocols:	100
Storable protocols in the user memory:	200
Storable protocols in the smart-card:	200
Dimensions with arm and antenna NOT mounted:	39 x 112 h x 43 cm
Dimensions with arm and antenna mounted:	65 x 177 h x 43 cm
Weight with arm and antenna not mounted	34 Kg
Weight with arm and antenna mounted	38.5 Kg

Standard Accessories

	Q.TY
Power cable	1
Fuses	2
Manual of therapies	1
Pantograph arm	1
High frequency output cable	1
Circular antenna	1
Smart Card	1

Optional Accessories

- EL0001 PERSONAL SMART CARD
- EL0026 RECTANGULAR ANTENNA
- EL0027 THREE-DIMENSIONAL ANTENNA

Pressotherapy

Pressotherapy is a therapeutic massage that helps counteract oedema and improve circulation by activating pressure. This pressure is applied sequentially by treating lower limbs with oedema, water retention, and circulatory problems. Pressure therapy acts on venous and lymphatic circulation, making it more efficient as a result improving aesthetic blemishes such as cellulite, water retention, etc.

Therapeutic indications

- Circulatory insufficiency
- Lymphatic stasis
- Hydro-lypo-distrophy (cellulite)
- Lymphedema
- Reactive skin fibrosis
- Hard oedema
- Surgery after care
- Hypotonia

Fields of application:

- Dermatologic diseases
- Traumatology
- Sport Medicine
- Aesthetic Medicine



ACCESSORIES



EL0001 PERSONAL SMART CARD

The smart card memory can be used with the Excellent and Plus lines. It's possible to save customized treatments based on specific setting of parameters. These therapies can be used for a specific user or a group of patients affected by same pathology. Set of 10 pieces.



EL0067 UPPER LIMBS KIT 7 SECTORS

7-sector armband. Single item.



EL0178 UPPER LIMBS KIT 5 SECTORS

5-sector armband. Sold in pairs.

EL12066 ARTIPRESS

Pressure therapy equipment with 9 independent sectors. Pressure therapy is a therapeutic massage which helps fighting oedemas and improves blood circulation thanks to the application of a pressure. This pressure is applied in a sequential order to treat the inferior limbs suffering from oedema, water retention and circulatory problems. Pressure therapy acts on blood and lymphatic circulation helping it be more efficient and improving aesthetic blemishes such as cellulite, water retention, etc.

Distinctive elements

- 9 completely independent sectors.
- Maximum pressure 150 mm Hg for each sector.
- High quality kit points with herringbone pattern sectors.
- Independent pressure adjustment for each sector.
- Latex blister, independently replaceable.
- Alarm in case of failure of the sections
- Kit point damage control.
- Graphical display representation of the massage.
- More than 20 available protocols.



2



TECHNICAL FEATURES

Mains power supply:	230 Vac, 50-60Hz, ±10% 115 Vac, 50-60 Hz, ±10% (on request)
Maximum mains power absorption:	150 VA
LCD display:	B/W 320 x 240 pixel
Programmable treatment time:	up to 60 minutes
Number of pneumatic sectors (output):	9
Air capacity of the compressor:	25 lt/min
Compressor power:	106 VA
Maximum pressure delivered by the compressor:	3.5 atm
Maximum current absorbed by the compressor:	0.45 A
Device class 93/42/CEE directive:	I / BF
Electrical insulation UNI EN 60601-1 standard:	II A
Degree of protection by the liquid access UNI EN 60601-1 standard:	IPX0
Maximum pressure:	150 mm Hg
Stored protocols:	21
Storable protocols in the user memory:	100
Storable protocols in the smart-card:	100
External size:	39 x 43 x 122 h cm
Weight:	30 Kg

Standard Accessories

	Q.TY
Power cable	1
Fuses	2
Manual of therapies	1
Smart Card	1
Kit for lower limbs	1

Optional Accessories

- EL0001 PERSONAL SMART CARD
EL0067 UPPER LIMBS KIT

Traction therapy

09337 EUROTRAK TOUCH - TRACTION UNIT

This equipment can be used to perform lumbar and cervical tractions. Traction can be applied in a "static", "dynamic" or "intermittent dynamic" mode. A series of pre-set programs aimed at specific pathologies is available, with the option of storing up to 50 personalized treatments. The display visualizes all the parameters set at a certain time and any parameter value may be modified extremely easily and quickly if required. It has a 6" colour display with graphic interface that allows to keep under control the various stages of the treatment in real time, both during traction sessions and the pauses. Throughout their treatment, patients have access to an emergency stop button to stop traction if they wish to do so.



