The new handpiece stands out for its marked ergonomics and functionality. So balanced and practical to offer the double handle mode: on the upper part of the barrel and at the lower end like a pen. The new pneumatic system produces a stronger and more effective shot.
Il nuovo manipolo è stato minuziosamente disegnato per permettere all'operatore di effettuare il trattamento in assoluta comodità consentendo la doppia impugnatura: nella parte superiore o ad inforco (ideale per accompagnare il massaggio). Con HR Tek è possibile lavorare in modalità resistiva, capacitiva e bipolare (senza bisogno della piastra di ritorno).

Tutti gli elettrodi possono essere equipaggiati con un innovativo sistema di isolamento che impedisce il passaggio delle onde elettromagnetiche tra elettrodo e mano dell’operatore.

The new handpiece has been meticulously designed to allow the operator to carry out the treatment in absolute comfort. Two handle modes: on the upper part or as massage probe. With HR Tek it is possible to work in resistive, capacitive and bipolar mode (without the need of the return plate).

All the electrodes can be equipped with an innovative isolation system that blocks the transmission of electromagnetic waves to the operator.

Il manipolo è dotato di un pratico sistema di distanziamento che permette di avere ben 4 spot diversi senza cambiare applicatore.

Extreme emission efficiency and precision: these are the key features of Crystal Yag and Bipower Lux, two cutting-edge high-power laser devices 100% made in Italy. The laser sources as well are the result of years of research by our R&D department. They are produced internally and both the level of emission and energy are controlled by the power board.

The handpiece is equipped with a practical spacing system that allows to have 4 different spot sizes without changing the applicator.
## CARATTERISTICHE // FEATURES

<table>
<thead>
<tr>
<th>Materiale</th>
<th>Poliuretano</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>Touch screen 10.1&quot;</td>
</tr>
<tr>
<td>Dimensioni</td>
<td>410 mm x 395 mm</td>
</tr>
</tbody>
</table>

### SHOCKMED vs SHOCKMED SP

<table>
<thead>
<tr>
<th>Pressione massima</th>
<th>Maximum power</th>
<th>5 bar</th>
<th>4 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequenza massima</td>
<td>Maximum frequency</td>
<td>20 Hz</td>
<td>15 Hz</td>
</tr>
<tr>
<td>Modalità emissione</td>
<td>Emission mode</td>
<td>Continua auto/manuale - Burst auto/manuale - Singola Continuous auto/manual - burst auto/manual - single</td>
<td></td>
</tr>
<tr>
<td>Trasmettitori</td>
<td>Transmitters</td>
<td>9 mm, 15mm focalizzato, 15 mm multifocalizzato 9mm, 15 mm focused, 15 mm multifocused</td>
<td></td>
</tr>
</tbody>
</table>

### CRYSTAL YAG vs CRYSTAL YAG SP

<table>
<thead>
<tr>
<th>Lunghezza d’onda</th>
<th>Wavelength</th>
<th>1064 nm</th>
<th>1064 nm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potenza nominale</td>
<td>Nominal power</td>
<td>18 W</td>
<td>9 W</td>
</tr>
<tr>
<td>Modalità emissione</td>
<td>Emission mode</td>
<td>Pulsata e continua Pulsed and continuous</td>
<td></td>
</tr>
<tr>
<td>Duty cycle</td>
<td></td>
<td>10-100%</td>
<td>10-100%</td>
</tr>
</tbody>
</table>

### BIPOWER LUX vs BIPOWER LUX SP

<table>
<thead>
<tr>
<th>Lunghezza d’onda</th>
<th>Wavelength</th>
<th>808 nm + 980 nm</th>
<th>808 nm + 980 nm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potenza nominale</td>
<td>Nominal power</td>
<td>14 W</td>
<td>9 W</td>
</tr>
<tr>
<td>Modalità emissione</td>
<td>Emission mode</td>
<td>Pulsata e continua Pulsed and continuous</td>
<td></td>
</tr>
<tr>
<td>Duty cycle</td>
<td></td>
<td>10-100%</td>
<td>10-100%</td>
</tr>
</tbody>
</table>

### HR TEK vs HR TEK SP

<table>
<thead>
<tr>
<th>Potenza</th>
<th>Power</th>
<th>250 W</th>
<th>250 W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modalità</td>
<td>Mode</td>
<td>Atermia, omeoterapia, ipoterapia Athermy, omeothermy, hyperthermy</td>
<td></td>
</tr>
<tr>
<td>Frequenza</td>
<td>Frequency</td>
<td>445 kHz - 900 kHz - 1.2 MHz - 445 kHz</td>
<td>445 kHz</td>
</tr>
<tr>
<td>Skin touch control</td>
<td>x</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Elettrodi</td>
<td>Electrodes</td>
<td>30-50-70 mm</td>
<td>30-50-70 mm</td>
</tr>
</tbody>
</table>

**Note:** The information provided is based on the visible content in the image and may not reflect the most current specifications. For the latest details, please refer to the manufacturer's official documentation.
STRONG POINTS

Performances at the highest level
Easier operation
Ergonomic and functional handpieces
Simple storage of accessories
Attractive design
Excellent energy transfer
Software user friendly con touch screen

SOFTWARE

A REVOLUTIONIZED SOFTWARE:
The new hardware combined with the new software boosts the performances to the maximum level, allowing a better energy transfer.

Navigabilità migliorata
Improved navigability
Velocità estrema
Extreme speed
User friendly al 100%
100% user-friendliness
Independent management of the two wavelengths by acting on POWER/FREQUENCY/DUTY CYCLE.

Chance to choose the precise area to treat.
Electrotherapy is mainly used for:

- Training of the neuromuscular system
- Modulation of pain
- Control or reduction of spasticity
- Transdermal release of medicinal substances
- Improvement or maintenance of joint mobility
- Promotion of wound healing
- Resolution of the edema

<table>
<thead>
<tr>
<th>Waveform</th>
<th>Therapic 9200</th>
<th>Therapic 9400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monophasic</td>
<td>max 70 mA/70 V</td>
<td>max 70 mA/70 V</td>
</tr>
<tr>
<td>Diphasic</td>
<td>max 70 mA/70 V</td>
<td>max 70 mA/70 V</td>
</tr>
<tr>
<td>Sync. Monophasic</td>
<td>max 70 mA/70 V</td>
<td>max 70 mA/70 V</td>
</tr>
<tr>
<td>Sync. Diphasic</td>
<td>max 70 mA/70 V</td>
<td>max 70 mA/70 V</td>
</tr>
<tr>
<td>Short period</td>
<td>max 70 mA/70 V</td>
<td>max 70 mA/70 V</td>
</tr>
<tr>
<td>Long period</td>
<td>max 70 mA/70 V</td>
<td>max 70 mA/70 V</td>
</tr>
<tr>
<td>Rectangular</td>
<td>max 100 mA/100 V</td>
<td>max 100 mA/100 V</td>
</tr>
<tr>
<td>Exponential</td>
<td>max 100 mA/100 V</td>
<td>max 100 mA/100 V</td>
</tr>
<tr>
<td>Triangular</td>
<td>max 100 mA/100 V</td>
<td>max 100 mA/100 V</td>
</tr>
<tr>
<td>Traebert</td>
<td>max 100 mA/100 V</td>
<td>max 100 mA/100 V</td>
</tr>
<tr>
<td>Rectangular faradic</td>
<td>max 80 mA/80 V</td>
<td>max 80 mA/80 V</td>
</tr>
<tr>
<td>Modulated faradic</td>
<td>max 100 mA/100 V</td>
<td>max 100 mA/100 V</td>
</tr>
</tbody>
</table>

- Triangular neodynamic: max 80 mA/80 V
- Neodynamic: max 80 mA/80 V
- Tens: max 100 mA/100 V
- Tens S/A/R: max 100 mA/100 V
- Tens random S/A/R: max 100 mA/100 V
- Tens burst S/A/R: max 100 mA/100 V
- Biphasic S/A: max 100 mA/100 V
- Galvanic: max 50 mA/50 V
- Iontophoresis: max 50 mA/50 V
- Kotz (Russian stimulation): max 100 mA/100 V
- Interferential: max 100 mA/100 V
- Classic Interferential: max 100 mA/100 V
- Isoplanar Interferential: max 100 mA/100 V
- Vectorial Interferential: max 100 mA/100 V

Therapic 9400 - TH1313

Therapic 9200 - TH1312
Vacuum therapy uses the effect of vacuum associating an improvement in microcirculation, an anti-inflammatory and detoxifying action.

Vacuum therapy is ideal for the treatment of all vascular diseases affecting the lower limbs: arteriosclerosis, Buerger’s disease, Raynaud’s syndrome; and moreover of all the forms that involve venous and/or lymphatic insufficiency such as lymphedema and phlebolymphedema.

Vacuumed can be connected to combined devices (Combimed 2200-4000) and electrotherapy devices (Therapic 9200-9400) for combined treatments.
### Technical features

<table>
<thead>
<tr>
<th>Features</th>
<th>Therapic 9200</th>
<th>Therapic 9400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation</td>
<td>Constant Voltage Constant Current</td>
<td>Constant Voltage Constant Current</td>
</tr>
<tr>
<td>Peak power</td>
<td>100 V</td>
<td>100 V</td>
</tr>
<tr>
<td>Peak current</td>
<td>100 mA</td>
<td>100 mA</td>
</tr>
<tr>
<td>Independent output channels</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Stored protocols</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Storable protocols</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>Ultrasound and vacuumtherapy connection</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Display</td>
<td>Graphic colour 320 x 240 px Touch &amp; Scroll</td>
<td>Graphic colour 320 x 240 px Touch &amp; Scroll</td>
</tr>
<tr>
<td>Dimensions - Weight</td>
<td>39 x 14 x 30 cm - 4.4 kg</td>
<td>39 x 14 x 30 cm - 4.4 kg</td>
</tr>
</tbody>
</table>

### Supplied accessories

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Therapic 9200</th>
<th>Therapic 9400</th>
</tr>
</thead>
<tbody>
<tr>
<td>60x85 mm electrodes</td>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td>Sponges for 60x85 mm electrodes</td>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td>50x50 mm electrodes</td>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td>Sponges for 50x50 mm electrodes</td>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td>10 cm elastic band</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>6 cm elastic band</td>
<td>2</td>
<td>4</td>
</tr>
</tbody>
</table>

### Features

<table>
<thead>
<tr>
<th>Features</th>
<th>Vacuumed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperatures range</td>
<td>(+110 : + 40) °C</td>
</tr>
<tr>
<td>Depression</td>
<td>(0 : 0.6) bar</td>
</tr>
<tr>
<td>Maximum pulses with full scale frequency</td>
<td>60 with minimum suction intensity</td>
</tr>
<tr>
<td>Output channels</td>
<td>15 with maximum suction intensity</td>
</tr>
<tr>
<td>Output channels</td>
<td>2</td>
</tr>
<tr>
<td>Dimensions - Weight</td>
<td>31x11x35.5 cm - 6.4 kg</td>
</tr>
</tbody>
</table>

### Supplied accessories

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Vacuumed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vacuum cups Ø 60 mm</td>
<td>4</td>
</tr>
<tr>
<td>Vacuum sponges Ø 60 mm</td>
<td>8</td>
</tr>
<tr>
<td>Link cable for vacuum-electrotherapy combined use</td>
<td>1</td>
</tr>
</tbody>
</table>
**Electrotherapy**
Electrotherapy exploits biological effects from electrical energy for therapeutic purposes and it is mainly used for:

- Training of the neuromuscular system
- Modulation of pain
- Control or reduction of spasticity
- Transdermal release of medicinal substances
- Improvement or maintenance of joint mobility
- Promotion of wound healing
- Resolution of the edema

**Ultrasound**
The application of ultrasound results in a high-frequency cellular and intercellular massage action. Also the tissues irradiated with ultrasound enter into vibration, the result is an expenditure of energy with consequent production of heat. It also occurs the cavitation phenomenon that activates the oxidation and polymerization processes. Ultrasounds are mainly used for pain reduction.

