



fysiomed CS

PRODUCTS  
CATALOGUE





# fysiomed CS

## **We are Czech manufacturer & supplier of physiotherapy equipment.**

Founded in 1992, we were among the first Czech companies which develop and produce physiotherapy equipment. Having gained lots of experience, we became experts in rehabilitation centers' complex planning – always focused on the individual needs of the customer.

For the last 10 years, we have been developing/forming a partnership in many countries as well as exporting products from our portfolio worldwide.

We offer the widest and the most comprehensive range of products with more than 1400 items. When including any product in our portfolio, quality and reliability are the key factors. Therefore we offer mainly our production complemented by the products of our long-term partners – with production within EU. Our comprehensive services cover everything – installation, staff training, customer service, regular inspection, testing of devices and expert advice in case of renewal or an extension of existing equipment.

### **HEADQUARTERS**

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## HYDROTHERAPY

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... also called balneology or water therapy, is part of medicine, that involves the use of water for pain relief and treatment. Includes full body bath-tubs, limbs whirlpools etc.



18

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## PHYSIOTHERAPY

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... commonly contains anything in rehabilitation. We use it for section with standard electronic devices for electrotherapy, ultrasound therapy, shock-wave and much more.



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## DIAGNOSTICS

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... originally small part including basic manual, later digital measurement devices. Nowadays most innovative field with complex rehabilitation diagnostics, often including PC analysis.

90

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## MECHANOTHERAPY

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... contains specific training machines, visually similar to fitness machines, but with many specific improvements to make sure they are suitable for patients with various limitations.

120

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## TABLES AND BEDS

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... used specifically in rehabilitation centers. Includes verticalisation tables, treatment and massage tables, gynecological couches and many others.

148

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## EXERCISING

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... including different kinds of exercise equipment, for example gym furniture, balance training equipment, balls and rolls, ergotherapy (occupational therapy) tables and much more.

# MAGELLAN

Multifunctional bath-tub [01.501.042]

HYDROTHERAPY

Multifunctional hydrotherapy tub is used to automatic underwater massage, pearl bath and chromotherapy.

Magellan can be used to automatic underwater massage. Electronic control panel and special configuration of 34 jets (5 sections: feet, ankle, knees, hips and spine) let for individual programming working sections. Additionally user can release section which he doesn't want to use during treatment. Magellan multifunctional hydrotherapy tub is equipped with electronic panel lets for programming total time of treatment, time of working particular section, automatic switch off after treatment and enables saving 20 individual programs.



## MAIN FEATURES

- » chemical disinfection – electronic controlled
- » automatic release of water – electronic controlled
- » release water from installation and pumps – electronic controlled
- » automatic filling of tub
- » coloured, touch control panel



## TECHNICAL DATA

- Working capacity – level 1: 110
- Working capacity – level 2: 220
- External Dimensions (mm) (LxWxH): 2200 x 950 x 900\*
- \*Optionally the tub is available with the height of 70 cm.

**Optionally Magellan can be equipped with coloured touch control panel, which allows for programming:**

- Total time of treatment
- Time of working every section
- Automatic turn off after finish of treatment
- Free programs – user can save 100 programs
- AutoTest – automatic test of safety working fuses

Magellan bath tub can be equipped with chromotherapy system - 24 multicoloured diodes (7 main colours and derivatived colours).

## MAIN ADVANTAGES

- economic use of water
- not using staff during whole time of treatment
- adjustable foot support for patient
- modern desing and ergonomic construction
- spoutless water filling system
- AutoTest – automatic test of safety working of fuses
- electronic, coloured touch panel



# KOLUMB

Lower extremities whirlpool – 01.501.053

HYDROTHERAPY

Lower extremities and lumbar spine whirlpool KOLUMB is very popular model of whirlpool for rehabilitation centers, fitness clubs and wellness centers. KOLUMB tub is used for whirlpool treatments of lower extremities and lumbar spine, pearl bath and chromotherapy. Ability to perform treatment both for lower extremities and lumbar spine, low costs and low water capacity (as compared to full body underwater massage tubs) make this product very useful not only for clinics but also for wellness centers.

KOLUMB tub is dedicated for whirlpool massage and consists of a system of wall-mounted 14 jets, divided into 3 independent sections with outflow water stream control. System of jets function control enables free choice of an area that is intended to be treated and also combined function of jets (7 possibilities) for example ankles and lumbar spine. Moreover due to 2 levels of filling (half or full tub) it enables saving water. During the treatment, the patient sits on a seat inside the tub.



## TECHNICAL DATA

- Working capacity – level 1: 80
- Working capacity – level 2: 210
- External Dimensions (mm) (LxWxH): 1540 x 870 x 1070

Optionally KOLUMB can be equipped with coloured touch control panel, which allows for programming:

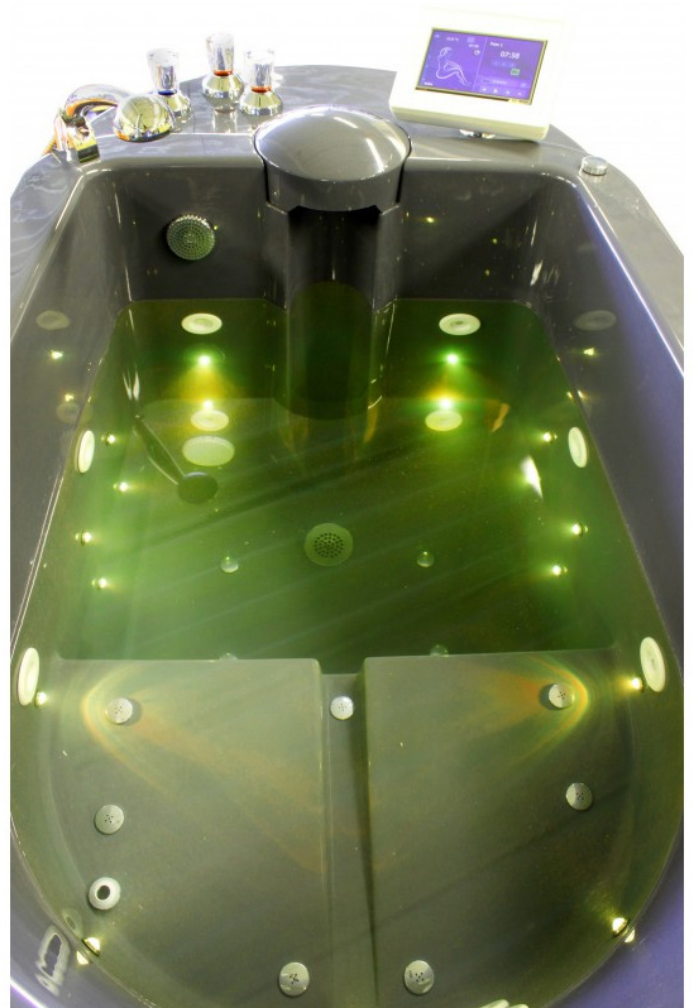
- Total time of treatment
- Automatic turn off after finish of treatment
- Free programs – user can save 100 programs
- AutoTest – automatic test of safety working fuses

Kolumb can be equipped with chromotherapy system – 20 multicoloured diodes (7 main colours and derivated colours).



## MAIN ADVANTAGES

- spoutless water filling system
- pearl bath system (55 jets: 11x5 jets)
- chromotherapy
- disinfection system
- AutoTest – automatic test of safety working of fuses
- modern design and ergonomic construction



# CASTILLO

upper extremity whirlpool – 01.501.076

HYDROTHERAPY

Modern whirlpool CASTILLO is designed to allow treatments of the hand, forearm and elbow. The whirlpool massage is applied via 10 wall-mounted jets. This low-capacity tank offers an excellent system for the treatment of the upper limbs. In standard equipment Castillo has thermomixer, which helps to easy regulate the temperature of filling water. Optionally this model of the tub can be equipped with electronic panel regulating: working time, filling level and monitoring temperature of water.