Therapeutic indications:

- Disc protrusion;
- Disc hernia;
- Hypomobility;
- Degenerative discopathy.



The EUROTRAK TOUCH electronic traction unit is designed to be used with a specific therapy table made by Chinesport or another manufacturer. In any case the traction unit needs an additional, purpose-built support frame, and we can provide technical drawing for the supporting metal plate. We propose two optional therapy tables to be combined with our electronic traction unit: the model called ALFATRAC is at fixed height, the alternative BETATRAC is with a frame height adjustment.



Option 1 - Eurotrak touch fitted to Betatrak table, with height adjustment.



Option 2 - Eurotrak touch fitted to Alfatrak table, with fixed height.

TECHNICAL FEATURES

Power voltage / frequency:	100-240V, 50/60 Hz
Input power:	80 VA
Maximum output force:	90 kg (Lumbar), 20 kg (Cervical)
Minimum output force:	1 kg (Lumbar), 1 kg (Cervical)
Regulation delta:	0.1 kg
Rope length:	95 cm
LCD screen resolution:	640x480
Rope durability:	1000 hours at least
Protection class:	I-BF
Directives:	93/42 / EEC, IEC 60601
Dimensions	41 x 44 x 18 h cm
Weight	15 kg

Standard Accessories

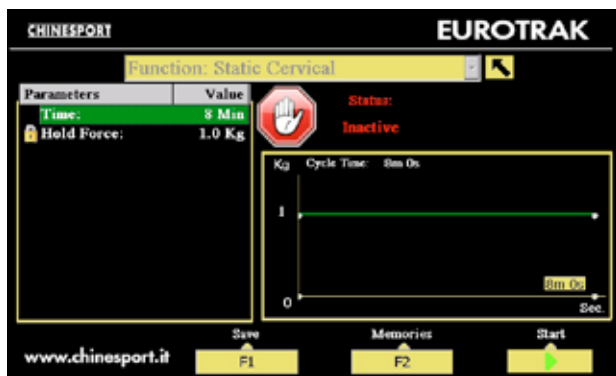
	Q.TY
Power cable (UK + EU)	2
Emergency stop button	1
Pack of screw	1

Optional Accessories

XW001.W? BETATRAC E
 XW002.W? BETATRAC H
 09324 ALFATRAC

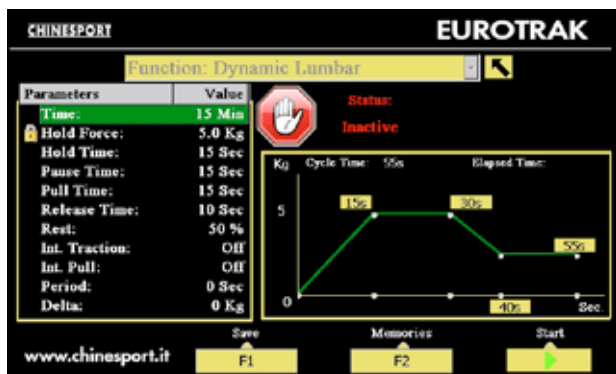


Operation Modes



Static

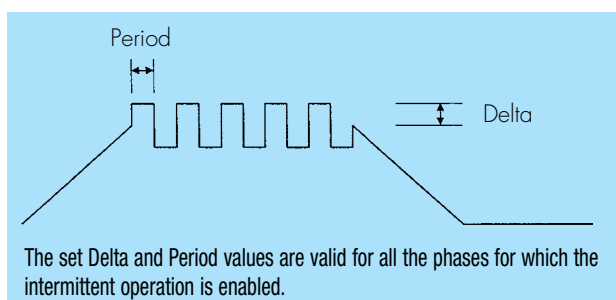
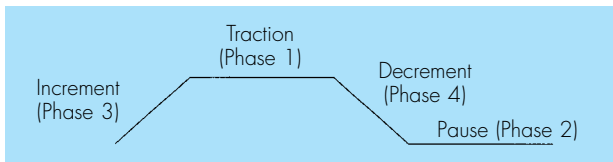
In static mode the unit exerts a steady force, equal to the set value, throughout the treatment.