The combined treatment, electrotherapy + ultrasound, adds the analgesic and hyperemic effect of the electrical stimulus to the mechanical and thermal effect of ultrasound.

**Laser LLLT**
Laser therapy is based on photochemical and photobiological effects in cells and tissues. Laser light stimulates the mitochondria of the cell, recharging it with energy and regenerating it in the case of traumatic situations.

- Anti-inflammatory effect
- Effects on the peripheral nervous system (antalgic and regenerative effect)
- Biostimulating effect and tissue regeneration
- Effect on microcirculation and on blood vessels: the laser improves local microcirculation giving relief from local spasms of the arteriolar and venular vessels
- Enzymatic photoactivation effect
3 + 1 technologies
Combined 4000 is a physiotherapy platform equipped with 3 technologies:
ultrasound + electrotherapy + LLLT laser

Also compatible with Vacuumed vacuum therapy for an even more complete therapy.

Multitherapy mode
The multitherapy protocols use ultrasound, electrotherapy and laser therapy sequentially. In this way it is possible to take the maximum advantage of each technology and treat different pathologies effectively.

Combined mode
Electrotherapy and ultrasound can be used simultaneously in combined protocols.

Software with anatomical library
The software has been designed to be intuitive and functional. You can select the “free procedure” and set the desired parameters for the therapy or use preset protocols by selecting the anatomical area to be treated. Each protocol has an “Online help” that contain indications for an optimal treatment.

LSE Laser Safety Eyes patent
Laser delivery starts only when the lens is brought closer to the skin, ensuring greater safety for the patient and the operator.

Automatic contact sensor
The ultrasound probe is equipped with a special sensor that ensures the correct contact for an optimal treatment.
<table>
<thead>
<tr>
<th>Features</th>
<th>CombiMed 4000</th>
<th>CombiMed 2200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technologies</td>
<td>electrotherapy - ultrasound - LLLT laser</td>
<td>electrotherapy - ultrasound</td>
</tr>
<tr>
<td>Compatibility with vacuumtherapy</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>ULTRASOUND - probe</td>
<td>multifrequency 1/3 Mhz</td>
<td>multifrequency 1/3 Mhz</td>
</tr>
<tr>
<td>ULTRASOUND - stored protocols</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>ELECTROTherAPy - outputs</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>ELECTROTherAPy - waveforms</td>
<td>32</td>
<td>25</td>
</tr>
<tr>
<td>ELECTROTherAPy - stored protocols</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>LLLT LASER - wavelength</td>
<td>905 nm</td>
<td>-</td>
</tr>
<tr>
<td>LLLT LASER - frequency</td>
<td>100-10,000 Hz</td>
<td>-</td>
</tr>
<tr>
<td>LLLT LASER - stored protocols</td>
<td>yes</td>
<td>-</td>
</tr>
<tr>
<td>US + ET combined protocols</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Multitherapy protocols</td>
<td>yes</td>
<td>-</td>
</tr>
<tr>
<td>Display</td>
<td>colour touch screen 10.1&quot;</td>
<td>320x240px colour Touch&amp;Scroll</td>
</tr>
<tr>
<td>Dimensions - Weight</td>
<td>61x37x23 cm - 7 kg</td>
<td>45x30x14 cm - 7 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Supplied accessories</th>
<th>CombiMed 4000</th>
<th>CombiMed 2200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultrasound</td>
<td>1 - 5 cm² probe</td>
<td>1 - 5 cm² probe</td>
</tr>
</tbody>
</table>
| Electrotherapy                | 4 - 50x50 mm electrodes  
                          4 - 50x50 mm sponges for electrodes  
                          4 - 60x85 mm electrodes  
                          4 - 60x85 mm sponges for electrodes  
                          2 - 60x5 cm elastic bands  
                          2 - 100x5 cm elastic bands | 4 - 50x50 mm electrodes  
                          4 - 50x50 mm sponges for electrodes  
                          4 - 60x85 mm electrodes  
                          4 - 60x85 mm sponges for electrodes  
                          2 - 60x5 cm elastic bands  
                          2 - 100x5 cm elastic bands |
| LLLT Laser                    | 1 - 100 mW probe  
                          2 - laser protective goggles  
                          1 - interlock | - |
The high power laser is a very appreciated technology thanks to the excellent results that could be reached in a very short application time. The EME high power lasers of EME, thanks to the high power (from 8 W to 25 W), real and guaranteed by using a single diode, allow a high and deep energetic transfer, and consequently a substantial reduction in time of treatment.

Photomechanical action
The high laser energy impacts on the tissue surface generating real pressure pulses that reactivate the microcirculation and stimulate the deep lymphatic system. This leads to a consequent oxygenation of the tissues and reabsorption of the liquid accumulations.

Photochemical action
The energy absorbed by the chromophores in the tissues induces chemical modifications: structural modifications of the molecules and reactions that facilitate the enzymatic activation and the synthesis of nucleic acids and proteins.

Photothermal action
The electromagnetic energy is transformed into thermal energy inducing a controlled increase in the tissues temperature, with consequent stimulation of the circulation and increase in the supply of oxygen and nutrients to the suffering areas.

Continuous mode and pulsed mode
The EME high power lasers can work both in continuous mode or in “Duty Cycle” pulsed mode. The Duty Cycle allows to decrease the laser photothermal effect (which determines an increase in the local temperature). Treated tissues will cool rapidly, between one pulse and other, making more effective the biostimulation effect.

4 different spots in one probe thanks to the practical spacing system.
Lasermed 2200 is a low power contact laser. It is ideal for stimulating trigger points or treating locodolent areas.

- Anti-inflammatory effect
- Effect on the peripheral nervous system (antalgic and regenerative effect)
- Biostimulating effect and tissue regeneration
- Effect on microcirculation and blood vessels
- Immonumodulating effect
- Effect of enzymatic photo-activation

**LSE Laser Safety Eyes patent**
Laser delivery starts only when the lens is brought closer to the skin, ensuring greater safety for the patient and the operator.

**Automatic calculation of fluency**
as a function of time and treatment area (joules/cm²).

**Up to 800 mW of power and 2 independent channels**
Two independent channels allow you to work with two probes of different powers and frequencies. It is also possible to connect different monodiodic and multi-diode probes up to a maximum power of 800 mW.
## Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Lasermed 2200</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>905 nm</td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>200 - 10,000 Hz</td>
<td></td>
</tr>
<tr>
<td>Pulse duration</td>
<td>100 ns</td>
<td></td>
</tr>
<tr>
<td>Emission</td>
<td>continuous and pulsed</td>
<td></td>
</tr>
<tr>
<td>Output channel</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Stored protocols</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>Storable protocols</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>Display</td>
<td>Graphic colour - 320 x 240 px Touch &amp; Scroll</td>
<td></td>
</tr>
<tr>
<td>Dimensions - Weight</td>
<td>39 x 14 x 30 cm - 4 kg</td>
<td></td>
</tr>
</tbody>
</table>

## Supplied accessories

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Lasermed 2200</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>100 mW laser probe</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Laser protective goggles</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Interlock</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

## Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>PR999 4W</th>
<th>PR999 8W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>808 nm + 940 nm</td>
<td>980 nm</td>
</tr>
<tr>
<td>Frequency</td>
<td>200 - 10,000 Hz</td>
<td>200 - 10,000 Hz</td>
</tr>
<tr>
<td>Power</td>
<td>2W + 2W</td>
<td>8W</td>
</tr>
<tr>
<td>Stored protocols</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Storable protocols</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>Display</td>
<td>Graphic b/w 320 x 240 px</td>
<td>Graphic b/w 320 x 240 px</td>
</tr>
<tr>
<td>Dimensions - Weight</td>
<td>39 x 168 x 92 cm - 35 kg</td>
<td>39 x 168 x 92 cm - 35 kg</td>
</tr>
</tbody>
</table>

## Supplied accessories

<table>
<thead>
<tr>
<th>Accessory</th>
<th>PR999 4 W - 8W</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser protective goggles</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Interlock</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

## Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Magnetomod 7200</th>
<th>Magnetomod 8400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adjustable treatment frequency</td>
<td>1-100 Hz</td>
<td>1-100 Hz</td>
</tr>
<tr>
<td>Maximum induction for each applicator</td>
<td>100 Gauss</td>
<td>100 Gauss</td>
</tr>
<tr>
<td>Output channels</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Stored protocols</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Storable protocols</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>Display</td>
<td>Graphic colour 320 x 240 px Touch &amp; Scroll</td>
<td>Graphic colour 320 x 240 px Touch &amp; Scroll</td>
</tr>
<tr>
<td>Dimensions - Weight</td>
<td>39 x 14 x 30 cm - 3.5 kg</td>
<td>39 x 89 x 30 cm - 27 kg</td>
</tr>
</tbody>
</table>

## Supplied accessories

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Magnetomod 7200</th>
<th>Magnetomod 8400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnetic testing ring</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
Magnetotherapy equipment generate a low-frequency magnetic field that improves tissue regeneration, especially bone tissues. The most common indications are:

- Recent fractures and consolidation delays
- Pseudoarthrosis
- Sudeck’s disease and osteoporosis
- Inflammatory and degenerative arthropathies
- Obliterative arteriopathy
- Bedsores
- Psoriasis

**MFC System**

The EME applicators, thanks to the innovative MFC shielding system, drastically reduce the magnetic induction produced outside. This ensures a greater safety for the operator.

**W.I.S - Wood Injection System**

Innovative and eco-friendly technology used to make solenoids. The robust, light and ecological wood is processed at high temperatures and pressed into special molds.
Pressotherapy

The main therapeutic indications of EME equipment for **peristaltic pressomassage and veno-lymphatic drainage** are:

- Circulatory insufficiency
- Lymphatic stasis
- Hydro-lipo-dystrophy
- Lymphedema
- Edema
- Post-operative recovery
- Hypotony

Pressomed 2900 - PR1380

Pressomed Evo - PR1382

**Kit Point**
Leg sleeves have independent sectors, overlapped like a “herring bone”, by means of which the pressing push gradually overlap itself without leaving interspaces during the inflating.