**We offer model CASTILLO in two versions:**

Castillo Basic (without electronic control panel)

Castillo (electronic control panel)





## TECHNICAL DATA

- Working capacity: 28
- Total capacity: 36
- External Dimensions (mm) (LxWxH): 950 x 1100 x 1070

## STANDARD EQUIPMENT

- 1L. kristalin disinfectant - 19.903.001
- Universal chair BETA with the height regulation: 54-79 cm - 19.220.001

## MAIN ADVANTAGES

- Tub and paneling construction
- Made of glass fibre reinforced resin
- Self-supporting construction without metal frame with six adjustable feet
- Spoutless water filling system
- Thermomixer facilitating regulation of water temperature during filling
- Economic water consumption
- Modern design and ergonomic construction



# PIZARRO

Lower Extremity whirlpool – 01.501.082

HYDROTHERAPY

Modern whirlpool PIZARRO is designed to allow treatments of the foot, ankle and shank. The whirlpool massage is applied via 6 wall-mounted jets with regulated direction of water stream flow direction. This low-capacity tank offers an excellent system for the treatment of the lower limbs. In standard equipment Pizarro has valve regulating water aeration (passive pearl massage), spoutless water filling system and thermomixer facilitating regulation of water temperature during filling.

Optionally this model of the tub can be equipped with electronic panel regulating: working time, filling level and monitoring temperature of water.

**We offer model PIZARRO in two versions:**

PIZARRO Basic (without electronic control panel)

PIZARRO (electronic control panel)



## TECHNICAL DATA

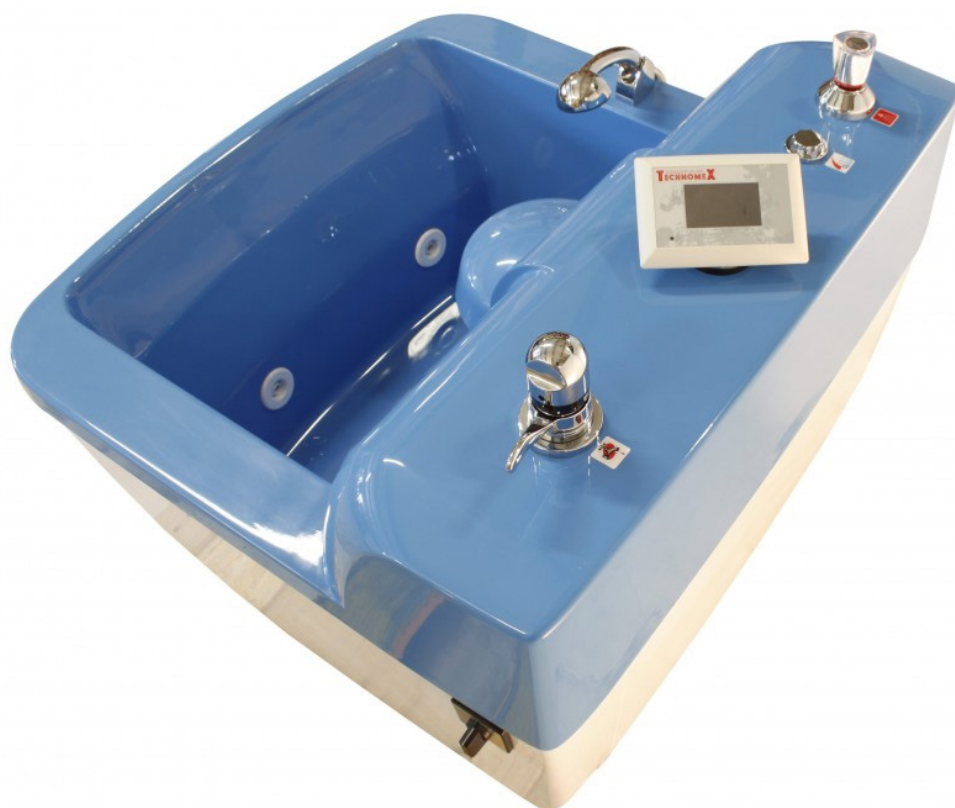
- Working capacity: 40
- Total capacity: 57
- External Dimensions (mm) (LxWxH): 890 x 880 x 750

## STANDARD EQUIPMENT

- 1L. kristalin disinfectant - 19.903.001
- Universal chair BETA with the height regulation: 54-79 cm - 19.220.001

## MAIN ADVANTAGES

- Tub and paneling construction
- Made of glass fibre reinforced resin
- Self-supporting construction without metal frame with four adjustable feet
- Spoutless water filling system
- Thermomixer facilitating regulation of water temperature during filling
- Economic water consumption
- Modern design and ergonomic construction



# TASMAN

four-chamber bath – 01.501.085

HYDROTHERAPY

Electrotherapeutic treatments in the water produce beneficial effects on various systems (nervous, circulatory) of the human body. The Four-Cell Bath allows treatment to be concentrated on a specific area of the body (lower or upper limb, one side of the body). According to the indications, the therapist can set the polarity of the electrode located in each cell and choose between galvanic, diadynamic and faradic current.

All parameters are entered via a user-friendly electronic panel. Alternating treatments use water to induce thermal stimuli on the limbs submerged in upper and lower cells with the purpose of stimulating reactions in the circulatory system. The duration of the stimulation, the water temperature and the number of cycles of cold/warm water can be set by therapist.

TASMAN – The Four-Cell Bath allows three kinds of treatment to be performed in the water environment:

- Tasman/E (electrotherapy treatment)
- Tasman/N (alternate treatment)
- Tasman/EN (combination of the above)





## TECHNICAL DATA

- Capacity: 15 (upper) / 25 (lower)
- External Dimensions (mm) (LxWxH):  
1240x1050x1000

## STANDARD EQUIPMENT

- Hand shower
- Filling system
- Electronic panel for electrotherapy and alternate water treatment settings
- Stainless steel electrodes for electrotherapy treatment
- Valve for adjusting water pressure for alternate treatment
- Thermomixer facilitating regulation of water temperature during filling
- 1L. kristalin disinfectant - 19.903.001
- Universal chair BETA with the height regulation:  
54-79 cm - 19.220.001

## MAIN ADVANTAGES

- Spoutless water filling system
- Thermomixer facilitating regulation of water temperature during filling
- Clear and intelligible electronic control panel
- Modern design and ergonomic construction



# HUBBARD TUB

T-MOT "Hubbard" tub

HYDROTHERAPY

The Hubbard Tank has long been used to allow patients requiring special care and individual attention from therapist to exercise in the water environment. Water provides gentle resistance, helping patients to unweight and relax. The tank may also allow the patient to start rehabilitation even when he is too weak to exercise.

The T-MOT can be optionally equipped with an UWM (under water massage) system complete with hose and exchangeable nozzles. The UWM system cannot be purchased separately but must be ordered with the TANK.



## TECHNICAL DATA

- Working capacity: 1 100
- Dimensions (LxWxH): 2550 x 2130 x 900
- Standard color: 5012 RAL Light Blue

## EQUIPMENT

- Filling system
- Hand shower
- Handrails
- Adjustable headrest
- 1L. kristalin disinfectant - 19.903.001

### Optional:

- 8 jets to underwater massage
- underwater massage system
- disinfection system
- Kit T-MOT





# POOLS

REHABILITATION POOLS WITH EXTRA CARE  
FOR PATIENT'S AND THERAPIST'S COMFORT

**Indications:**

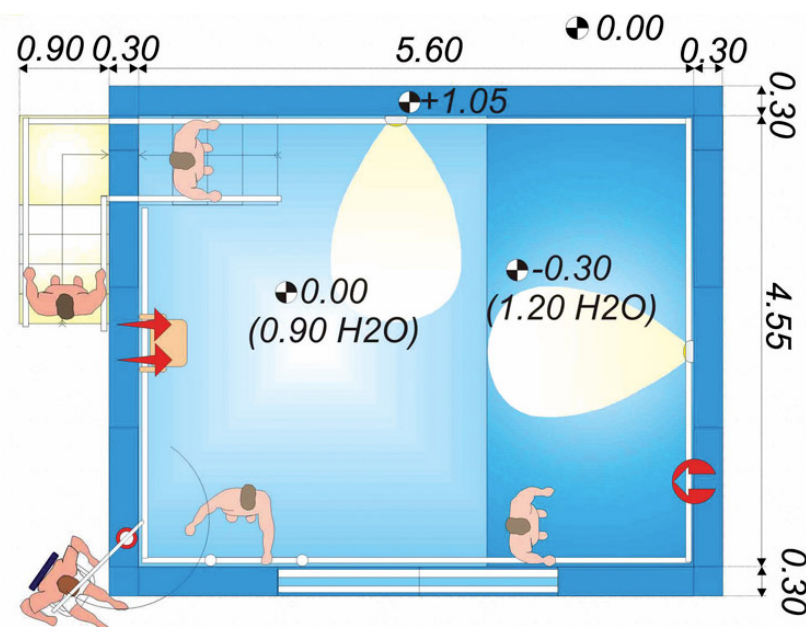
Orthopedic patients, Elderly, Acquagym Activity

Main structure composed by AISI 316 stainless steel panels with outer  
honeycombed aluminium panelling.