Dynamic

In dynamic mode there are four phases as shown in the diagram while the table gives the parameters for each phase.

- | | |
|---------------------------|--|
| Phase 1: traction | <ul style="list-style-type: none"> • Traction time; • Traction force |
| Phase 2: pause | <ul style="list-style-type: none"> • Pause time; • Recovery: percentage of the traction force one wants to be maintained during the pause time |
| Phase 3: increment | <ul style="list-style-type: none"> • Increment speed: force increment speed, in kg/s, to change from the selected pause value (recovery) to the selected traction value |
| Phase 4: decrement | <ul style="list-style-type: none"> • Decrement speed: force decrement speed, in kg/s, to change from the selected traction value to the selected pause value (recovery) |



Dynamic intermittent

In dynamic mode, you can set the parameters related to the intermittent operation in the screen that appears when pressing the NEXT key. You can enable or disable the intermittent operating mode for each phase (the reference phases are those described in the previous paragraph). An instance of the intermittent operation is described in the diagram, with reference to the traction phase.

Traction therapy



XW001.W? BETATRAC E

Electric height adjustment traction table, with four sections, electric height adjustment by foot pedal. Lumbar and cervical tractions can be applied. The table is supplied with an additional removable support frame to be fitted to EUROTRAK TOUCH traction unit - code 09337. The head and leg sections can be easily adjusted via gas strut. The breathing hole plug comes as standard. Traction is performed using two chromed attachment elements to be fitted to the head section, two more padded supports to be used in the underarm area and a height-adjustable spreader bar to support the traction rope, all included. For lumbar tractions, there is a sliding section underneath that reduces rubbing between patient and couch surface. The table is also provided with straps in various sizes to perform tractions involving the cervical, pelvic and thoracic area, as well as with a few cushions so the patient can be comfortably positioned and a correct longitudinal traction of the spine is achieved. The table has four swiveling wheels with central locking system, and the base frame is height-adjustable thanks to four independent feet that allow for accommodating any unevenness in the floor.



XW002.W? BETATRAC H

Traction table with the same features as the XW001 table. The only difference is that the frame's height adjustment system is hydraulic.

TECHNICAL FEATURES

	Betatrac E	Betatrac H
Height adjustment type	Electric	Hydraulic
Height adjustment	min. 46 – max. 96 cm	
Power supply	Betatrac E	Betatrac H
	230V - 50/60 Hz	-
Head/leg section adjustment	Gas spring	
Casters braking system	Central by foot pedal	
Safe load	175 kg	
Table dimensions	196 x 64 x 46 ÷ 96 h cm	
93/42/EEC Class	I	

Standard Accessories

	Q.TY
Medium thoracic strap	1
Large thoracic strap	1
Medium pelvic strap	1
Large pelvic strap	1
Chin strap	1
Cervical cushion	1
Lumbar cushion	1
Trapezium tube	1

Optional Accessories

09337 EUROTRAK TOUCH - TRACTION UNIT

? CHOICE OF UPHOLSTERY COLOR - important: always specify the upholstery code along with the chosen item when this option is available.