**Express-mode deflation**
It allows a quick and silent deflation of every sectors.

**Warm up**
Thanks to a general pre-inflation on all sectors at aprox. 30 mhg (+/-) the treatment can be quicked.

**Total Body**
It is possible to treat lower and upper limbs simultaneously (Pressomed Evo).
The application of ultrasound results in a high-frequency cellular and intercellular massage action. The tissues irradiated with ultrasound also enter into vibration, resulting in energy expenditure and heat production. Moreover, the cavitation phenomenon occurs that activates the oxidation and polymerization processes. Ultrasound are mainly used for **pain reduction**.

Ultrasound 1300 and 1500 can be connected to Therapic 9200 and 9400 electrotherapy devices for combined treatments.

**Automatic contact sensor**
The probes are equipped with a sensor that ensures the correct contact for optimal treatment.

**Waterproof probes** suitable for submerged treatments.
Radartherapy

The microwave diathermy creates an endogenous heat in the treated tissues that is transmitted in the deep layers. The greatest warming occurs in tissues with a high water content such as muscles. Radar therapy is indicated in cases of muscle contractures, arthritis, post-traumatic pain, tendinitis, etc. The therapeutic effects of radar therapy are:

- Pain reduction
- Improvement of the extensibility of collagen
- Reduction of joint stiffness
- Reduction of inflammatory edemas and exudates
- Increase in blood flow
<table>
<thead>
<tr>
<th>Features</th>
<th>Pressomed 2900</th>
<th>Pressomed Evo</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of pneumatic sectors</td>
<td>9</td>
<td>12</td>
</tr>
<tr>
<td>Maximum pressure</td>
<td>150 mmHg</td>
<td>150 mmHg</td>
</tr>
<tr>
<td>Stored protocols</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Storable protocols</td>
<td>100</td>
<td>100 + USB</td>
</tr>
<tr>
<td>Display</td>
<td>Graphic colour 320 x 240 px Touch &amp; Scroll</td>
<td>Graphic colour 8“ Touch Screen</td>
</tr>
<tr>
<td>Dimensions - Weight</td>
<td>39 x 89 x 30 cm - 30 kg</td>
<td>39 x 89 x 30 cm - 25 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Features</th>
<th>Ultrasonic 1300</th>
<th>Ultrasonic 1500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>1/3 MHz</td>
<td>1/3 MHz</td>
</tr>
<tr>
<td>Output channels</td>
<td>1</td>
<td>2 Independent</td>
</tr>
<tr>
<td>Peak power in continuous mode</td>
<td>2 W/cm²</td>
<td>2 W/cm²</td>
</tr>
<tr>
<td>Peak power in pulsed mode</td>
<td>3 W/cm²</td>
<td>3 W/cm²</td>
</tr>
<tr>
<td>Duty Cycle</td>
<td>10-100 %</td>
<td>10-100 %</td>
</tr>
<tr>
<td>Stored protocols</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Storable protocols</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>Display</td>
<td>Graphic colour 320 x 240 px Touch &amp; Scroll</td>
<td>Graphic colour 320 x 240 px Touch &amp; Scroll</td>
</tr>
<tr>
<td>Dimensions - Weight</td>
<td>39 x 14 x 30 cm - 3.6 kg</td>
<td>39 x 14 x 30 cm - 4 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Supplied accessories</th>
<th>Ultrasonic 1300</th>
<th>Ultrasonic 1500</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/3 MHz 5 cm² probe</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Features</th>
<th>Radarmed 2500 CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pulsed peak power</td>
<td>1600 W</td>
</tr>
<tr>
<td>Continuous peak power</td>
<td>250 W</td>
</tr>
<tr>
<td>Stored protocols</td>
<td>yes</td>
</tr>
<tr>
<td>Storable protocols</td>
<td>200</td>
</tr>
<tr>
<td>Display</td>
<td>Graphic colour 320x240 px Touch &amp; Scroll</td>
</tr>
<tr>
<td>Dimensions - Weight</td>
<td>39 x 89 x 30 cm - 40 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Supplied accessories</th>
<th>Radarmed 2500 CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orthostatic pantograph arm</td>
<td>1</td>
</tr>
<tr>
<td>Circular antenna</td>
<td>1</td>
</tr>
</tbody>
</table>
The choice of the power and consequently of the energy to work with depends on the effect to be obtained and the pathology to be treated.

**Athermy < 37°**
Used to obtain an almost immediate analgesic effect. It’s ideal when the area to be treated is inflamed and/or swollen.

**Normothermia 37° - 39°**
Used to obtain strong biostimulation, micro-hyperemia and an increase in microcirculation.

**Hyperthermia > 39°**
Used to obtain an improvement of muscular trophism, due to the increase of both superficial and deep vascularization.
Motus Vitae | Circuit

“Keep on Mo-Vit and improve your life”
The circuit

Mo-Vit CR Chest & Row
Chest and back

Mo-Vit SL Shoulders & Lat
Shoulders and lats

Mo-Vit AL Abdominal & Low Back
Abs and lumbar

Mo-Vit TL Lower Limbs
Lower limbs

The circuit
A new concept to meet, as no one has ever done before, the needs of functional rehabilitation and the recovery of people with reduced mobility.

Motus Vitae, “movement is life”, represents a real turning point in functional rehabilitation. A system that uses 6 types of movement to improve life at 360 degrees. A circuit composed of devices governed by the latest generation of software and hardware, able to help patients with low motor skills or in cases where motor deficit is caused by trauma or diseases, to recover their initial state, while on elderly patients it allows to contrast the natural physiological decay and to exploit the benefits deriving from the motion for a better quality of life.
POLYTER EVO

A physiotherapy clinic at your fingertips!

Tecar
Low power laser
High power laser
Magnetotherapy
Ultrasound
Electrotherapy

MADE IN ITALY
The first portable modular device

The combination of cutting-edge technologies and trasportability make this device unique and multifunctional. The heart of Polyter Evo has been developed reducing size and weight of electronics. The simple and user-friendly software has been designed using all the features and graphics capabilities of the latest operating systems.

Design Made in Italy

Safety lock

Secure-lock aluminum telescopic handle

Extremely impact resistant

Rechargeable battery with 3-4 hours autonomy

Soft-touch antislip rubber

Easily portable
TECAR - HPLS LASER - LLLT LASER
ELECTROTHERAPY - MAGNETOTHERAPY
ULTRASOUND

The innovative expandable modular device
Polyter Evo is a versatile device that can be implemented according to your needs. It's an "alive" equipment thanks to the possibility to expand it with news modules at any time in complete autonomy. The innovative concept of expandable modularity allows you to combine one or more of the following technologies in only one case:

Software with anatomical library
The Polyter Evo software has been designed to be intuitive and functional. You can select the "free procedure" and set the desired parameters for the therapy or use preset protocols by selecting the anatomical area to be treated.

Combined modality
Electrotherapy and ultrasound can be used simultaneously in combined protocols.

Multitherapy modality
Polyter Evo has more than 100 multitherapy preset protocols to use ultrasound, electrotherapy, magnetotherapy and laser in a sequential way. This allows to take the maximum advantage from the versatility of all technologies and treat different pathologies effectively.

A physiotherapy clinic at your fingertips!

SPORTS THERAPY
Polyter Evo is lightweight, portable and it's battery-powered, it can be used before competitions or trainings, ensuring a great preparation for a better performance at high levels. Using it, after trainings or competitions, allows a faster recovery from strain and traumatic events allowing the therapist to handle injuries immediately.

THERAPY IN THE CLINIC
Polyter Evo is the ideal solution also for clinics that prefer combined devices for space and convenience reasons, or for clinics with many workstations.
AN EVEN MORE COMPLETE TECAR SYSTEM

- **Ergonomic probes**
  The new tecar massaging probes are ergonomic and easy to be handled and allow the therapist to combine instrumental and manual therapy.

- **Bipolar probes**
  The bipolar applicators are used without the steel plate allowing a greater freedom of movement. The treatment has a localized action, characterized by less dispersion and depth. It’s ideal for sports therapy and physio-aesthetics.

- **Therapy in movement**
  The adhesive return plates allow to perform treatments in movement with absolute safety and practicality.
Tomasz Pieczko, physiotherapist of Polish Male National Volleyball team

The more evident advantages of EME equipment are certainly to be found in its practical use and its portability. We have different machines in one single modular case and this makes a huge difference during our long travels around the world. We are a professional volleyball team and we have to care about our health and our bodies, especially when we play various games in a row and compete in the biggest tournaments. Our athletes need to recover as quickly as possible. For this reason, having different technologies at our disposal for us means always having the best on every occasion.
### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Display</th>
<th>Graphic colour 7” touch screen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>61 x 37 x 23 cm about 14 Kg</td>
</tr>
</tbody>
</table>

### LOW POWER LASER MODULE
- Laser probe 25 mW
- Protective laser goggles
- Interlock

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser probe 25 mW</td>
<td>1</td>
</tr>
<tr>
<td>Protective laser goggles</td>
<td>1</td>
</tr>
<tr>
<td>Interlock</td>
<td>1</td>
</tr>
</tbody>
</table>

### ULTRASOUND MODULE
- 1/3 MHz multifrequency head with integrated contact sensor
- Continuous or pulsed emission mode

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/3 MHz Probe, 5 cm²</td>
<td>1</td>
</tr>
</tbody>
</table>

### ELECTROTHERAPY MODULE
- Output cable with 2 channels (2 mm)
- Rubber electrodes 50x50 mm
- Sponge covers 50x50 mm
- Rubber electrodes 60x85 mm
- Sponge covers 60x85 mm
- Stretch band 1000x50 mm
- Stretch band 600x50 mm

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output cable with 2 channels (2 mm)</td>
<td>1</td>
</tr>
<tr>
<td>Rubber electrodes 50x50 mm</td>
<td>4</td>
</tr>
<tr>
<td>Sponge covers 50x50 mm</td>
<td>4</td>
</tr>
<tr>
<td>Rubber electrodes 60x85 mm</td>
<td>4</td>
</tr>
<tr>
<td>Sponge covers 60x85 mm</td>
<td>4</td>
</tr>
<tr>
<td>Stretch band 1000x50 mm</td>
<td>2</td>
</tr>
<tr>
<td>Stretch band 600x50 mm</td>
<td>2</td>
</tr>
</tbody>
</table>

### TECAR MODULE
- Capacitive/resistive mode
- Power up to 200 W
- Continuous and pulsed emission mode
- Athermy, hyperthermia, homoeotherapy