## SPECIFICATION

- Double Terylene reinforced PVC lining (floor and sides) – waterproof protection
- AISI 316 Stainless steel perimeter handrail
- Water treatment system composed by 22 cu.m/h filter, filtration pump 0.75 kW three-phase, skimmers, H<sub>2</sub>O pressure reducer, automatic H<sub>2</sub>O control level and general control panel
- Heat exchanger mod. 25 with with control unit
- Integrated pH and Chlorine control system substation with sensors, cells, electrode and regulator (optional)
- Patients observation window 280 cm.
- 2 underwater light 0.3 kW single-phase
- 3 hooks for exercise/training rubber bands
- Professional upstream swimming/walking system with underwater massage hose, 2.6 kW three-phase
- Hydrojet/Whirlpool with 2 jets 1.5 kW three-phase



## OPTIONAL

- Height adjustable stainless steel seat with holders
- Stainless steel wall bars (single or double span)
- Battery-operated flush-mounted patient lifter/hoist
- Bench with air jets 2x60cm
- Hydrojet/Whirlpool with 4 or 6 jets 1.5 kW three-phase
- Stainless steel access stair with anatomic handrails
- Waterfall shower
- Swan neck shower
- Complete training course on water therapy (6 days theory + practical sessions)

# PHYSYS

Electrotherapy / ultrasound / combined - 20850

PHYSIOTHERAPY

Physys: the perfect synopsis of German high-tech and 40 years experience.

Device for electrostimulation, ultrasound therapy, and combined therapy. Up to date colour touch screen technology that is quick, simple and user-friendly. Mono or dual channel stimulation for alternate or synchronised ultrasound therapy with mixed frequencies, or pre-set combined therapy options. Physys provides all features for successful treatments in a fantastic design.

Physys provides all requested therapies for optimized treatments with its electrostimulation and ultrasound therapy programs in mono or dual channels.

A single touch allows selection and modification of treatment and parameters. A single view on the 12" colour touch screen provides all necessary information. When used with its functional cart, the vaco can be integrated into the cart.

Advanced technology with modern design for the benefit of your patients.

Physys: easier and more enjoyable to use in physiotherapy.

Almost all languages from Arabic to Russian

...

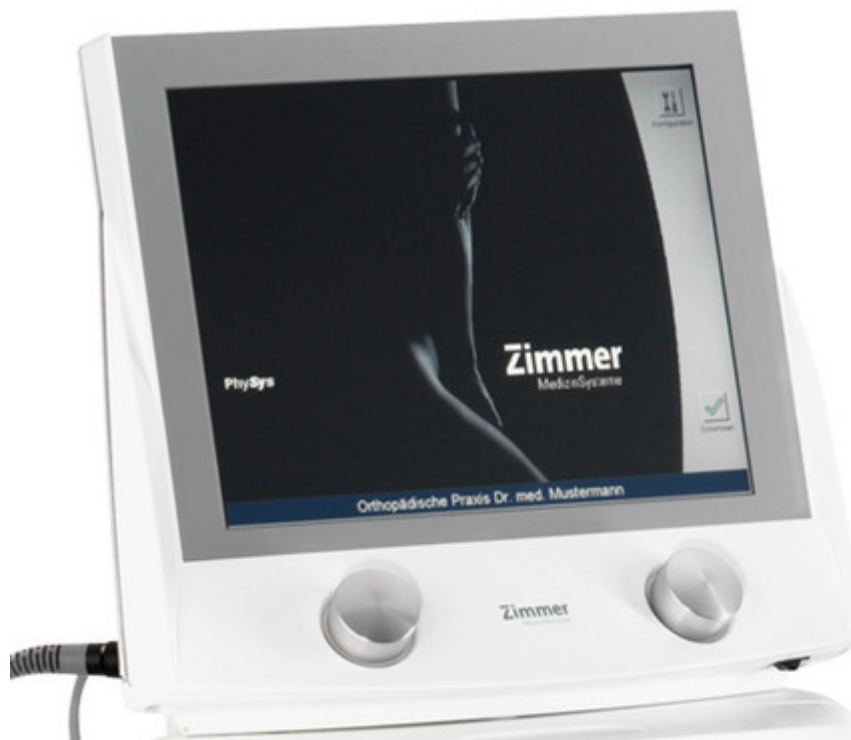


## SPECIFICATION

- 1 or 2 channel stimulation, with one or different current shapes.
- Sequential programmes, up to 3 steps.
- 0,8 / 2,4 MHz combined head frequencies for a perfect selection of the application.
- SonoSwing ( Patent pending):
- Thermal or/ and mechanical power adjustment.
- Penetration depth adjustment for a precise therapy.
- Indications: Therapy information for medical indication selected per body regions.
- I/T curve measurements, storing and comparison.
- Special settings can be stored with individual names.
- Preferred programm can be stored in a special favorite memory.
- Configuration menu for your individual setting ... and many other intelligent functions.

## APPLICATION

- Acute and Chronic Pain Treatment
- Muscle Atrophy Treatment
- Muscle Relaxation
- Muscle Training
- Muscle Rehabilitation
- Muscle Sport Training
- Metabolism Stimulation
- Treatment of Inflammations
- Muscular Diagnostic



## ELECTROTHERAPY

Channel	2 completely independent channels (Intensity and Parameters) Channel Synchronisation
Parallel / Alternating (Agon./Anti Agon.) / Individual Channel-Selection	Monostim / 1 program on 1 Channel TwinStim / 1 program on 2 Channels DuoStim / 2 different programs on 2 Channels Internal Channel Inversion
Yes Sequence-Programs	Yes, with 3 Sequences / pre-set or free Waveforms / Programs
Galvanic., Diadynamic, rectangular, Biphasic., MF Interferential, micro-current, High-Voltage, etc. Specific Programs /	Muscle rehabilitation Modules
Sport training Neuro-muscular Diagnostics and Therapy Specific Therapies Program Selection Mode	Effects / Waveform-Groups analogue Galva5 Current Distribution
Constant Current (CC) / Constant Voltage (CV) Galvanic Baseline	0% 20% 50%, at choice Change of Polarity
Manual / Automatic Pulse trains / Surge	Adjustable Free Memory
Therapy : 20 Entries / Diagnostic : 20 Entries Naming of memory	Automatic and/or by keyboard Remote Control
Optional	

## VACUUM

Application	Continuous / Pulsed Vacuum Strength
Preset for fast treatment, freely adjustable Control	By touch screen Setting
Adjustable and memorized	



## ULTRASOUND

Frequencies	0,8 MHz, profound effect 2,4 MHz, superficial effect Ultrasound head
2 Multi-frequency heads 5 cm <sup>2</sup> and 1 cm <sup>2</sup> Watertight Max. Power-Emission	3W / cm <sup>2</sup> Set of treatment depth
Patented by Zimmer Choice of desired effect	Patented by Zimmer thermal / mechanical effect or combination Coupling
Audio und optical display at the head	

## TECHNICAL DATA

Display	12" Colour touch screen display Dimensions
W 35 x H 30 x L 20 cm Weight (total)	3 kg Warranty (EC)
2 years Power Connection	100 – 230 V / 50 – 60 Hz Vacuum System
Housing	Integrated Housing for setting into the function cart Dimensions
W 33 x H 10 x L 20 cm Weight	2 kg Power Connection
100 – 230 V / 50 – 60 Hz Function cart / Syscart	Housing without the carriage
W 35 x H 100 x L 20 cm X-base	Height with carriage X-base
H 110 cm Physys on Syscart	Height
H140 cm	

# MIXING 2

Electrotherapy / ultrasound / combined - 20850

PHYSIOTHERAPY

MIXING 2 is an electrotherapy stimulator with built-in ultrasound unit.