Traction therapy

Made in Italy

2

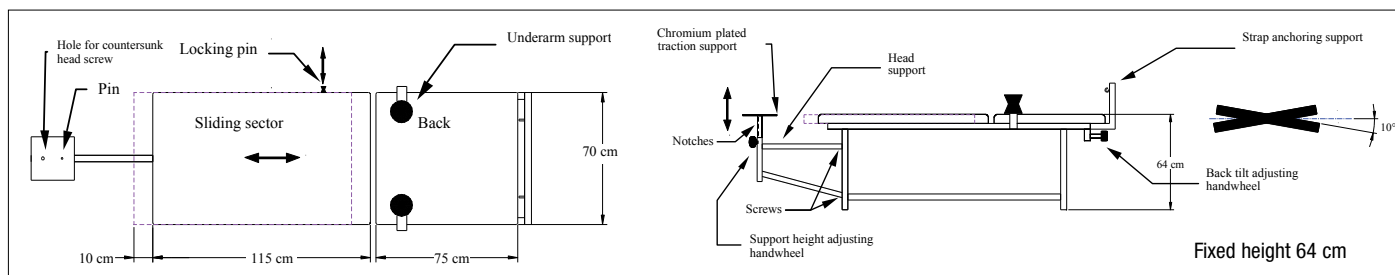


Eurotrak Touch is not included in the table supply

09324 ALFATRAC

Fixed height table specifically designed for tractions, with two sections and fixed height. The construction is made from coated metal with high density padding and synthetic leather upholstery. Both lumbar and cervical tractions can be applied. The table is supplied with a specific support frame to be fitted to the EUROTRAK TOUCH traction unit - code 09337 or other electronic device. The support plate is height-adjustable. The table has a chromed mini-frame with anchoring hooks fitted to the head section, two more padded supports for the underarm area and a height-adjustable spreader bar for the traction rope. For lumbar tractions, there is a sliding section underneath that reduces rubbing between patient and table surface. This section can also be tilted laterally by hand up to a 10° angle, so the trunk can be rotated during traction. The supply includes a series of straps in various sizes for application to the cervical, pelvic and thoracic area, and some cushions so the patient can be comfortably positioned and a correct longitudinal traction of the spine is achieved.

Note: the postural cushions included in the standard supply come in the same color as the table upholstery, unless otherwise specified.



TECHNICAL FEATURES

Head/trunk section	Sliding on tracks
Head section lateral tilt	10°
Eurotrak traction unit support	Height-adjustable
Safe load	135 Kg
Dimensions	190 x 70 x 64 h cm
93/42/EEC Class	I

Standard Accessories

	Q.TY
Medium thoracic strap	1
Large thoracic strap	1
Medium pelvic strap	1
Large pelvic strap	1
Chin strap	1
Cervical cushion	1
Lumbar cushion	1
Trapezium tube	1

TENS and electrostimulation



104062 TENS ECO 2

TENS digital unit with 2 channels. The TENS ECO 2 includes 12 pre-set programs (such as burst, frequency modulation, muscle stimulation, dynamic stimulation, HAN stimulation) and 12 programs adjustable by the user. The TENS ECO 2 combines high quality pain relief with modern and friendly design.

- Integrated rechargeable battery : The TENS ECO 2 works with an integrated rechargeable battery which reduces the long time cost for batteries for both patients and therapists.
- Intensity : The intensity of TENS ECO 2 can be raised in steps of 0.5 mA in order to guarantee a comfortable stimulation for the patient.
- Parameters : The parameters of each program are displayed on the upper left corner of the TENS ECO 2 for a more convenient program selection.

Features

- Digital 2-channel TENS unit • 12 pre-set programs for pain management, muscle stimulation and relaxation • 12 free programs for own settings TENS stimulation programs: burst, low/high frequency, frequency modulation • Special HAN stimulation program for highest levels of pain relief • 1 pre-set + 1 free program for muscle stimulation • Dynamic stimulation program for relaxation and massage • Blue LCD display • Interlocking the keypad for increased safety • Integrated AKS (controlled output short circuit) for improved skin protection • Neck band for easy home use

SPARE PARTS

- 106351 Cable 5.15, 2 pieces
- 283400 Electrodes 50x50 mm, 4 pieces
- 104776 Battery charger WK 112
- Carrying case

OPTIONAL ACCESSORIES

STIMEX ELECTRODES • LUMBAR BELT (Medico Back)

TECHNICAL FEATURES

Output current:	100 mA (with 1 kOhm real)
Frequency range:	0,5 - 120 Hz
Pulse width:	50 x 400 µs
Power supply:	integrated rechargeable batteries Ni-mH 4.8 V
Conformity:	Complies with CEE 93/42
Dimensions:	114 x 59 x 27 mm
Weight:	approx. 300g



101064 SPORÉCUP XTR4

The SPORÉCUP XTR4 is a 2x2 channels TENS/EMS stimulator dedicated to athletes who want to use electro-stimulation as a tool for muscle regeneration after intensive training or sports competition. It offers the advantage of a 4 channels unit (stimulation with up to 8 electrodes) in a small case. The SPORÉCUP XTR4 is further an excellent alternative to classic muscle training when it is not possible e.g. due to injuries. The 30 pre-set programs are divided in the following categories:

- Recovery programs for muscular regeneration after efforts
- Relaxation program for dynamic massage
- Pain relief programs
- Muscle training / Sport programs for muscular stimulation
- Rehabilitation program to prevent atrophies
- Capillarisation programs to prevent cramps
- Fitness programs to return to sport after a pause and toning specific body areas
- Aesthetics programs e.g. for treating cellulitis

Features:

- 30 pre-set programs. Adjustable stimulation intensity through two double channels • Battery charge level on display • Interlocking the keypad for increased safety • Integrated rechargeable battery Ni-mH 4.8 V • Integrated AKS (controlled output short circuit) for improved skin protection

SPARE PARTS

- 106351 Cable 5.15, black
- 106352 Cable 5.15, gray
- 106353 Cable 5.15, red
- 106354 Cable 5.15, yellow
- 283400 Electrodes 50x50 mm, 4 pieces
- 104776 Battery charger
- Carrying case

OPTIONAL ACCESSORIES

STIMEX ELECTRODES • LUMBAR BELT (Medico Back)

TECHNICAL FEATURES

Output current:	max. 100 mA (with 1 kOhm real)
Frequency range:	1 - 120 Hz
Pulse width:	50 - 400 µs biphasic
Power supply:	integrated rechargeable batteries Ni-mH 4.8 V
Conformity:	Complies with CEE 93/42
Dimensions:	12 x 7.5 x 3.5 cm
Weight:	250 g

STIMEX SELF-ADHESIVE ELECTRODES

The STIMEX electrode is a very flexible and easy to fit self-adhesive electrode that can be applied to every contour of the human body. The Stimex can be used many times because of its reliable and long lasting gel. The unique gel used with the electrode is very cost effective and provides excellent current distribution on the entire electrode.



ADHESIVE ELECTRODES

281000 STIMEX 32 MM CIRCULAR, 4 PIECES

282000 STIMEX 50 MM CIRCULAR, 4 PIECES

283400 STIMEX 50X50 MM, 4 PIECES

283600 STIMEX 50X90 MM, 2 PIECES

283000 STIMEX 50X130 MM, 2 PIECES

283100 STIMEX 80X130 MM, 2 PIECES

MEDICOBACK

Lumbar belt with integrated electrodes and pelote to use with TENS. MedicoBack offers to patients at the same time support and stabilization of the lumbar vertebrae and the TENS stimulation through the electrodes. The pelote with his balls massage enhances the analgesic effect of MedicoBack. It can be used for acute pain, chronic lightweight and also of the lumbar area.



MEDICOBACK

107034 MEDICOBACK P - TYPE S (80-90 CM)

107036 MEDICOBACK P - TYPE M (90-100 CM)

107037 MEDICOBACK P - TYPE L (100-110 CM)

107038 MEDICOBACK P - TYPE XL (110-120 CM)

107039 MEDICOBACK P - TYPE XXL (120-130 CM)

MEDICOBACK SPARE PARTS:

104762 Pelote

104764 Pelote cover without electrodes

104774 Pelote cover with electrodes

107042 Gel cushions, 4 pieces

BENEFITS

- Drug-free pain relief
- Low back support
- No side effects
- Quick and easy handling
- To be used in resting position or exercise

INDICATIONS

- Spondylarthrosis of the lumbar vertebrae
- Instability resulting from degenerative lumbar vertebrae
- Low back pain with muscular insufficiency
- Lumbago with nerve root syndrome
- Slipped inter-vertebral disk, herniated disk
- All other kinds of low back pain





IR

EL13071 CALOR LAMP

Lamp for IR-ray treatments mounted on a wheeled height-adjustable stand. Positioning by means of a swivel articulated arm. Power 400W.

THERAPEUTIC INDICATIONS :

- Use in orthopedic field : treatment of arthritis, lumbago, rheumatism, sprains.