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicator for resistive electrodes</td>
<td>1</td>
</tr>
<tr>
<td>Resistive electrodes Ø 30-50-70 mm</td>
<td>3</td>
</tr>
<tr>
<td>Applicator for capacitive electrodes</td>
<td>1</td>
</tr>
<tr>
<td>Capacitive electrodes Ø 30-50-70 mm</td>
<td>3</td>
</tr>
<tr>
<td>Steel plate</td>
<td>1</td>
</tr>
</tbody>
</table>

### HIGH POWER LASER MODULE
- Maximum power 4 W
- Frequency from 100 Hz to 10.000 Hz
- Continuous or pulsed emission mode
- Wavelength: 980 nm

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Defocused laser probe with optical fiber</td>
<td>1</td>
</tr>
<tr>
<td>Foot pedal</td>
<td>1</td>
</tr>
<tr>
<td>3 poles interlock</td>
<td>1</td>
</tr>
</tbody>
</table>

### MAGNETOTHERAPY MODULE
- 1/4 MHz Probe, 5 cm²
- Generator capable of controlling single-diode or multi-diode probes
- Wavelength: 905 nm

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnet to check the emission of the magnetic field</td>
<td>1</td>
</tr>
<tr>
<td>Pair of applicators</td>
<td>1</td>
</tr>
<tr>
<td>Stretch band 1000x50 mm</td>
<td>2</td>
</tr>
</tbody>
</table>
SRN01-II
Medical Cold Therapy System

Production Introduction

Cold compression is commonly used in clinic, the scientific local cold compression on the traumatic tissue can effectively avoid the swelling, reduce hematoma and pain, thus speeding up the period of recovery.
SRN01-II Medical Cold Therapy System is designed according to human anatomy, Cold compression on specific spots can minimize the hematoma, edema and pain of the injured sites. So it is the ideal cold therapy device for postoperative recovery and sport injuries.

Effective cold compression can reduce hematoma and pain

Cold compression can make the capillaries shrink, restrict the blood flow to local sites, relieve contrafluxion, avoid inflammation, suppuration scattering, thus decreasing the sensitivity of the nerve endings and alleviating pain, Quick and effective cold compression can effectively control the swelling of the injured site.
Application sites

The cold compression wraps can be applied to the following sites:

Knee  Thigh  Shoulder
Elbow  Wrist  Ankle

Specifications

<table>
<thead>
<tr>
<th>Code</th>
<th>Product description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-SH</td>
<td>Shoulder Wrap</td>
</tr>
<tr>
<td>I-EL</td>
<td>Elbow Wrap</td>
</tr>
<tr>
<td>I-RB</td>
<td>Rib Wrap</td>
</tr>
<tr>
<td>I-HW</td>
<td>Wrist Wrap</td>
</tr>
<tr>
<td>I-TH</td>
<td>Thigh Wrap</td>
</tr>
<tr>
<td>I-KN</td>
<td>Knee Wrap</td>
</tr>
<tr>
<td>I-CA</td>
<td>Calf Wrap</td>
</tr>
<tr>
<td>I-AN</td>
<td>Ankle Wrap</td>
</tr>
<tr>
<td>I-CTU</td>
<td>Ice Bucket</td>
</tr>
</tbody>
</table>

Certification:

FDA  CE
within 4–6 hours, shortening the period of recovery. It has special therapeutic and rehabilitation effect on local soft tissue injuries, bone fracture, bone and joints injuries and postoperative pain.

**User-friendly and Easy to operate**

1. Put ice and water into the water container of the host machine, put the lid on, switch on the power, wait till the host machine starts and into the standby mode.
2. Put the cold compression wrap around the site that requires cold compression, connect the quick disconnect couplings with the couplings from the host machine.
3. Set the time of cold compression and cold compression mode, and then start it.
4. When cold compression is over, the host machine will emit a beep and switch off.
5. When the water temperature increases, put right amount of ice and water into the water container of the host machine to guarantee the excellent cold compression effects.
Feel better naturally
Flexistim

The Flexistim features 4 therapeutic modes: TENS for pain relief, EMS for muscular training, MIC for wound healing and IFT for relief of intractable pain.

TENS: back pain, osteoarthritis, rheumatoid arthritis, osteoporosis and spondylitis.

EMS: muscle rebuilding and toning, neuromuscular facilitation, muscle re-education, muscle training.

IFT: ankylosing spondylitis, reduction in bruising and swelling, postoperative pain, epicondylitis, carpal tunnel and plantar fasciitis, constipation.

MIC: gentle stimulation for tissue healing process and pain relief.

K-FLEXM

PRODUCT CODE

Li-ion 3.7V

POWER SUPPLY

CONTENTS:

Device

Electrode pads

Leads
- 2 independent channels with 4 electrode pads to treat 2 areas at the same time
- 10 preset TENS, 27 preset EMS, 3 preset IFT and 3 preset MIC programmes
- 2 manual TENS, 6 manual EMS, 1 manual IFT, 1 manual MIC programmes that can be defined to experiment and save preferred settings
- Comfortable stimulation with small steps of intensity and the EMS programmes have 3 phases
- Option to operate the unit through external mains power adaptor
- History of daily usage by programme and by time (up to 90 days of usage)

| TENS: 80 | IFT: 60 |
| EMS: 99 | MIC: 700 μA |

**AMPLITUDE (mA)**

| TENS: 2 - 150 | IFT: 2 - 160 |
| EMS: 10 - 120 | MIC: 0.5 - 50 |

**FREQUENCY (Hz)**

| TENS: 50 - 300 | IFT: 125 |
| EMS: 100 - 350 | MIC: 10 - 999 ms |

**PULSE WIDTH (μs)**

**WAVEFORM**

123 x 61 x 22

**DIMENSIONS (mm)**

130

**WEIGHT (g)**
Perfect EMS

The perfect EMS unit provides muscle toning, shaping and rehabilitation through EMS, with additional pain relief programmes using TENS to relieve pain from injuries and muscle strain.

Muscle wastage: neuromuscular facilitation, muscle re-education, muscle training, prevention/slowing of atrophy/hypotrophy and reduction of spasticity.

Sports training: warm up, strength, speed, power, resistance, endurance and recovery.

Beauty applications: reduction in the appearance of wrinkles and cellulite.

K-PEMS
PRODUCT CODE

2 x AA
POWER SUPPLY

CONTENTS:

Device
Electrode pads
Leads
- 2 independent channels with 4 electrode pads to treat 2 areas at the same time
- 6 preset EMS programmes including warm up, endurance, power and bulk
- 2 manual TENS and 2 manual EMS programmes that can be defined to experiment and save preferred settings
- Comfortable stimulation with 90 small steps of intensity
- Memory functions saving the number of uses and time of usage
- Programme retention (automatically starts in the last programme used)

<table>
<thead>
<tr>
<th>90 (Max)</th>
<th>TENS: 1 - 120</th>
<th>TENS: 50 - 250</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMPLITUDE (mA)</td>
<td>EMS: 1 - 80</td>
<td>EMS: 50 - 350</td>
</tr>
<tr>
<td>FREQUENCY (Hz)</td>
<td>PULSE WIDTH (μs)</td>
<td></td>
</tr>
</tbody>
</table>

| 120 x 60 x 20 | 120 |
| DIMENSIONS (mm) | WEIGHT (g) |

AA battery
Perfect TENS

The perfect TENS unit is specifically designed to provide safe and effective pain relief in the comfort of your own home.

It can help manage the pain from a wide range of conditions.

Chronic pain: back pain, arthritis, rheumatic pain, lumbago, hip pain, osteoarthritis pain in the knee and sciatica central pain.

Musculoskeletal pain: fibromyalgia, falls, sprains, direct blows to muscles and auto accidents.

Acute pain: Dental and facial pain, neck pain, postoperative pain, migraine and neuralgias.

K-PERFECT

PRODUCT CODE

2 x AA

POWER SUPPLY

CONTENTS:

Device

Electrode pads

Leads
- 2 independent channels with 4 electrode pads to treat 2 areas at the same time
- 8 preset TENS programmes including burst, constant, modulation modes and HAN Stimulation
- 1 manual programme that can be defined to experiment and save preferred settings
- Comfortable stimulation with 60 small steps of intensity
- Memory functions saving the number of uses and time of usage
- Programme retention (automatically starts in the last programme used)

<table>
<thead>
<tr>
<th>AMPLITUDE (mA)</th>
<th>FREQUENCY (Hz)</th>
<th>PULSE WIDTH (μs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 (Max)</td>
<td>2 - 150</td>
<td>50 - 250</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WAVEFORM</th>
<th>DIMENSIONS (mm)</th>
<th>WEIGHT (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>120 x 60 x 20</td>
<td>120</td>
</tr>
</tbody>
</table>

AA battery
Kegel Toner

The Kegel Toner is a powered muscle stimulator used for strengthening the pelvic floor muscles.

It provides relief from urinary stress incontinence and/or faecal incontinence.

Kegel Toner can also be used to rehabilitate the pelvic floor muscles after childbirth. Most women need to rehabilitate their pelvic floor muscles after childbirth, and/or suffer from mild bladder leakage (occurs when coughing, laughing, sneezing, exercising...).

Additionally, it may help improve sexual intimacy by toning the pelvic floor muscles.

Maintenance of pelvic floor strength: like any other muscles, the pelvic floor will weaken over time, it is important to exercise these muscles regularly to avoid bladder leakage in the future.

K-KT

PRODUCT CODE

2 x AA 1.5V

POWER SUPPLY

CONTENTS:

Device

Probe

Lead
• Single channel unit to provide relief from symptoms of all types of incontinence via a tampon-shaped probe

• 2 preset programmes, train to strengthen weak muscles and a tone aftercare programme

• Comfortable stimulation with small steps of intensity, 1 mA per step

• Automatically resets the strength to zero and flashes 'LEADS' if the connection comes loose

• Memory functions saving the number of uses and time of usage

• Programme retention (automatically starts in the last programme used)

<table>
<thead>
<tr>
<th>AMPLITUDE (mA)</th>
<th>FREQUENCY (Hz)</th>
<th>PULSE WIDTH (µs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>99 (Max)</td>
<td>35 - 50</td>
<td>250 - 300</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WAVEFORM</th>
<th>DIMENSIONS (mm)</th>
<th>WEIGHT (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>120 x 60 x 20</td>
<td>115</td>
</tr>
</tbody>
</table>

AA battery
LEMCO COMBI BIKE PLUS

Exercise bike for training and rehabilitation
To be used from a chair / wheelchair

LEMCO Rehab & Fysio
WHAT IS A LEMCO COMBI BIKE PLUS?

LEMCO Combi Bike Plus is an innovative and effective exercise bike that ensures that even those who cannot use regular exercise bikes can experience the beneficial effects of exercise. Daily exercise ensures healthy movement and can provide for longer walking distances after rehabilitation.