It features two independent stimulation channels with adjustable intensity for the delivery of low and medium frequency treatment. The ultrasound unit operates at 1MHz frequency. Ultrasound operation is independent or in combination with one of the two stimulator channels.

PATIENTS DATABASE

- patients data
- pathology
- description of treatment
- treatment customisation
- evaluation of pain level at the beginning and at the end of treatment
- Our patient database provides immediate access to the customized treatment allowing it to be easily and quickly repeated.



## MAIN FEATURES

- Continuous output with maximum power of 2W/cm<sup>2</sup>
- Pulsed output with maximum power of 3W/cm<sup>2</sup>
- Pre-set programs for common pathologies
- Visual and acoustic no-contact indication
- Real treatment time (timer stops in case of bad contact)
- Ample graphic display showing all output parameters
- Facility for connection of ultrasound unit with a stimulator channel for a combination therapy
- 11 stimulation modes (types of current)
- Simple or combined pre-set treatment protocols
- User-programmable protocols for each of the 11 modes of emission
- Possibility to sequence programs belonging to the same output mode
- Constant-current/constant-voltage
- User-Friendly System
- Patients database
- Possibility to store modified programs and protocol sequences

## TECHNICAL DATA

### DEVICE

- Power supply: 115 – 230 V (±10%) 50-60Hz
- Input: 80 VA
- Safety class: I BF type
- Weight: 4,2 Kg.
- Dimensions (LxWxH): 33 x 32,8 x 23 cm

### ULTRASOUND EXTENSION

- Rated frequency: 1MHz
- Number of heads: 1
- Pulse frequency: 100Hz
- Output: continuous and pulsed
- Intensity: 0 ÷ 2W/cm<sup>2</sup> continuous
- 0 ÷ 3W/cm<sup>2</sup> pulsed
- Head: 1MHz, 5 cm<sup>2</sup> with no-contact
- light indication, suitable for
- underwater treatments
- Time: 0 ÷ 30 min

## OPTIONAL

- Cable with 2 mm plug (C/SP)
- Point Electrode (M/SP-P)
- Vaginal electrode (EV/1)
- Vaginal electrode (EV/2)
- Vaginal electrode (EV/3)
- Vaginal electrode (EV/4)
- Anal electrode (EL/A)
- Evoline bag (A02.00241)
- Evoline trolley (A01.00056)

# PRIMO 860

Electrotherapy / ultrasound / combined - 20850

PHYSIOTHERAPY

Combination therapy involves the simultaneous application of ultrasound with an electrical stimulation therapy.

By combining ultrasound with interferential therapy, the advantages and effects of each treatment modality can be realised – but lower intensities are used to achieve the effect. The accommodation effects that normally accompany interferential therapy are reduced (or even eliminated). The main advantages of such a combination are in localising lesions (especially chronic), in ensuring accurate localisation of ultrasound treatment to provide increased accuracy / effectiveness in treating deeper lesions, and in treating trigger points.

Therapeutic ultrasound may be applied to a wide range of conditions with successful outcomes. These include acute and subacute traumatic and inflammatory conditions, chronic rheumatoid and arthritic conditions, scar and excessive fibrous tissue and for pain relief.





## MAIN FEATURES

- Touch screen technology
- Dual frequency ultrasound (1 MHz and 3MHz)
- Three carrier frequencies – 2kHz, 4kHz, and 8kHz
- Vector facility
- 0-100mA peak constant current or 0-70/140V peak constant voltage, depending upon mode
- Stimulation outputs: two and four pole interferential, Diadynamic, TENS, Sinusoidal, Galvanic and interrupted galvanic, Faradic, Trabert, Medi-Wave, Russian & Microcurrent output
- Diagnostic feature to help locate difficult to pinpoint lesions
- Treatment protocols: Pressure Ulcers, Chronic Venous Ulcers, Trigger Point Low irritability, Tendon Injury/ Lesion, Chronic Osteoarthritis, Rheumatoid Arthritis, Tennis Elbow, Carpal Tunnel, Fibromyalgia, Soft Tissue Stretch, Impingement Syndrome, Calcific Tendonitis, Perineal Pain (Persistent), Perineal Pain (Partum), Pain relief, Oedema, Stimulate local bloodflow, OA Knee, Chronic low back pain, Acute low back pain, Fibromyalgia, Trigger points, Post operative knee pain, Fracture healing, Stress incontinence, Urge incontinence, Constipation (children)
- 2 independent output channels which allows 2 different treatments
- Operates in conjunction with EMS vacuum unit if required
- Mains powered as standard, optional battery available

## ACCESSORIES



# SONOSTIM

Electrotherapy / ultrasound / combined - 20850

PHYSIOTHERAPY

The new Sonostim HT is an advanced and complete device combining 1/3 MHz multifrequency ultrasound and universal electrotherapy made for professional users.

The Sonostim HT is provided with a special ergonomic head capable to generate 1 or 3 MHz frequency but can also combine both frequencies allowing penetration into different cellular layers at the same time. Pulsed and continuous emission up to 15 W (3 W/cm<sup>2</sup>).

Provided with a special device attesting no-coupling and contact between the head and the patient's skin, with an acoustic and visual signal. The Sonostim HT has 2 independent patient circuits, allowing application of two different current forms at the same time.

## **Low frequency currents:**

biphasic, Tens, diadynamic, faradic, galvanic, ionophoresis, triangular, ultra-reiz

## **Medium frequency currents:**

IF bipolar, IF quadripolar, IF isoplanar, IF vectorial, MF stimulation, isodynamic, Kotz



## MAIN FEATURES

All the functions are visualized on a large color LCD. In addition to the usual and traditional keys and buttons, it is possible to adjust every parameter on the touchscreen.

The versatile Windows CE operating system ensures possible upgrading.

A wide range of preset protocols with body maps is available for setting most important therapies into the fields of physical therapy, sports medicine, orthopedics, vascular and aesthetic medicine.

After a pathology is chosen, the screen will show the body parts to be treated and the unit will suggest the parameter values to set.

Free memories for entering customized protocols.

## STANDARD ACCESORIES

20644 – US multi-frequency head 5 cm<sup>2</sup>

30600 – Sonocol – 250 cc

37115 – SCR flexible electrode nr. 2 - 4x

37702 – chamex cover nr. 2

37726 – Fysiomed elasto-strap – 90 cm - 2x

37731 – black patient cable - 2x

37732 – red patient cable - 2x

37736 – power cable

37737 – motor point electrode

## TECHNICAL DATA

### **ultrasound:**

- 1-3 MHz
- continuous and pulsed (from 20% to 80%)
- modulation from 1 to 200 Hz
- multifrequency head 5 cm<sup>2</sup>
- 3 W/cm<sup>2</sup> max.
- low BNR
- contact control
- 2 independent patient circuits
- low frequency currents: 76,5 mA (153 mAp)
- medium frequency currents: 127 mA (153 mAp)
- frequency from 2,5 to 20 kHz
- color touchscreen 400 x 800 pixels
- power supply: 115-230 V~ 50/60 Hz
- consumed power: 80 VA
- dimensions: 40 x 30 x 23 cm
- safety class: class I type B according to IEC 601-1
- Directive EEC 93/42: IIa
- marking: CE 1639