OPTIONAL ACCESSORIES

EL0183 IR GENERATOR REPLACEMENT

TECHNICAL FEATURES

Power supply:	230V 50/60 Hz
Rated power:	400W
IP Protection:	IP 24
IEC Safety class:	Class I Type B
Directive:	CEI 62.39
Weight:	3 Kg
Max height	105 cm
Parabolic reflector diameter	21 cm
IR-A emissions:	(760/1.500nm 79%)
IR-B emissions:	(1500/3.000nm 8%)
IR-C emissions:	(3000nm 1%)
UV emissions:	n/a



IR

EL0157 INFRA LAMP 750

The device is equipped with 3 IR lamps of 250W 230V each one, placed on a base with wheels. It's possible to regulate the inclination of the lamps. This device can be programmed for a functioning until 15 minutes. When the programmed time is over, there is an automatic switching off. Each IR lamp has a switch for independent switching on/off. Mechanical timer for treatments up to 15 minutes. This device can be used only under medical supervision or professional supervision.

THERAPEUTIC INDICATIONS:

- Use in orthopedic field : treatment of arthritis, lumbago, rheumatism, sprains, and generally where a penetrating heat source is needed.
- Use in physiotherapeutic field : massage preparation and body heating for a better absorption of creams by the skin.
- Heating : in cold rooms it's possible to obtain an immediate heating for the irradiate person.

OPTIONAL ACCESSORIES

EL0184 IR GENERATOR REPLACEMENT

TECHNICAL FEATURES

Power supply:	230 V, 50/60 Hz
Rated power:	3x250 W
IP Protection:	IP 20
Directive:	CEE 93/42 Class II A
IEC Safety class:	Class I Type B
Lamp holder dimensions:	55 x 15 x 21 cm
Adjustable height:	from 82 to 152 cm
Weight:	14 kg
IR intensity single lamp - at 20 cm:	340 mW/cm ²
IR intensity single lamp - at 30 cm:	170 mW/cm ²
IR intensity single lamp - at 40 cm:	100 mW/cm ²
IR intensity single lamp - at 50 cm:	70 mW/cm ²

CE



EL13070 SPECIAL LAMP

Lamp for UV-and IR-ray treatments mounted on a wheeled height-adjustable stand. Positioning by means of a swivel articulated arm. Power 550W.

THERAPEUTIC INDICATIONS :

- (UV) Use in dermatologic field : treatment of skin affections such as psoriasis, vitiligo, acne, mycoses, herpes, baldness, pityriasis, etc.;
- (UV) Use in orthopedic field: antirachitic action by vitamin D production, osteoporosis cure, treatment of fractures, etc.
- (IR) Use in orthopedic field: treatment of arthritis, lumbago, rheumatisms, sprains.

OPTIONAL ACCESSORIES

EL0179 UV GENERATOR REPLACEMENT

EL0180 IR GENERATOR REPLACEMENT

TECHNICAL FEATURES	
Power supply:	230V 50/60 Hz
Rated power:	550W
IP Protection:	IP 24
IEC Safety class:	Class I Type B
Directive:	CEI 62.39
Weight:	3 Kg
Max height	105 cm
Parabolic reflector diameter	21 cm
IR-A emissions:	(760/1.500nm 79%)
IR-B emissions:	(1500/3.000nm 8%)
IR-C emissions:	(3000nm 1%)
UV emissions:	Between 253,6nm - 365nm



EL13072 PROFESSIONAL LAMP UV+IR

Professional lamp for UV- and IR-ray treatments mounted on a wheeled height-adjustable stand. Total power 1000W.

LAMP IS EQUIPPED WITH:

- Column and relative securing rings, nut and top cover.
- The lamp is mounted on a stand
- Circuits and commands
- Cap provided with generators for UV rays and for IR rays and with adjustable arm and securing sleeve.

Applies to directive CEI 62,39

OPTIONAL ACCESSORIES

EL0181 UV GENERATOR REPLACEMENT

EL0182 IR GENERATOR REPLACEMENT

TECHNICAL FEATURES	
Power supply:	230 V 50/60 Hz
Rated power:	1000 Watt
IR rated power:	650 W
UV rated power	350 W
IP Protection:	IP 24
Directive:	CEI 62.39
IEC Safety class:	Class I Type B
Dimensions	211 x 37 x 70 cm
Parabolic reflector diameter	28 cm
Weight:	13 Kg
UV emissions:	Between 253,6nm - 365nm

Thermotherapy



CE

EL0073 SANISOL BS

This high performance device is fitted for professional use, where a long-daily operation on more patients is needed. This lamp can be programmed for a functioning until 15 minutes. When the programmed time is over, there is an automatic switching off. Thanks to UV and IR separate operation, this device has many different applications. It has a vertical and horizontal regulation and the helmet can be inclined to irradiate every part of the patient's body. Mounted on a wheeled height-adjustable stand, fitted with tilting arm.