Starting and ending each day with exercise is particularly important for people who have limited motion, such as wheelchair users and people with reduced walking distance. The exercise stimulates blood circulation and thereby reduces the risk of blood clots in the legs. It will also lead to increased strength in the legs which will in turn result in an ability to walk longer distances. Enhanced circulation is an additional benefit.

WHY IT WORKS SO WELL?

It works so well because it is uncomplicated, efficient, and because it makes use of our unique BEAT® Technology that allows people with severe disabilities to train successfully - people who often have lost confidence in actively moving their legs. The bike is simple and easy to use for both therapists and users.

LEMCO Combi Bike Plus has a built-in Bio Energy Accumulating technology, which makes this bike unique and useable for 99% of the target group. The technology ensures that the energy added to the pedals and handles during training is accumulated in the bike, which ensures a smooth rotation. The bike is therefore exceptionally easy to operate even for people with severe disabilities, such as neurological diseases and partial paralysis, and even for people who cannot take a single step.

WHO WOULD CHOOSE A LEMCO COMBI BIKE PLUS?

LEMCO Combi Bike is chosen by both institutions, Rehab centers and individuals alike.

Our many years in the industry have given us extensive experience with training solutions that also include motorized training bikes. An important aspect to this is that about 98% of the people who previously chose the motorized solution can achieve a greater results by choosing LEMCO Combi Bike Plus, and at the same time achieve a significant financial saving.
Spine 3D is an innovative optoelectronic system, of three-dimensional detection, totally non-invasive, of the spine and back that allows an accurate evaluation of vertebral diseases and postural changes.

www.sensormedica.com
info@sensormedica.com
Spine 3D™

TECHNICAL FEATURES

PHYSICAL DATA
- Dimensions: 165x63x76 cm
- Weight: 47 Kg

ELECTRICAL DATA
- Power supply: 100-240 V, 50/60 Hz

TECHNICAL FEATURES
- Aluminium structure
- Motorized column with joystick
- Touch screen 27”
- Resolution: 1920x1080
- Format: 16:9
- Orientation: vertical
- 3D scanner
- Depth technology: Time-of-Flight (ToF)
- Operating range of measures: from 1 to 2 m

SOFTWARE
The analysis is performed by placing the patient 110 cm away from the camera. Acquisition is very fast, (less than 5 seconds) and the patient should remain in the natural position with relaxed arms along the sides. The back must be naked and that the furrow of the intergluteal must be visible. The main data that the software offers are:

- Length, inclination and imbalance of the column along the coronal, sagittal and transverse planes.
- Vertebral deviation and rotation
- Cervical and lumbar arrow
- Gross and kyphosis angle and depth
- Inclination and elevation of shoulders and pelvis
McBROTHERS
ROBOSPINE

Scan QR Code
To Watch Video
ROBOTICS CURE SYSTEM

For

- Herniated Disk
- Sciatica
- Bulging Disk
- Numbness
- Tingling
- Pinched Nerve
- Hip/Leg pain
- Burning
- Spinal Stenosis
- Scoliosis
- Degenerative Disk
- Anti-gravity
- Pain Management
THERAPY
Wide medical application due to a large selection of programs for physiotherapy and rehabilitation. Specially designed programs to alleviate chronic pain, relieve tension from the joints and muscles. Will allow to expand the list of services of any medical resort or complex involving additional specialists.

BEAUTY
Complex programs for beauty salons and aesthetic medicine clinics. Attracting an additional flow of customers through exclusive comprehensive services. Maintenance of classical procedures by hydromassage, which activates lymph and restores blood circulation.

CORPORATE
A unique emotional unloading room for a company that cares about the health of its employees. Special programs will help relieve tension after lengthy negotiations, get of back pain due to sedentary work and release consciousness after hard working days.

FITNESS
A unique solution for any fitness club. A quick and effective hydromassage will allow your customers to quickly switch to everyday rhythm after a grueling workout. Accelerate the withdrawal of lactic acid, will massage muscles of the back and legs.

RELAX
Efficient and quick way to immerse the client in a state of rest or sleep. You can customize individual programs for complex procedures with the effect of floatation or light hydromassage. Your clients will receive an incomparable experience of complete relaxation.
The Dry Hydromassage System
Helps to relax muscles, accelerate metabolism, expand large vessels, thus stimulating blood circulation.
Used as an alternative therapy for patients with nervous excitability and chronic back and leg pain.

Features
During the procedure of non-contact hydromassage, all the advantages of classical water massage with specialist are preserved.
• General relaxation of the muscles, which leads to deliverance a feeling of discomfort and pain
• Improve blood circulation, which results in oxygen saturation and improved nutrition of body cells.
• Activation of all metabolism processes
• Restoration of venous circulation and lymphatic outflow, which eliminates swelling and removes toxins and toxins from the body.
• Total relaxation and recovery of the psychoemotional state

20 automatic programs

McBROTHERS
Tel. + 41 76 805 44 44
E-mail: office@mcbrs.com
SWISSSPINESOLUTION.COM
Switzerland
Right here, right now!

- 20 automatic programs
- Intuitive interface
- 10,2” touch-screen monitor
- Manual control (optionally)
Only you!

You can choose:

- Time
- Temperature (up to 60 °C)
- Type of massage
- 6 levels of water pressure
Forget about!

- Undressing
- Oil
- Shower after massage
The Whole Rehabilitation Project System Solutions

Service Hotline: 400–6086–168
Guangzhou Yikang Medical Equipment Industrial Co., Ltd
web:http://www.yikangmedical.com
Huazi Industrial Park Qinghe Road, Shilou Town, Panyu District, Guangzhou City Guangdong Province, P. R. China Zip code:511447
Adaptation diseases: Early term rehabilitation training, imperfect walk and motion, lack of motion, multiple sclerosis, rheumatism, cardiomyopathy, arthritis, deformity, parkinsonism, paralysis, lump, edema, dialysis, amyotrophy etc., and more emphasize on patients' early rehabilitation training. Lower limb intelligent feedback & training system can make the patients lower limb move while in the standing training, high simulation to simulate the normal gait walking. If spasms occur in the treatment, the intelligent feedback training system for lower limbs can immediately detect and start the anti-spasm function, which increasing the safety during the treatment.

Strong compatibility: Set and train each leg independently, universal footboard makes it suitable for the valgus and varus, uneven leg length. The spring which under the universal footboard can afford physiological load.
TREATMENT FUNCTION

Promote blood circulation, to maintain and improve range of motion, increase muscle strength and endurance.
Promote the formation of compensatory function.
Promote organ metabolism, improve heart and lung function.
Improve the ability to regulate the nervous system, can maintain and improve the excitability of the nervous system through sports training, flexibility and coordination.
Enhanced metabolic function of the endocrine system, such as the promotion of glucose metabolism, increasing the absorption of minerals in bone tissue.

Gait control — using servo motor to control system, the movement of the process included velocity, acceleration, deceleration , imitate the normal physiological gait effectively.

Step movement under biological load, strengthen the body sense of stimulation for the lower limbs, increase the input of proprioceptive sensation, and promote the growth of synapses.

The vertical state, the lower limb movement and the load of organic combination.
Support and promote patient movement.
Stimulating cardiovascular system.
Enhanced afferent sensory stimulation.
A large number of repetitive physical activities can reduce some patient’s muscle spasticity.
Can reduce the harm caused by non exercise which cause the secondary complications.
Can improve the human vegetable’s sensitivity.
Reduce the labor intensity for the therapist Convenient operation.
PRODUCT INTRODUCTION

A large number of studies show that stroke, severe brain injury or other neurological diseases can easily lead to upper limb dysfunction or defects, clear treatment tasks will improve patients upper limb function effectively. A2 is based on the theory of rehabilitation medicine, human robot cooperative robotics and computer virtual technology, real-time simulates human upper limb movement. With the advent of the A2, upper limb rehabilitation training will be upgraded to a new level. A2 has the function of adjustable upper limb loading system, intelligent feedback and three-dimensional space training, patients can be in the computer virtual environment to complete the multi joint or single joint rehabilitation training.

FUNCTION AND CHARACTERISTICS

- Assessment function
- Intelligent feedback training
- Information storage and enquiry
- Arm burden or reduce burden training
- Visual and audio feedbacks
- Targeted training
- Printed function
REHABILITATION TRAINING

Game training (1D, 2D, 3D), real-time virtual, verbal feedback, data records, recognize left/right arm intelligently.

Asessment Report

System according to the evaluation data generation assessment report, every item of the report can be showed by sheet and graph (line graph, histogram and area chart), three different ways to display and print.

Adaptation Diseases

Patients suffer from upper limb hemiplegia and dysfunction who need upper limb rehabilitation caused by nervous system diseases, cerebrovascular diseases, serious traumatic brain injury, surgery etc. Such as: Stroke, Parkinson, cerebral thrombosis etc.

Weight support system

Early paralysis of patients with weakly limb strength can reduce body weight to do training, so that patients more convenient to exercise and improve their surviving nerve muscle control ability, after training, limb function who has recovery step by step may be appropriate to increase the limb weight training and promoted the rehabilitation of patients.

Targeted Training

Single specific joint training / several joints training together.

Assessment of each joint range of motion and grip strength, and save in the database of individual, which provide the basis for the therapist to assess the patients rehabilitation status. And automatically calculate the patients movement range during the training process.
PRODUCT INTRODUCTION

Gait training and evaluation system is an advanced medical equipment, which is based on the principle of neuroplasticity. It is also a motor driven gait correction device with a set of hip support device and two gait correction device. The gait correction device is equipped with independent hip joint and knee joint driven setting. A3 is installed on a rotating door by a parallel quadrilateral structure. The operation needs to be combined with the treadmill and weight support system, which control by the computer. Mainly recovery patients with limb movement function.

TREATMENT FUNCTION

Recovery normal gait in the early walking training.
Reduces the occurrence of joint spasticity, improve the range of joint movement;
Dynamic weight support, increases weight support ability, stimulates the sense of the body and improves muscle strength.
1. Gait control: Equipped with Panasonic servo motor which is controls each joint’s angle ranges of motion and walking speed accurately. Active, active assist and passive modes of training. Guide force soft and adjustable. The gait offset can be adjusted basing on patient’s gait pattern. Spasm detection and protection.

2. Deweighting system: Static support is used for lifting patient vertically which makes it easier for patient to stand up from wheel chair. Dynamic support is used for adjusting the supporting weight during gait cycle.

3. Synchronous treadmill: Treadmill speed can be adjusted in real-time basing on robot’s gait speed. Minimal speed starts from 0.1 km/hr which is suitable for rehabilitation training.

4. Virtual reality technology: The training scene simulates the real situation. Game training makes the treatment more interesting.

5. Software function: Builds the large patients’ database to record training information and treatment procedures. Therapist can progress the treatment program very easily according to the information. The force curve and joint motion range are in real time.
Hand of Hope
For hand rehabilitation

Scan QR Code
To Watch Video
Over 17 Million people worldwide suffer a stroke each year

A stroke is the largest cause of a disability with half of all survivors being left with an impairment of the hand and arm leading to an inability to execute their activities of daily living.