# SONOTRONIC

Modern ultrasound unit - type US-2

PHYSIOTHERAPY

## CHARACTERISTICS

- Big, color graphic screen (4,3") with touch panel.
- User-friendly operation by touch screen and buttons.
- Double-frequency probes:
  - 1MHz and 3,3MHz in 5cm<sup>2</sup> or 1cm<sup>2</sup> size
- Continuous and pulsed work mode
- Two ergonomic handle versions
- Water-resistant probes
- Regulation of impulse duty factor is smooth or discreet
- Sound and visual signal of contact of the probe with patient
- Ready to use programs for typical illnesses
- User's own programs – with easy to use screen keyboard
- Counters of number and time of treatments
- degenerative joint diseases
- inflammatory states
- pain syndromes
- rheumatic diseases
- post-traumatic states, fractures, contusions
- neuralgia, neuritis
- ulceration, scars
- selected internal diseases
- contracture





## TECHNICAL DATA

continuous power	2,5W/cm <sup>2</sup>
peak pulse power	3W/cm <sup>2</sup>
radiation frequency	1MHz or 3,3MHz
pulse frequency	10-150Hz
smooth:	5 - 100%, one step 5%
discreet:	6,25%; 12,5%; 25%; 50%

## ACCESSORIES

### standard

- Standard
- therapy gel
- User's manual
- spare fuse

### optional

- ultrasound heads:
  - SU-5: 5cm<sup>2</sup> area; 1MHz and 3,3MHz frequency
  - SU-1: 1,33cm<sup>2</sup> area; 1MHz and 3,3MHz frequency
- transportation bag



# VACO 2000

Vacuum therapy unit

PHYSIOTHERAPY

Vacuum unit for easy and quick placement of vacuum electrodes. Bipolar and quadripolar applications are possible.

Continuous and pulsed suction power adjustable from 0,05 to 0,15 bar. The VAC 2000 can be connected to the Neodiadyne 2000 or other electrotherapy units.

Standard accessories

2 x art. 10436 red vacuum cable

2 x art. 10437 white vacuum cable

4 x art. 10438 vacuum electrode Ø 60 mm

1 x art. 10440 connection cable

1 x art. 37736 power cable

4 x art. 37789 sponge Ø 60 mm



# DIMAP V4

Magnetic therapy device

PHYSIOTHERAPY

The Dimap is an electro-biological unit that generates low frequency pulsed magnetic fields. This field penetrates the human body painless and with minimum side effects.

The field penetrates deep into the tissue and lymphatic system where massages, resulting in cellular exchange and stimulated blood circulation, increase the oxygen supply for the whole body.

The Dimap unit features many changeable therapeutic applicators. This microprocessor controlled unit generates well-tested application sequences.

**Reccomanded set of aplicators:**

A1H + A2H with strap PF + A3H + S2H + S1H60



# MICROWAVE HT

Microwave diathermy unit

PHYSIOTHERAPY

The new Microwave HT is an advanced and complete microwave therapy device for professionals with continuous and pulsed emission modes. Safety is ensured by the new high insulated microwaves generator. A wide range of radiators allows the operator to perform every treatment.

All the functions are visualized on a large color LCD. In addition to the usual and traditional keys and buttons, it is possible to adjust every parameter on the touchscreen.

The versatile Windows CE operating system ensures possible upgrading.

A wide range of preset protocols with body maps is available. After a pathology is chosen, the screen will show the body parts to be treated and the unit will suggest the parameter values to set.

Free memories for entering customized protocols.

- frequency: 2450 MHz
- emission: continuous and pulsed
- duty cycle: from 20% to 80%
- pulse per second: from 1 to 4
- pulse width: continuously adjustable (more than 10 steps)
- continuous power: 250 W
- peak power: 1600 W
- treatment time: from 0 to 30 minutes
- color touchscreen 400 x 800 pixels
- power supply: 230 V~ 50/60 Hz
- consumed power: 800 VA
- dimensions: 40 x 37 x 90 cm
- weight: 35 kg
- safety class: class I type B according to IEC 601-1
- Directive EEC 93/42: IIb
- marking: CE 1639



# FYSIOPULS

Shortwave diathermy unit

PHYSIOTHERAPY

The Fysiopuls Automatic is a versatile shortwave unit with an automatic tuning device, suitable for “continuous” and “pulsed” therapy. A specially designed microprocessor controls the different parameters: adjustable intensity, continuous and pulsed mode, treatment time and patient safety system.

The unit is suitable for thermal and athermal treatments. For thermal effects and deep heating, the continuous emission is applied. Therapy in continuous mode increases the circulation and stimulates the metabolism. The continuous mode has an output of 400 W. For administering energy and molecular activation without thermal sensation, the pulsed emission is used, for ex. in case of inflammation and presence of osteosynthetic material. The pulsed mode has a peak power output of 1000 W, the average power is much lower.

## TECHNICAL DATA

- functions controlled by microprocessor
- digital output power setting
- digital indication of the power
- indication of modes: Continuous, P1 to P5 (pulsed)
- timer with memory function – 30 min. – adjustable per minute
- wide range of electrodes
- metal housing mounted on large pivoting castors
- mains: 230 V – 50 Hz
- consumed power: 700 VA max.
- frequency: 27,12 MHz
- HF power: 400 W continuous / 1000 W pulsed (peak)
- pulse time: 400  $\mu$ s
- adjustable pulse frequency from 100 to 300 Hz
- dimensions: 500 x 310 x 870 mm
- weight: 45 kg
- safety class: class I type BF according to IEC 601-1
- marking: CE 1639





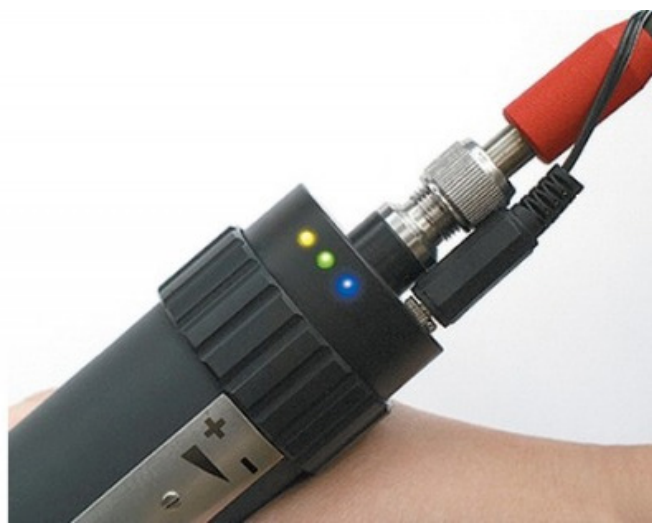
# CRYO-T DUO

Cryotherapy (cold-therapy) device - 6012009

PHYSIOTHERAPY

Cryostimulation is of the most important methods in modern physiotherapy. This is universally recognised solution which is perfectly safe, effective and brings no side effects. One of its greatest advantages is that it helps to reduce pain and to shorten postoperative rehabilitation, for example, after reconstructive joint surgeries.

Cryostimulation and neurocryostimulation is an application of cryogenic temperature (from  $-80^{\circ}\text{C}$  to  $-140^{\circ}\text{C}$ ) for a short time (120 – 180 seconds) in order to trigger physiological reaction to the cold. The effects of such treatment include metabolism boost, enzymatic activation, pain reduction, blood pressure increase etc. Therefore, it is extremely helpful in healing various local disorders or injuries.



## MAIN FEATURES

- diseases of the locomotors system of various etiology,
- diseases of the central and peripheral nervous system,
- diseases of the mental origin neurosis and depression syndrome,
- diseases of the autoimmunological origin,
- sports medicine
- widely understood spa and wellness.

One cycle of cryotherapy usually consist of 10 – 30 procedures performed once or twice a day. However, in twice a day option, there should be 4 – 6 hour break between treatments. Local criostimulation is a part of cryorehabilitation. Immediately after the procedure, patients undergo kinesiotherapy which is individual exercises lasting 30 – 60 minutes.