Caution: This device can be used only under medical supervision or professional supervision.

THERAPEUTIC INDICATIONS

- (UV) Use in dermatologic field : treatment of skin affections such as psoriasis, vitiligo, acne, mycoses, herpes, baldness, pityriasis, etc.;
- (UV) Use in orthopedic field: antirachitic action by vitamin D production, osteoporosis cure, treatment of fractures, etc.
- (IR) Use in orthopedic field: treatment of arthritis, lumbago, rheumatism, sprains.

OPTIONAL ACCESSORIES

- EL0185 IR GENERATOR REPLACEMENT
- EL0186 UV GENERATOR REPLACEMENT

TECHNICAL FEATURES

Power supply	230 V 50 Hz
IR rated power:	950 W
UV rated power:	550 VA
IP Protection:	IP 20
Directive:	CEE 93/42 Class II B
IEC Safety class:	Class I Type B
Weight:	22 Kg
Parabolic reflector diameter	32 cm
Jutting out arm length:	45 cm
Adjustable height range:	200 cm
Adjustable arm tilt	> 90°



CE

EL15077 SUNLAMP 70 UVB

The ultraviolet radiation is obtained with 4 pressure fluorescent tube type Philips TL 20W/01 whose emission is particularly concentrated into UVB radiations zone (peak at 311nm). This lamp can be programmed for a functioning until 30 minutes (10 minutes for UVAB version) by a digital timer. When the programmed time is over, there is an automatic switching off. This device is equipped with a rotating base and tilting head for horizontal positioning. Applies to CE 93/42.

Caution: This device can be used only under medical supervision or professional supervision.

THERAPEUTIC INDICATIONS:

- Use in dermatologic field: phototherapy for the treatment of skin affections such as psoriasis, vitiligo, baldness, atopic dermatitis, itching.
- Use in orthopedic field: anti-rickets action by vitamin D production, osteoporosis cure, treatment of fractures.

OPTIONAL ACCESSORIES

- EL0187 UVB GENERATOR REPLACEMENT

TECHNICAL FEATURES

Power supply:	230 V 50 Hz
Rated power:	4x20W
IP protection	IP21
Directive:	CE 93/42 II A
IEC Safety class:	Class II Type B
Fluorescent tubes length:	60 cm
Dimensions of lamp box:	36 x 11 x 75 cm
Weight:	14 Kg

Chinesport, just a click away

Chinesport's website has also been designed and set up for those using mobile phones or iPads, not necessarily because they are out-and-about or travelling, but because they wish to know more about it while using our catalogue or other documentation. We are constantly involved in publishing new detailed information, photos (now even bigger), videos and multimedia files that are worth sharing. Finally, the website also provides a guide to putting the code together for a product made up of a number of parts.



A hand holding a smartphone displaying the Chinesport website's configurator interface. The screen shows a product image, the model number 'LS384', and a list of configuration options: 'REGOLAZIONE IN ALTEZZA', 'RUOTE E SPONDINE', 'RIVESTIMENTO', and 'COLORE RIVESTIMENTO'. A 'METTI A CARRELLO' button is visible at the bottom. In the background, several tablets are shown, each displaying different views of the website's interface. A hand is seen interacting with one of the tablets.