Consequently a patient can lose motivation and hope which is key to their rehabilitation, especially when the greatest recovery can be see in the first days and weeks after a stroke.

Hand of Hope

Lets introduce you to the Hand of Hope, an award winning, state-of-the-art sEMG driven robotic hand rehabilitation device that combines advances in robotics and neuroscience to enable stroke survivors to restore movement to their paralysed hands.

Neuroplasticity

The brain has a unique ability to reorganise itself by forming new neural connections throughout our lifetime. Neuroplasticity allows the neurons in the brain to compensate and adjust their response to new activities and situations after strokes or brain injuries.

Highly intensive repetition of activities has shown to promote a reconnection of pathways leading to neuromuscular rehabilitation of the hand and forearm that may help patients regain hand mobility through motor relearning.
How the Hand of Hope works

The Hand of Hope is a therapeutic device that may help patients regain hand mobility through motor relearning, the patient self-initiates movement through voluntary EMG signals that indicates an intention to move.

1. Brain
   Intention to move

2. Motor Neuron
   Transmit motion signal

3. EMG Sensors
   Capture voluntary EMG signal

5. Positive Feedback
   Motor relearning
1. Intention to Move
The Hand of Hope detects the patient’s intention for hand motion using voluntary EMG signals commanded by the brain.

2. Motion Signal
The Device processes these signals and delivers them to the hand brace.

3. Perform Movement
The Hand brace provides an assistive function for hand motion.

4. Positive Feedback
The Patient relearns hand function through positive feedback.

5. Interactive
Real-time interactive games enhance the training outcomes.

EMG + HOH
The HOH responds to the user’s desire to move the hand through a real time interactive EMG signal displayed on the bar.
Hand of Hope basics

The hand brace is worn on the impaired hand with 2 surface sensors attached to the extensor and flexor muscles of the forearm to detect the surface electromyographic signals (sEMG) for active participation during exercise.

Intended Use

The Hand of Hope therapy device is intended for use in patients that require hand and forearm rehabilitation. Potential goals for the use of HOH could be, but not limited to the following:

- Motor learning via interactive use of the biofeedback system
- Help initiation of the voluntary muscle contraction and voluntary movement
- Maintain voluntary muscle contraction and the voluntary movement
- Control of abnormal muscle activity

Indications

- Decreased muscular activity after Stroke, Spinal Cord Injury, Hand / Finger injury
- Difficulty to self-initiate, control or maintain voluntary muscle movement,
- Impaired coordination of voluntary movement of the upper limb

Hand of Hope is used to facilitate

- Initiation of voluntary muscle contraction
- Motor control and coordination
- Muscle relaxation
- Motivation
- Control of abnormal muscle activity
Children

Robotic rehabilitation in children has many constraints in comparison to adult rehabilitation, these constraints range from the size of the child’s hand to the interactive interface design. The Hand of Hope has been successfully applied for use with children, the small hand brace insert allows them to fit securely and enjoy the full range of the interactive games.

Suitable to address neurologic/orthopedic problems of pediatric patients.
Training Modes

Different training modes allow the therapist to customise the level of assistance that the Hand of Hope provides. The difficulty level of each mode can be adjusted according to the user’s need.

Continuous Passive Motion

Movements are passively repeated over time. Two CPM patterns are available for training: hand opening & grasping.

EMG Biofeedback Training

Trigger & Go

The HOH will assist the user in completing the hand motion once the signal is detected above a pre-set sEMG threshold level.

Trigger & Maintain

The HOH will assist the user in completing the hand motion once the signal is detected above a pre-set sEMG threshold level.

Hand Opening Training

An sEMG threshold level can be set by moving the horizontal line in the vertically displayed EMG signal bar on the screen. Thereafter the set EMG threshold level is used as a visual biofeedback displayed on the screen. The patient will need to exceed this threshold level in order to run modes of Trigger & Go and Trigger & Maintain.

Open & Grasp Training

Both opening and grasping are performed according to detected EMG threshold. The movement is controlled completely by voluntary muscle contraction.

Training mode is

Trigger & Go

Grasping Training

The EMG threshold level can be manually changed depending on the clinician’s observations by moving the horizontal line in the EMG signal bar up and down.

User can select two different training modes:

1. Trigger & Go
2. Trigger & Maintain
Interactive Games

The Hand of Hope’s real-time interactive games play an important part in the rehabilitation process and will enhance the training outcomes and help to motivate the patient, increasing the patient’s interaction with the therapist.

Hand & Arm Training in ONE

Many of the current rehabilitation devices focus primarily on larger joints, e.g. the elbow and the shoulder. Only some focus on hand/wrist training. Overall, these devices rarely work on a complete upper limb movement.

Impairment of the upper limb depends primarily on the loss of hand function and finger dexterity, which is why restoring both distal and proximal motor functions is essential to the completion of daily tasks.

Hand of Hope

Hand of Hope addresses these shortcomings by providing complete upper limb training with coordinated hand and arm movements. It combines executed movements with active control of the Forearm Support.

Arm Training

At later stages of the recovery process, users can train their arm using the Tracking Forearm Support. Levels 3 and 4 of the interactive games require the user to extend their elbow and shoulder to complete game missions.

Training Sessions

Patients may not want their sessions on the interactive games, they can instead use the Training Sessions mode that displays their generated EMG signal, the motion of the hand that they need to move and the muscle group used.

Forearm Support

We use a Forearm Support which not only provides the patient with a comfortable training experience and position but it also acts as a training tool for the elbow, shoulder and to improve eye hand coordination.

Patient Database

Individual patient settings and training details are stored and can be recalled at anytime. Graphical results can be generated and reviewed quickly for data analysis.
Our Principles

The harder you try, the more you’re motivated, the more alert you are, the better the potential outcome.

If you’re intensely focused on the task and really trying to master something for an important reason, the change experienced will be greater.

Our Approach

Our approach to rehabilitation is that the patient needs to be actively involved, they drive their rehabilitation forward and see the personal gains that can be made using the Hand of Hope.

In active mode we use the EMG sensors and calibrate the robotic hand to the patient’s very own signals, that allows the patient who has an intention to move to send a signal direct to the Hand of Hope and it will open or grasp for them.

Why Robotics?

Robotics are becoming more and more common in the enhancement of traditional post-stroke therapies because they provide consistent & precise treatment over longer periods of time.

They can be programmed to perform in different functional modes allowing the therapist varying options in their approach to rehabilitation. Robots can measure and record a range of behaviors in parallel with therapeutic applications which helps to evaluate and track a patient’s progress.
Features of the Device

The Hand of Hope is packed full of features to aid and accelerate the rehabilitation process of Patients from the early stages of their injury to achieve their recovery goals.

Passive mode & Active mode

The Hand of Hope has two modes of rehabilitation, not only does it work in Passive Mode but also in Active Mode providing the patient with an exciting focused participation.

Readily available information

Individual user settings and training parameters are stored and analysed giving the therapist access to detailed user progress information.

Comfortable training experience

The hand brace and forearm support of the Hand of Hope are designed to provide optimal user comfort.

Easy-to-use

The interactive software is presented with simple animated instructions and icons help guide the patient through their sessions.

The Velcro finger straps make setting up and removing the hand braces effortless to ensure that the patient is comfortable during this process.

Easy-to-carry

The system is compact, lightweight and can be carried around with ease in a provided carry-case that only weighs 14kg.

Cleaning

The Hand of Hope is easily kept clean, all surfaces of the hand brace and forearm support can be wiped clean using an alcohol spray or wipes and the inserts can be removed and cleaned separately.

Hand of Hope Specification

<table>
<thead>
<tr>
<th>Model</th>
<th>Small</th>
<th>Medium</th>
<th>Large</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (W x L x H)</td>
<td>160x250x120mm</td>
<td>160x250x120mm</td>
<td>180x250x120mm</td>
</tr>
<tr>
<td>Weight</td>
<td>700g</td>
<td>700g</td>
<td>800g</td>
</tr>
<tr>
<td>Internal Platform Range</td>
<td>88-100 mm</td>
<td>100-115 mm</td>
<td>115-130 mm</td>
</tr>
<tr>
<td>Dimension of Forearm Support (W x L x H)</td>
<td>162 x 336 x 69 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classification</td>
<td>Class IIA Medical Device</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

US Patent No.: 9,532,918
The Hand of Hope System and Packages

Hand of Hope (small-to-medium)

- 1 pair of S-to-M hand braces
- Internal Platform & Strap Pad Set (S & M sizes)
- Advanced Training Software including CPM mode, EMG mode, Patient Database and 5-game Module
- Advanced Forearm Support
- Portable Workstation
- Carrying Case
- Wireless Touch Keyboard
- Cables and Accessories

Hand of Hope (small-to-medium, large)

- 1 pair of large hand braces
- 1 pair of S-to-M hand braces
- Internal Platform & Strap Pad Set (S, M & L sizes)
- Advanced Training Software including CPM mode, EMG mode, Patient Database and 5-game Module
- Advanced Forearm Support
- Portable Workstation
- Carrying Case
- Wireless Touch Keyboard
- Cables and Accessories

Hand of Hope Extension Kit

- Internal Platform & Strap Pad Set (S & M sizes)
- Advanced Training Software including CPM mode, EMG mode, Patient Database and 5-game Module
- Advanced Forearm Support
- Portable Workstation
- Carrying Case
- Wireless Touch Keyboard
- Cables and Accessories

* No monitor is provided
Hand of Hope Research Model

What does it do?

The Hand of Hope Research Model is a special edition designed to perform scientific analysis for research purposes. The model has additional features and components:

- Allows to combine a variety of physiological sensing technologies such as EEG, Strain Gauge (force), MMG
- Access to real-time EMG signals
- Console software application can be built to control the motion with API
- New algorithms can be programmed and applied

Contents

- Hand of Hope System (s-m)
- Power and USB Adapter
- Power and Sensing cable with 2 EMG signal outputs (pictured)
- Optional: NI Data Acquisition Device (DAQ) Model USB-6216 with USB interface

Connection Diagram

Note: When operating the HOH Research Kit, HOH portable station is no longer connected or hosted by the system control. The Research Platform hosts the whole system control.
EUROPEAN HEALTH CHALLENGES

OVERWEIGHT

- Lifting or moving patients is the main source of injuries for professionals, especially with bariatric patients. [Glover, 2002]

- In the next 10 years, for every 100 people leaving the job market, only 76 will enter. [United Nations, 2019]

OBESITY

- 37% of Europe's population was overweight (BMI > 25) in 2017 [EUROSTAT 2019]

AGEING POPULATION

- 15% of Europe's population was obese (BMI > 30) in 2017 [EUROSTAT 2019]

- Today, 19% are +65 years old [EUROSTAT, 2020]

- By 2050, 28% are expected to be +65 years old [EUROSTAT, 2020]

www.lifescience-robotics.com
ACTIVE MOBILIZATION

ROBERT® is an innovative rehabilitation robot that offers active resistive and assistive mobilization providing better conditions for rehabilitation to patients and healthcare professionals.