**Cryo-T DUO is our best devices for cryostimulation all important for good rehabilitation process part of human body**

## ADVANTAGES

- 40 – 60 minutes of continuous work with one
- 10 l. capacity gas cylinder (depending on nozzle size)
- fast and easy gas cylinder replacement (siphon type gas cylinder)
- safe for patient and personnel
- no gas losses regardless of storage period
- gas available in wide medical and technical gases
- distribution network
- aesthetic look

## USAGE

- Physiotherapy
- Traumatology
- Rheumatology
- Rehabilitation
- Orthopaedics
- Pain syndrome
- Sports medicine
- Aesthetic medicine

## APPLICATION

- rheumatic and degenerative joint diseases
- after injuries and contusions (during reconstructive phase)
- post-operative rehabilitation
- increased muscle tone and spasticity
- pain syndromes and neuralgias
- excessive weight and obesity (it increases a cellular metabolism)
- aesthetic medicine – controlling a cellulite (in conjunction with pneumatic compression massage)

# CRYO 6

Unique cryotherapy device

PHYSIOTHERAPY

## **Cryo 6 – 30°C Cold Air - The Skin Cooling System. Designed for Superficial Aesthetic Procedures**

Unlike other cooling methods such as contact cooling, cryogen spray or ice packs, the Cryo 6 can cool the epidermis before, during and after laser energy has been applied without interfering with the laser beam. The Cryo 6 Cold Air Device is intended to minimize pain and thermal injury during laser and dermatological treatments and for temporary topical anesthetic relief for injections.

### **Easy to Operate**

A large display clearly indicates all treatment parameters. The Cryo 6 features a tactile glass keyboard which permits the selection of treatment time and air flow settings. Press “Start.” That’s it!

An optional articulating arm facilitates hands free operation. The light weight application hose can be connected to the Zimmer adapter to permit controlled spot cooling for hard to treat areas. Clinicians can easily regulate the air flow as needed.

### **Economic**

Ambient room air is filtered and cooled down to -30° C by a closed loop cooling circuit. Cost efficient: no consumables or additional costs.

### **Powerful**

Full day operation with no downtime.

### **Practical**

A custom-designed glass shelf just where you need it for a laser, smoke evacuator or accessories. Unlike other cooling methods such as contact cooling, cryogen spray or ice packs, the Cryo 6 can cool the epidermis before, during and after laser energy has been applied, without interfering with the laser beam.



# STIRRING UNIT

Mixer for fango

PHYSIOTHERAPY

## 29521 – Fango stirring unit type AR 50

- microprocessor controlled mixer for fango
- mounted on a carriage or heating cabinet
- contents 50 litres or approximately 70 kg fango
- selection of temperature between 55° and 80°C
- stirring: continuous or interval
- program for automatic sterilisation at 130°C
- weekend program for energy saving: programs the moment
- when sterilised fango can be tapped again after the agitator was switched off during the weekend
- 400 V DC or 230 V AC – consumption: 3,18 kW
- dimensions: w 53 x d 53 x h 64,5 cm – weight: 70 kg – CE

## 29531 – Heating cabinet type FW 4060

- for storage of heated or sterilised fango
- can be used as carriage for fango stirring unit
- complete with 14 shelves of 400 x 600 mm
- microprocessor controlled with digital indication of the temperature
- built-in timer with separate circuit for week or weekend
- 230 V – 50 Hz – consumption: 1,85 kW
- dimensions: w 65 x d 71 x h 82 cm – CE



# HEAT THERAPY

Fango heaters and micro-hot packs

PHYSIOTHERAPY

## Packheater - 29411/29412



- Material: stainless steel
- Types: 32L/17L
- Thermostat 30-90 ° C.
- Both types are equipped with discharge valve
- At the bottom of the protective grille, stainless steel cover (not shown)
- 230 – 1200 W
- CE label

## MICRO-HOT

This hot pack can be warmed up in the microwave during 2 to 3 minutes but also in the compress heater – thick and flexible – filled with green loam – remains warm for a long time.

**30321 – Mikro-Hot – 20 x 40 cm**

**30322 – Mikro-Hot – 30 x 40 cm**

**30323 – Mikro-Hot Cervical – 60 x 19 cm**



## Paraffin bath FANGO 13I



- capacity 12 l
- WxLxH 540 x 330 x 220
- mechanical thermostat 30 – 90°C
- 230V, 1170 W



## Paraffin bath FANGO 28 – 29528

- capacity 2x24 l
- WxLxH 860 x 600 x 900
- 230V, 1170 W

Type 2-28 has separate thermostats for each tray, then you can set different temperatures.



## Paraffin bath FANGO 28E – 29510

- capacity 24 l
- WxLxH 600 x 420 x 280
- mechanical thermostat 50 – 65 °C
- automatic sterilization
- 230V, 1170 W



## Paraffin bath FANGO 56 – 29528B

- capacity 56 l
- WxLxH 860 x 600 x 900
- electronic thermostat 50 – 65 °C
- automatic sterilization



All the baths are stainless models with thermostat, double bottom, using a mixture of paraffin and fango (manual mixing), the possibility of sterilization.



# THERMOPRESS

Hot and cold therapy - unique device

PHYSIOTHERAPY

Thermopress is a revolutionary solution for all treatments requiring hot and cold therapy. It is now possible to heat or cool any part of the body by connecting Thermopress to specific bandages that will transfer the requested temperature to the patient. Therapist may add a massage during treatment to increase effectiveness. The range of temperature is from 0° to 40° Celsius (32° to 104° F).

## ADVANTAGES

- Precise temperature control
- Database of Preset Programs for most common pathologies (which allow users to find the recommended precise temperatures into the machine)
- Automatic operation, no need of therapist assistance during treatment
- Hot / Cold cycles could be user defined, for the advanced use
- Massage option available, mostly for chronic patients
- Safest cryotherapy machine in the market
- Patient database with patient info, pathologies treated, pain level and much more.



## MAIN FEATURES

- Possibility of operating at steady temperature or with cycles
- 4 different basic programs:
  1. Cold (pause is possible)
  2. Hot (pause is possible)
  3. Cold + hot (pause is possible)
  4. Any of the previous three plus massage option

## STANDARD EQUIPMENT

- 1 pc. – Temperature Transfer Pipe to be connected to the optional bandages (1ACS402)
- 1 pc. – Funnel
- 2l – Cooling refrigerant (3LIQ003)
- 1 pc. – Power cable (C/A)

## OPTIONAL EQUIPMENT

- Lumbar bandage [5] (1ACS207)
- Shoulder bandage [6] (1ACS208)
- Elbow / Wrist bandage [7] (1ACS216)
- Thigh bandage [8] (1ACS205)
- Knee / Calf bandage [9] (1ACS206)
- Ankle bandage [10] (1ACS203)

## TECHNICAL DATA

**Power Supply:**

230 V~, 50 Hz

**Power Input:** 410 W**Max. No. of cycles:** 20**Cold temperature range:**

5° – 15°C

**Hot temperature range:**

25° – 40°C

**Action Time cold cycle:**

1 – 60 min

**Pause Time cold cycle:**

0 – 60 min.

**Action Time hot cycle:**

1 – 60 min.

**Pause Time Hot cycle:**

0 – 60 min.

**Action Time massage:**

2 – 10 s.

**Pause Time massage:**

2 – 10 s.

**Dimensions (WxDxH):**

36 x 60 x 97 cm

**Weight:**

31 Kg.

**Safety Class:**

I type BF

(CEI EN 60601-1, IEC 601-2-6)

# LYMPHACTIF

Pressotherapy

PHYSIOTHERAPY

**The Lymphactif is a machine which offers an enormous expansion and an excellent supplement for the treatment of circulatory disorders and affections of the lymphatic system.**

The Lymphactif HT features different programs: alternative, sequential, compressive, physiologic and optional programs.