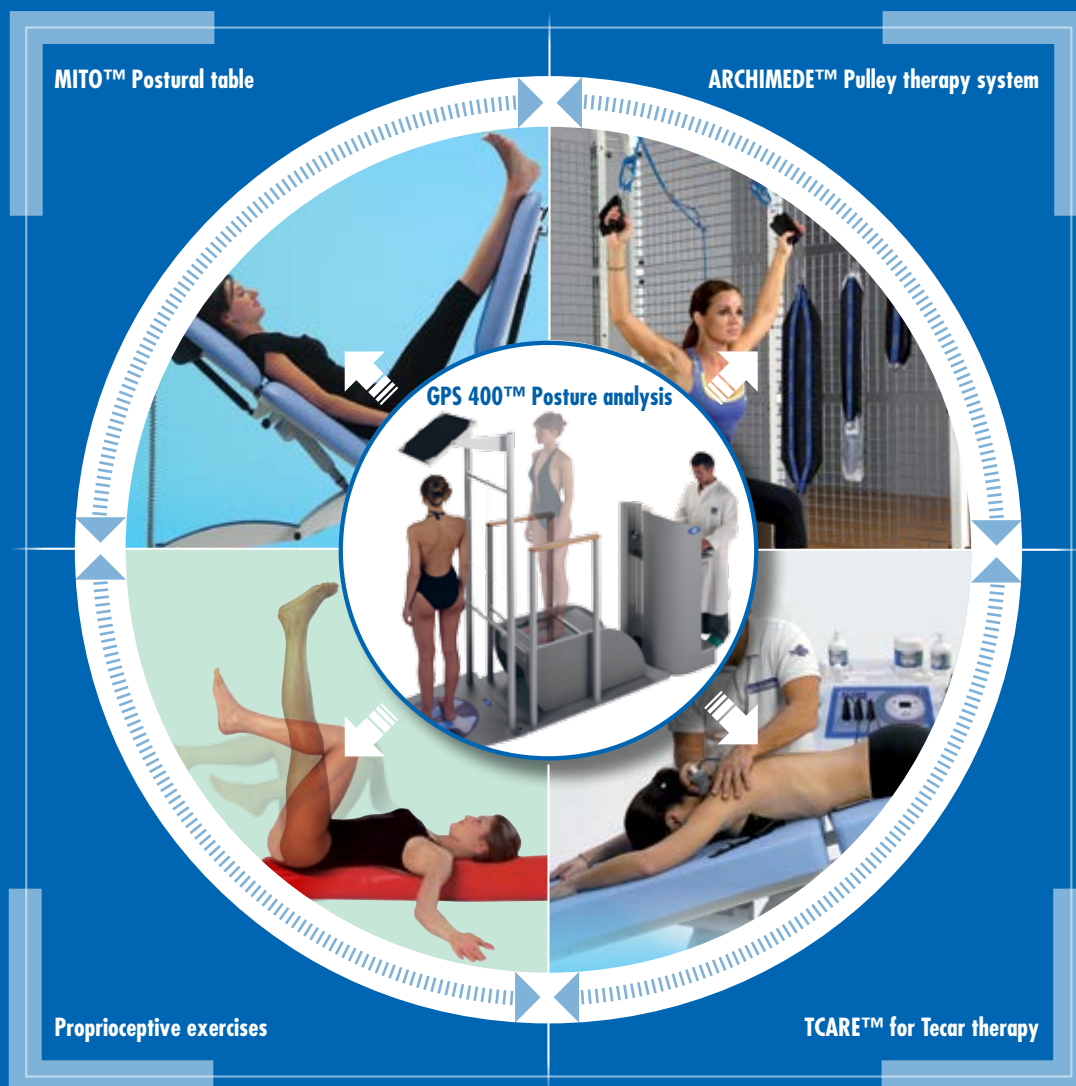
**Point,
and explore
the video!**



HEALTHY POSTURE FOR HEALTHY MOVEMENT

The underlying causes of many acute or overuse injuries are often not treated using a conventional diagnostic and therapeutic approach, leading to frequent reinjury and treatment failure. Many leading therapists have discovered that treating the patient's global posture is the key to a successful, fast and efficient treatment regime. Performing a detailed posture analysis is an essential part of a more holistic therapeutic approach and treatment strategy.

The Healthy Posture for Healthy Movement training courses package gets you off to a flying start with the Chinesport Global Posture System equipment range. Different level courses are based on the latest evidence in posture analysis and treatment of posture related disorders and injuries, each developed and continuously updated by experts with many years of experience using Chinesport Global Posture System equipment. The basic course explains how they use the equipment in order to diagnose interregional dependencies that underlie existing musculoskeletal disorders or increase risk of injury and decreased physical performance. This enables practitioners to quickly and easily understand how to improve treatment protocols and increase therapeutic success. The advanced modules introduce treatment concepts for various postural disorders and injuries, based on many years of practical experience and know how.



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