In order to improve the patient's functional ability and recovery, rehabilitation is essential [WHO, 2019].

Through individualized treatments, ROBERT® makes it possible to start the process at a very early stage, which can intensify the rehabilitation.

- Patients will receive sufficient, personalized training, even on busy working days.
- Studies have shown that physiotherapy is efficiently treating acute pain, while its preventing chronic pain [APTA, 2018].

“ The patients really want to try the robot. It has increased their focus on rehabilitation. ”

- Rikke Sørensen, Lead Nurse
IMPROVES WORK ENVIRONMENT

ROBERT® reduces the physical burden and risk of injuries for nurses and therapists.

While the rehabilitation is intensified, the healthcare professionals are relieved from repeated heavy lifting.

The rehabilitation robot makes it possible to treat more than one patient at once. Patients are able to exercise with ROBERT® by themselves at their own pace. Studies have shown that patients’ ability to influence their own rehabilitation process, will result in an improved outcome [Dohnke et al., 2005]. The exercises are based on the experts’ knowledge, to ensure a qualitative treatment.

- The life-time prevalence of work-related injuries of physiotherapists is around 90%. [Glover, 2002]
- The cost for one ROBERT® with 10 treatments per shift amounts to only 9 € per treatment.

“The concept can contribute to an accelerated patient recovery where the patient gains previous functional level sooner.”

- Mettine L. Blach, Physiotherapist
ExoAtlet II is intended for use as a gait training and rehabilitation device to improve walking function and independence in patients with a neurological or muscular injury, illness, or weakness.

Please visit www.exoatlet.lu for further information.

LinkedIn @ExoAtlet
FB @ExoAtlet Europe
Insta @ExoAtlet Europe
Twitter @ExoAtlet Europe
EXOATLET II

Provides supported gait training that enhances the process of rehabilitation and improves quality of life for patients with locomotive impairments of the lower limbs.

- Pilot’s weight should not exceed 100 kg.
- Pilot’s height from 160 to 190 cm.
KEY FEATURES

ExoGait Assistance Control
Adaptive movement support depending on the patient’s abilities;

Self-ExoWalking Mode
Movement can be initiated by the patient’s efforts;

Stairs Walking
Walking on stairs and other uneven surfaces;

ExoCloud: Real-time and Progress Reporting
Full analytics and training reporting;

Integrated FES Module
(Functional Electrical Stimulation)
Pending certification;

Easy adjustment
No more than 10 min adjustment for every patient.

INDICATIONS FOR USE
Patients with the Spinal cord injury, Multiple sclerosis, Cerebral palsy, Traumatic Brain Injury, the effects of a Stroke, and those recovering from Arthroplasty.
USABILITY AND SAFETY FEATURES

- Natural gait pattern: accurate adjustment for every patient;
- Ergonomic handles on the back for physical therapists with the control button;
- Emergency shutdown & Spasticity Protection Unit;
- Back support for patients with high degrees of injury;
- Ergonomic materials that are easy to clean;
- One battery charge for a full day’s training;
- Adjustment without tools.

ExoAtlet II has 13 anthropometric settings, including adduction and abduction of the thigh and inversion and eversion of the foot. This allows individual adjustments for each patient’s physical conditions.
MEANS OF CONTROL

ExoAtlet II has advanced wide possibilities of control and design, which allow conducting the trainings by just one medical specialist.

TABLET
With attachment to the back of the exoskeleton.

EXOCRUTCH
The crutch with a remote control for patients.

ERGONOMIC HANDLES
With an emergency stop button.
FES MODULE (PENDING CERTIFICATION)

12-channel electrical stimulation while walking for the patient’s muscles and spinal cord to activate the locomotor neurons.

STIMULATION IS SYNCHRONIZED WITH EACH PHASE OF THE STEP.

8 channels for the dorsal leg muscles;
4 channels for the front leg muscles;
2 of the channels can be used for spinal cord stimulation.

Current stage: Clinical trials
MODEL 502

Bu model, fizik tedavi merkezleri, özel klinikler, manuel terapi merkezleri, hastanelerin fizyoterapi bölümleri ve benzeri alanlarda kullanılmak üzere tasarlanmıştır. Tek gövde üzerine oluşturulduğu için hastaya en yakın şekilde müdahale edilme olanağı sağlar. Kullanım alanını genişletmek için çeşitli seçenekleri mevcuttur.

Özellikler

► İki bölümlü ergonomik tasarım
► Gaz pistonlu sirt ayarı
► Opsiyonel motorlu sirt ayarı
► Elektrikli veya hidrolik yükseklik ayarı
► El veya ayak kumandası
► 180 kg ağırlık taşma kapasitesi
► Kolay hareket kabiliyeti
► Tekerlekli veya sabit kullanım
► Demir aksamı statik fırın boyalı
► Sünger üzeri vinleks deri kaplama
► Kullanımı hazır teslimat

Ölçüler

Uzunluk : 190 cm
Genişlik : 65 cm
Yükseklik : 47 - 97 cm arası

Döşeme Boyutları

<table>
<thead>
<tr>
<th>125 cm</th>
<th>65 cm</th>
</tr>
</thead>
</table>

Opsiyonel Özellikler

Batarya Desteği  Yan Korkuluk  Elektrikli Sirt Ayanı  Nefes Boşluğu  Havluluk

www.bilistermedikal.com
MODEL 503


Özellikler

- Üç bölümlü ergonomik tasarım
- Gaz pistonlu sırt ve ayak ayarı
- Opsiyonel motorlu sırt ve ayak ayarı
- Elektrikli veya hidrolık yükseklik ayarı
- El veya ayak kumandası
- 180 kg ağırlık taşıma kapasitesi
- Kolay hareket kabiliyeti
- Tekerlekli veya sabit kullanım
- Demir aksamı statik finn boyalı
- Sünner üzeri vinleks deri kaplama
- Kullanıma hazır teslimat

Ölçüler

- Uzunluk : 187 cm
- Genişlik : 65 cm
- Yükseklik : 47 - 97 cm arası

Döşeme Boyutları

<table>
<thead>
<tr>
<th></th>
<th>65 cm</th>
<th>57 cm</th>
<th>65 cm</th>
</tr>
</thead>
</table>

Opsiyonel Özellikler

- Batarya Desteği
- Yan Korkuluk
- Elektrikli Sırt ve Ayak Ayarı
- Nefes Boşluğu
- Havluluk

plinth®

2 yil garanti
10 yil teknik destek

www.bilistermedikal.com

Özellikler

➤ Beş bölümlü ergonomik tasarım
➤ Gaz pistonlu sırt ve ayak ayarı
➤ Opsiyonel motorlu sırt ve ayak ayarı
➤ Ayarlanabilir kol ayarı
➤ Elektrikli veya hidrolik yükseklik ayarı
➤ El veya ayak kumandası
➤ 180 kg ağırlik taşıma kapasitesi
➤ Kolay hareket kabiliyeti
➤ Tekerlekli veya sabit kullanım
➤ Demir aksamı statik firın boyalı
➤ Sünger üzeri vinleks deri kaplama
➤ Kullanına hazır teslimat

Ölçüler

Uzunluk : 188 cm
Genişlik : 65 cm
Yükseklik : 47 - 97 cm arası

Döşeme Boyutları

<table>
<thead>
<tr>
<th>65 cm</th>
<th>58 cm</th>
<th>65 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 cm</td>
<td>36 cm</td>
<td>65 cm</td>
</tr>
</tbody>
</table>

Opsiyonel Özellikler

Batarya Desteği
Ayak Kumandası
Havluluk

www.bilistermedikal.com
MODEL 40
BOBATH 2 SECTION

Bu model, mümkün olan en geniş, en sağlam ve stabil tedavi yüzeyini sağlar. Kullanım alanını genişletmek için 102-120 cmopsiyonel genişlik mevcuttur. En düşük noktadan (42 cm) 250 kg kaldırma kapasitesine sahiptir. Fizik tedavi merkezleri, özel klinikler, hastanelerin fizyoterapi bölümleri ve benzeri alanlarda kullanırmak üzere tasarlanmıştır.

Özellikler

► İki bölümlü ergonomik tasarım
► Gaz pistonlu sırt ayarı
► Opsiyonel motorlu sırt ayarı
► Elektrikli veya hidrolik yükseklik ayarı
► El ve a ayak kumandası
► 250 kg ağırlik taşıma kapasitesi
► Kolay hareket kabiliyeti
► Tekerlekli veya sabit kullanım
► Demir aksami statik firın boyalı
► Sünner üzeri vinleks deri kaplama
► Kullanına hazır teslimat

Ölçüler

Uzunluk : 190 cm
Genişlik: 102-120 cm
Yükseklik : 42 - 91 cm arası

Döşeme Boyutları

125 cm  65 cm
102 cm

Opsiyonel Özellikler

Ayak Kumandası  Batarya Desteği  Nefes Boşluğu  Elektrikli Sırt Ayarı  Geniş Tekerlek  Yan Korkuluk

plinth  CE  2 yıl garanti  10 yıl teknik destek
www.bilistermedikal.com
Modell 501
Tilt Masası

Bu model, rehabilitasyon ve muayeneye kadar geniş bir uygulama yelpazesini için tasarlanmıştır. Elektrikli motoru sayesinde yükseklik ve tilt hareketlerini aynı anda yapabilme özelliğine sahiptir. 360° dönen kitlenebilir tekerlekler ve hasta tutma kolları mevcuttur.

Özellikler

- Ergonomik tasarım
- Elektrikli yükseklik ve tilt hareketi
- 3 butonlu el kumandası
- 150 mm kitlenebilir tekerlekler
- 160 kg ağırlık taşıma kapasitesi
- Kolay hareket kabiliyeti
- Eklenebilir hasta masası
- Demir aksama firın statik boyalı
- Sünğer üzerine vinlesik deri kaplama
- Tilt açısı göstergesi
- Kullanımı hazır teslimat

Ölçüler

- Uzunluk : 185 cm
- Genişlik : 60 cm
- Yükseklik : 52-97 cm arası

Döşeme Boyutları

| 185 cm | 60 cm |
---|---|

Opsiyonel Özellikler

- Batarya Desteği
- Tilt Açı Göstergesi
- Hasta Masası

www.bilistermedikal.com
SPA-630

PRODUCT DETAILS

Size: 3400×2280×1360/1500mm
133.8"×89.7"×53.5/59"
Water Capacity: 1100 gal
Colour: White
Seating Capacity: 3 Person
Power Supply: 220~240V/50Hz
Shell: Acrylic

PRODUCT INTRODUCTION

A treadmill pool with dual purpose for rehabilitation training and body-building is black tech product from JNJ SPAS in 2019. The treadmill pool adopted an integration design meeting the needs of every day use for patients or healthy people, it also can match with barrier-free lifting system to carry patient into pool. By frequency conversion and two-stage transmission technology, it offers two modes: Therapy and Sport, speed scope of Therapy mode is 100meters to 1000meters per speed requirement for rehabilitation training, speed scope of Sport mode is 1000meters to 8000meters per hour which meet motion speed requirement for body-building.