This possibility offers differential treatment to affect the circulation at different levels:

- alternative mode: superficial action
- sequential mode: intermediary action
- compressive mode: profound action by complete compression of the limb
- the optional programs allow to store individual preferences
- The Lymphactif HT ensures an optimal drainage thanks to following characteristics:

## TECHNICAL DATA

- 8 outputs
- emission: continuous, modulated, cycling
- max. pressure: 180 mbar
- preset therapeutic protocols: 22 + 9
- color touchscreen 400 x 800 pixels
- power supply: 115-230 V~ 50/60 Hz
- consumed power: 100 VA
- dimensions: 41 x 42 x 18 cm
- weight: 6,5 kg
- safety class: class I type BF according to IEC 601-1
- Directive EEC 93/42: IIa
- marking: CE 1639



# E-SHOCK HT

Shock wave therapy unit

PHYSIOTHERAPY

The new E-Shock HT is an innovative device for performing extra-corporeal shock-waves therapy. The electropneumatic system requires almost no maintenance. Usually, a simple regeneration of the applicator and a general check of the instrument itself is necessary.

The "Large-Focus" shock-wave applicator is capable to generate and transmit mid and high energy shock-waves into the different cellular layers, respecting the patient's comfort.

All the functions are visualized on a large color LCD. In addition to the usual and traditional keys and buttons, it is possible to adjust every parameter on the touchscreen. The versatile Windows CE operating system ensures possible upgrading. A wide range of preset protocols with body maps is available. After a pathology is chosen, the screen will show the body parts to be treated and the unit will suggest the parameter values to set. Free memories for entering customized protocols.

## TECHNICAL DATA

- max. pressure: 5 bar
- frequency: 1 to 15 Hz
- emission mode: Large Focus
- max. penetration of focus:  $\pm 55$  mm
- max. penetration of shock-wave:  $\pm 70$  mm
- wheeled frame with drawers
- color touchscreen 400x800 pixels
- power supply: 115-230 V~ 50/60 Hz
- consumed power: 1000 VA
- dimensions: 40 x 30 x 90 cm
- safety class: class I type BF according to IEC 601-1
- Directive EEC 93/42: IIb
- marking: CE 1639





# APT 5 TRAINER

Motomed for active and passive mobilisation

PHYSIOTHERAPY

Universal electronically controlled trainer for active and passive mobilisation of the upper as well as the lower limbs. This revolutionary concept makes expensive accessories superfluous. The height and the length of the crank are easily adjusted to provide a variable range of motion.

The passive mode is a powered movement at regulated speeds, for exercise of limbs that have limited or no muscle power. An unique auto-reverse feature reverses the direction in case of a muscle seizure so that the affected muscles are released. The active mode enables a wide range of exercises, either workload dependent, where the resistance

level is constant regardless of pedal speed, or isokinetic where resistance increases as speed increases. The favourable price and the many possibilities make the APT a very profitable instrument for rehabilitation of movement and ameliorate the general condition of persons with mobility disorders.

## Options

- 25381 – heart beat kit – only for APT 5
- 25384 – pair of hemi-grips
- 25385 – pair of universal footrests
- 25386 – pair of high leg supports
- 25387 – pair of straight handgrips
- 25388 – pair of angled handgrips
- 25389 – remote control – only for APT 1
- 25391 – counter – only for APT 1



# STANDY WING

Verticalization stand with electric motor

PHYSIOTHERAPY

For maximal autonomy is this special and ergonomic standing table with electric motor very suitable – completely adjustable lacquered frame – on castors with brakes – wooden varnished footboard with heelrests -wooden inclineable table – pulling band with safety buckles – adjustable knee pads – ergonomic push-button panel to control the standing up and the descent by using the automatic and memorised programming - after the first lift the program memorises the distance enabling the patient to stand or sit by simply pressing the red button – change of the route and manual use is always possible.

Options

29681 – chest, head and back support

29682 – lateral support

## TECHNICAL DATA

Max height 124cm

Basic width 75cm

Length 103cm

Max. width 80cm

Max length 113cm

Mains/frequence  $v=220V/50Hz$

Power max.  $P=400 (W)$

Class CLASS I

Safety class IPX1

Weight kg 62

Max. weight (usage) Kg 150



# FISIOTEK 3000

Passive mobilisation of knee, hip and ankle

PHYSIOTHERAPY

Microprocessor controlled unit for passive mobilisation of knee and hip - adjustable speed, force and work time - built-in 24V alimentation

The Fisiotek 3000 has a programming console with cognitive display, clear images and easy to set parameters.

Mobile programming keyboard, listing all the functions, for versatile use at the professional level and at home.

## TECHNICAL DATA

range knee movement: 0° - 110°  
range hip movement: 7° - 115°  
speed: 0,8°/s - 3,5°/s  
force: 0 - 40 kg  
warm up cycles via menu  
pause during extension  
pause during flexion  
mains supply: 90/250V 50/60Hz  
safety class: class 1B standard EN 60601-2  
CE directive 93/42: class IIa  
weight: 14 kg



# FISIOTEK HP2

Passive mobilisation of the shoulder and elbow

PHYSIOTHERAPY

The Fisiotek HP2 is a microprocessor controlled device for the passive mobilisation of the shoulder, and the elbow and wrist with specific accessories. The Fisiotek HP2 has a separate memory card, that stores the operational data of the instrument for each individual patient. This makes instrument preparation easier and faster following the first rehabilitation session for subsequent sessions. The Fisiotek HP2 also has a function defined as “warm-up”, which has the purpose of warming up the treated joint through several movement cycles having a work angle less than the one reached during the previous session.

## TECHNICAL DATA

speed in both directions: min. 1,5°/sec - max. 5,5°/sec work time

treatment time

automatic increase of the amplitude of movement on both limits

pause on both limits of movement

warm-up cycles

mains supply: 85/260V 50/60Hz

safety class: class 1B standard EN 60601-2

CE directive 93/94: class IIa

weight: 77 kg





# LOKOSTATION

Locomotion therapy / neurologic stimulation

DIAGNOSTICS





## THERAPY WITH SAFETY

For more than 20 years, treadmill therapy has established itself as a successful, evidence-based therapeutic means for gait recovery and rehabilitation after stroke, after spinal and head injuries, and after infant cerebral palsy. Studies show that treadmill therapy with body weight support is superior to conventional walking, since the number of repetitions of standing- and swinging-leg cycles is generally greater. This means that in the long term, clear improvement of walking ability is to be expected.

## CONTINUOUSLY VARIABLE PATIENT BODY WEIGHT SUPPORT

With the LokoStation, partial body weight support of the patient is made possible. It allows for weight support to be controlled in a continuously variable manner by means of the therapist using a crank (minimal exertion necessary!) and can be readjusted at any time.

## 2-POINT SUSPENSION

The LokoStation's 2-point suspension ensures optimal rotational stability for the patient. Asymmetrical support is possible through direct adjustment of cable length. Fixing of the patient's center of mass is possible using elastic bands on the railings.

## DYNAMIC BODY WEIGHT SUPPORT

In addition to static body weight support, the LokoStation also allows dynamic body weight support. With dynamic weight support, the previously set support weight provides for uniform support during the entire gait cycle, since the support weight of the vertical movement of the centre of mass is always tracked. This special form of dynamic weight support has the advantage that for the safety of the patient, vertical movement is limited using upper and lower stops. The patient can thus move within a defined area without falling, and is thereby guided precisely and in complete safety.

## HIGH LEVEL OF PATIENT SAFETY

The LokoStation ensures a high degree of safety when used with patients. It not only gives the patient a tremendous sense of security during treadmill training, but also supports the therapist during therapy. The patient harness reliably prevents falls. The walking surface of the treadmill is outfitted with an additional safety brake which prevents unwanted movement of the walking surface during preparation of the patient.

## ACCESS TO THE PATIENT FROM ALL SIDES

The entire structure is designed with the special requirement of locomotion therapy in mind – to be able to reach the patient from all sides – and allows absolutely unhindered work with the patient and thereby the correction of body and joint position. Furthermore, this design allows the use of a mirror within the field of view of the patient. Seats mounted on the side of the treadmill are individually adjustable and enable a comfortable seating position for the therapist during manual therapy.

## WHEELCHAIR RAMP

The LokoStation is equipped with a wheelchair ramp, which enables comfortable loading of the patient onto the walking surface while still seated in a wheelchair. Longer wheelchair ramps and platforms for horizontal loading onto the treadmill are optionally available, according to space available.