<table>
<thead>
<tr>
<th>Type</th>
<th>Specification(mm)</th>
<th>Volume(m³)</th>
<th>G.K. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>hot tub</td>
<td>3450×2300×1600</td>
<td>12.7</td>
<td>1000</td>
</tr>
</tbody>
</table>

Quality:
CE /ETL/KC/ ISO9001: 2008
Hydrotherapy and Balneotherapy Catalogue

Welcome to Hydrotherapy and Balneotherapy Catalogue

Your professionalism supported by our experience

Hydrotherapy (also called water cure) is a stimulus treatment. It is one of the oldest methods in physiotherapy, using the external therapeutic effect of water - in the form of baths, showers, sills and other treatments. It utilizes the thermal, mechanical and chemical impact of water (less often electrical), thanks to which we are able to increase the overall immunity of the body, reduce stress or affect numerous diseases (musculoskeletal system, circulatory system, heart system diseases, injuries, etc.). Due to the huge variety of treatments and the intensity of stimulus doses, everyone can choose something for themselves.

Various therapies, used in the present-day hydrotherapy, take advantage of medical equipment specially designed for these purposes. Meden-Inmed has been specializing in the production of high quality hydrotherapy devices for many years. Based on many years of experience and knowledge as well as continuous effort to meet the requirements of users, we offer modern, reliable, functional and durable hydrotherapy equipment. You can find our equipment in over 70 countries. And our aim is to be helpful also in Your everyday work. That is why we hand over this catalogue to you. We hope you will find in it a lot of equipment useful in treatment of your patients.
Aqua Whirl partial bath tubs line

WKG  Whirlpool bath tub for upper limbs

- Therapist comfort: economic use of water — min. 30 l, effective hydromassage therapy via 44 nozzles, semi-automatic draining system, big diameter drain and filling system, automatic filling (option), electronic control panel, short filling/drainage time (~1,3/0,7 min.).
- Patient comfort: smooth, profiled treatment chamber, ergonomic design, swivel chair in set.

Standard colours of basin:

- Dimensions (L x W x H): 90 x 95 x 92 cm
- Capacity: 45 l

WKS  Whirlpool bath tub for lower limbs

- Therapist comfort: economic use of water — min. 45 l, effective hydromassage therapy via 38 nozzles, semi-automatic draining system, big diameter drain and filling system, automatic filling (option), electronic control panel, short filling/drainage time (~1,7/0,7 min.).
- Patient comfort: smooth, profiled treatment chamber, ergonomic design, swivel chair in set.

Standard colours of basin:

- Dimensions (L x W x H): 98 x 90 x 62 cm
- Capacity: 65 l
AQUA WHIRL – a line of professional whirlpool tubs designed for SPAs, wellness salons, hotels, rehabilitation and sports centers. Tub are perfect for hydromassage treatment of limbs and post-injury conditions, in nervous system disorders or muscular and nervous system fatigue.

WKR  Whirlpool bath tub for lower extremities and spine

- Therapist comfort: economic use of water – min. 75 l/65 l (lower limbs/bath/lower limbs+spine bath), effective hydromassage therapy via 12 adjustable direction jet nozzles, automatic filling, semi-automatic draining system, electronic control panel, short filling/drainage time (~ 2/3, 5 min.).
- Patient comfort: smooth, profiled treatment chamber, ergonomic design, steps in set.

Standard colours of basin:

Dimensions (L x W x H): 117 x 88 x 95 cm  Capacity: 210 l

WKD  Whirlpool bath tub for lower extremities

- Therapist comfort: economic use of water – min. 120 l, effective hydromassage therapy via 6 adjustable direction jet nozzles, automatic filling, semi-automatic draining system, electronic control panel, short filling/drainage time (~ 4/3 min.).
- Patient comfort: smooth, profiled treatment chamber, ergonomic design, steps in set.

Standard colours of basin:

Dimensions (L x W x H): 117 x 58 x 81 cm  Capacity: 160 l
Verlässliche Qualität
Reliable quality
Oberflächenvielfalt
Surface finish variety
System 900 is available in stainless steel, chrome and powder-coated with a deep matt finish in white, grey or black, making it versatile and allowing design options. With system 900 with powder coating, HEWI provides the possibility of designing high-contrast sanitary rooms and of highlighting the functional elements, such as folding support handles or shower seats, away from the wall with high contrast. This facilitates orientation and intuitive usability.

The use of first-class materials and their careful processing result in the outstanding, long-lasting quality of system 900. The special powder coating gives system 900 an incomparable finish. In addition to its outstanding appearance, powder coating also provides maximum corrosion protection and is therefore perfectly suited for use in sanitary rooms. In combination with optimum hygiene properties, cleaning agent resistance and highly precise processing, system 900 satisfies even the most demanding of requirements. System 900 with powder coating enables integrated solutions for all areas of the sanitary room – be it the washstand, the WC or the shower.
Integrierte Barrierefreiheit
HEWI Waschtische verfügen über integrierte Griffmulden, die dem Nutzer sicheren Halt und Stabilisation geben. Werden die seitlich angebrachten Haltegriffe nicht benötigt, können sie als praktische Handtuchhalter genutzt werden.

Platzsparende Modelle
Nicht immer sind Sanitärräume so geschnitten, dass sie ausreichend Platz für eine normgerechte, barrierefreie Lösung bieten. Kompakte Waschtische (Tiefe 415 mm) bieten aufgrund ihrer flachen Gestaltung und der integrierten Haltegriffe barrierearmen Komfort und sind besonders platzsparend.

Längenvariable Waschtische
Waschtische, die individuell auf Maß gefertigt werden, eignen sich für Nischen oder Bestandsbäder, in denen jeder Zentimeter zählt. Sie sind in zwei Tiefen (550 und 415 mm) erhältlich und nutzen den vorhandenen Platz optimal aus.

Waschtische mit Schwallkante

Integrated accessibility
HEWI washbasins have integrated recessed handles/gripping openings which give the user a secure grip and stabilisation. If the side gripping openings are not required they can be used as practical towel rails.

Space-saving models
The size and layout of sanitary rooms are not always designed to offer sufficient room for a conformant, accessibility solution. Compact washbasins (415 mm deep) with their shallow design and integrated gripping slots offer accessible comfort and convenience and are particularly space-saving.

Variable washbasin lengths
Washbasins which are individually made-to-measure are suitable for niches or existing bathrooms where every centimetre counts. They are available in two depths (550 and 415 mm) and use the available space optimally.

Washbasins with rear lip
Washbasins with a surge edge offer accessible comfort and hygienic benefits. Like all HEWI washbasins, they have no overflow. They also have a rear lip that prevents standing water gathering on the silicone joint between the basin and the wall.

The modular washbasin system can be individually supplemented by products with important additional functions. The innovative concept enables the integration of an adaptive retaining handle, which also serves as a towel rail and a modular storage system directly on the washbasin. The washbasins provide safety and ensure that all bathroom utensils such as soap dispensers, beakers and the like are always within easy reach. Depending on the necessity, the washbasin adapts to the changed individual needs of the user with the aid of profile systems.
Range 477/801 in the matt edition gives the sanitary room in hospitals, retirement homes or nursing homes a homely design alternative. Outstanding aesthetics and unrestricted functionality are not mutually exclusive.

The matt edition 477/801 range is available in various shades of white and grey. The unique assortment depth from door handle and sanitary accessories to comfort products and barrierfree elements allows consistent fixtures. Range 477/801 enables standard-compliant design, which also meets international requirements.

The velvety finish of the matt edition is achieved by a special finishing process. This creates a unique design in premium Made in Germany quality.
FİZİK TEDAVİ & REHABİLİTASYON ÜRÜNLERİ

Sanctband Egzersiz Bandı
- 6 Farklı direnç çeşitleri
- 46 metre uzunluğunda
- Yapıya malzemeden üretilmiştir
- Pudralama gerektirmez

Digi-Flex El Parmak Kuvvetlendirici Set
- 5 Farklı direnç çeşitleri
- Ergonomik yapı, denge ve konfor
- Kolay, hızlı ve başarılı rehabilitasyon süreci

Pilates Topu Seti
- 5 Farklı boyutta
- Renk Seçenekleri
- Egzersiz ve spor yapma ihtiyaçlarını karşılar

Dikenli Denge Minderi
- 35 cm çapındadır
- Denge-Stabilizasyon antrenmanları için uygun
- Mavi-Yeşil renk seçeneği

Bosu Ball Yarım Denge Topu
- Denge odaklı çalışmalar için kullanılır
- Fitness çalışmalarında yardımcı olur
- İki elastik tutma bantı, dengede kalmanıza yardımcı olur

İki Yönlü Denge Tahtası
- İki yönlü çalışma imkanı sunar
- Yüzeyi kaymaz malzemeye kaplıdır
- Propriozeptif ve rehabilitasyon egzersizleri düzenekten denge ve koordinasyon geliştirmek

Yapışkanlı Tens Elektrodu
- Kuvvetli yapışkan jeli sayesinde ekstra jile ihtiyaç duyulmaz
- Yapışkanlığı uzun süre korur
- 5x5 cm ölçülerindedir

Kinesio Ağrı Bandı
- Suya dayanıklı anti-alerjik
- Mü kemmel cilt teması
- Güçlü yapışkanlık
<table>
<thead>
<tr>
<th>Ürün</th>
<th>Image</th>
<th>Image</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Omuz Çarkı</td>
<td><img src="image1" alt="Omuz Çarkı" /></td>
<td>Pararel Bar</td>
<td><img src="image2" alt="Pararel Bar" /></td>
</tr>
<tr>
<td>Parmak Merdiveni</td>
<td><img src="image3" alt="Parmak Merdiveni" /></td>
<td>Egzersiz Kürsüsü</td>
<td><img src="image4" alt="Egzersiz Kürsüsü" /></td>
</tr>
<tr>
<td>Ahşap Duvar Barı</td>
<td><img src="image5" alt="Ahşap Duvar Barı" /></td>
<td>Çiftli Seyyar İnfraruj Lambası</td>
<td><img src="image6" alt="Çiftli Seyyar İnfraruj Lambası" /></td>
</tr>
<tr>
<td>Paslanmaz Hotpack Kazanı</td>
<td><img src="image7" alt="Paslanmaz Hotpack Kazanı" /></td>
<td>Hotpack Pedleri</td>
<td><img src="image8" alt="Hotpack Pedleri" /></td>
</tr>
<tr>
<td>Parafin Kazanı</td>
<td><img src="image9" alt="Parafin Kazanı" /></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>