## LOW COST OF OPERATION

The LokoStation is a purely mechanical system which functions without additional equipment and/or electrical power or complex control routines and is thus ideal for use in physical therapy. Use is uncomplicated and operation costs are correspondingly low.

		LokoStation for PPS 55 / PPS 70
Standard features	<i>Body Weight Support System</i>	Static and dynamic
	<i>Suspension Points</i>	2-point suspension
	<i>Weight Support</i>	Symmetric and asymmetric support
	<i>Therapist's Seat</i>	2 side seats – adjustable height and may be set horizontally to the walking surface
	<i>Wheelchair Ramp</i>	Wheelchair ramp with handrails, 177 cm long Inclination ~13° = approx. 23%
	<i>Front Handrail</i>	Foldable crossbar
	<i>Hip Joint / Pelvis Stabilisation</i>	2 elastic bands with quick-release fastener for stabilisation of the patient's hips
	<i>Patient Harness</i>	1 harness included, selectable size
	<i>Weight Indicators</i>	2 weight indicators for the left and right sides of the body in dynamic mode
	<i>Max. Patient Weight</i>	160 kg
	<i>Max. Body Weight Support</i>	Static 160 kg Dynamic 2 x 38 kg
	<i>Access to the Patient</i>	From all sides
	<i>Dimensions L x W x H</i>	LokoStation 55: 377 x 149 x 278 cm Loko Station 70: 377 x 164 x 278 cm
<i>Weight</i>	Approx. 450 kg (without treadmill surface)	

# LOKOHELP

LOKOHELP Gait Trainer / Neurologic stimulation

DIAGNOSTICS

The LokoHelp Gait Trainer was developed to relieve therapists of the labour-intensive task of guiding the patient's legs during locomotion therapy and to provide more efficient treadmill therapy for severely affected patients. It not only provides physical relief to the therapist, but also improves gait symmetry and the quality of therapy for the patient. Since therapy can only be carried out by a therapist, it greatly reduces the personal exertion required to work with severely affected patients.

LokoHelp is patented worldwide and is based on the "end effector" principle (this means that support is provided to the feet and the patient actively controls the knee and hip joints). Locomotion therapy using the LokoHelp not only saves the therapist from great physical stresses, but also reduces the personal effort required. With the LokoHelp, climbing is possible using the treadmill, facilitating the hip extension and dorsal muscle strength necessary for successful locomotion therapy (depends on the availability of this function on the treadmill).





Active knee and hip extension, active impact on the foot sole and postural control are possible and improve treatment results. The synchronised speed of the treadmill and LokoHelp is protected at all times within the servo drive using a master & slave circuit. With this design, LokoHelp enables consistent and symmetric leg guidance.

LokoHelp can be easily removed from the treadmill, thus allowing multifunctional use of the treadmill with body weight support.



WOODWAY's locomotion therapy products (slatbelt treadmill, body weight support system and LokoHelp gait trainer) can be successfully used for the following indications and goals:

**For impaired walking ability among:**

- Patients with spinal paralysis
- Stroke patients
- Patients with traumatic brain injury
- Patients with infant cerebral palsy
- Patients with Parkinson's disease
- Patients with multiple sclerosis

- Patients with Guillain-Barré syndrome and other neurological disorders
- Patients after hip and knee replacement
- Geriatric and orthopaedic patients

**For improvement of:**

- Walking speed, walking endurance
- Gait symmetry and stride length
- Joint mobility, muscle length
- Cardiovascular function

For spasticity reduction

For research in field of locomotion therapy



## GAIT TRAINER SYSTEM CHECKLIST

	LokoHelp	Alternative Product
Has the effectiveness of the gait trainer been demonstrated in research studies?	<input checked="" type="checkbox"/>	?
Is the product based on current scientific data regarding the efficacy of "end effector" gait trainers?	<input checked="" type="checkbox"/>	?
With the purchase of this product, am I choosing a therapy which promises success at the same time as being cost-effective?	<input checked="" type="checkbox"/>	?
Will the equipment be free from potentially long downtimes arising from failure of vulnerable electrical parts?	<input checked="" type="checkbox"/>	?
Will costly accessories lacking proven therapeutic usefulness be avoided?	<input checked="" type="checkbox"/>	?
Is the gait trainer easy to learn and use, and free from the need to have computer skills?	<input checked="" type="checkbox"/>	?
Is the patient prep time short enough that within a therapy session of 20 minutes, the patient can make the 800 - 1000 steps required for successful gait therapy?	<input checked="" type="checkbox"/>	?
With this equipment, am I able to maximize the number of therapy sessions possible?	<input checked="" type="checkbox"/>	?
Is the physical stress experienced by the therapist low?	<input checked="" type="checkbox"/>	?
Is the equipment free of the need for time-consuming calibration?	<input type="checkbox"/>	?
Are acquisition and maintenance costs predictable and relatively low?	<input checked="" type="checkbox"/>	?
Is the gait trainer part of a modular therapy solution, with which I can offer gait training to both ambulatory and non-ambulatory patients?	<input checked="" type="checkbox"/>	?
Is disassembly of the gait trainer quick and easy, thereby freeing up the treadmill for other uses?	<input checked="" type="checkbox"/>	?
During gait training with this equipment, can I simultaneously train postural control, which is essential for the achievement of independent walking?	<input checked="" type="checkbox"/>	?

# PPS LOKO

Treadmills for Locomotion therapy

DIAGNOSTICS

## SLAT-BELT TECHNOLOGY

The WOODWAY treadmill and its proven, unique slat-belt technology. Hitch- and slip-free acceleration of the treadmill starting from 0.0 km/hr. The treadmill cycle is absolutely homogeneous, smoothly controllable and can be started for the patient without any startling hitches or jerks.

## DISPLAY

The treadmill's data display shows walking parameters such as speed, distance covered, elapsed time, inclination, pulse, and calories burned. An overview of the data is shown on a pivoting display.



## WOODWAY USER SYSTEM (WUS)

As an alternative to the data monitor, the WOODWAY User System is available, with an easy-to-use and intelligently-built program module for display of walking parameters as well as control of the treadmill. All functions may be controlled using an LCD touchscreen. Manual operation, 18 preset programs, medical test cycles, capacity for saving up to 200 individual programs, pulse monitoring with all programs, automatic pulse-based control, treadmill setup.

## OPERATION

Speed can be controlled or the treadmill stopped using the portable control pad.

## SAFETY

Two emergency stop switches ensure the safety of the patient. A magnetic switch, attached to the patient using a cord, automatically stops the treadmill upon interruption. A large portable emergency stop switch can be used by the patient as well as the therapist to stop the treadmill at any time.

## SPECIFICATIONS

PPS Series treadmills for use with the LokoStation are available with a usable walking surface of 157 x 55 cm (optional 70 cm width). The PPS Series offers a maximum speed of up to 24 km/hr. Inclination of up to 20% and device display units such as the data monitor or WUS (described above) are optionally available.

## OPTIONS

The PPS treadmill, used in conjunction with the LokoStation, can be equipped with additional options according to the special needs of the patient or therapy program.

# GAIT TRAINER

Biofeedback / Rehabilitation diagnostics

DIAGNOSTICS

## INTRODUCTION

The Gait Trainer 2™ is the only treadmill with an instrumented deck that monitors and records step length, step speed and right-to-left time distribution (step symmetry).

## MAIN FEATURES

- High Resolution Color Touch-Screen LCD Display – easy to see and use
- Audio and Visual Biofeedback – real-time biofeedback prompts patients into a proper gait pattern
- Normative Data – for comparison to healthy populations
- Objective Documentation – printed color reports track progress and document outcomes – ideal for insurance reimbursement
- Patient Data Storage – maintains records to track progress and issue reports for up to 500 patients
- Data Export – serial interface allows download of patient data to computer for archiving, reporting or export as a CSV file
- Footfall Data Export – a versatile research tool that can work with standard PC programs
- Open Platform – offers unobstructed use with unweighing systems (extended handrail options available)
- Heart Rate Monitoring – chest strap telemetry and contact handgrip to ensure proper training intensity
- Display: Color Touch-Screen
- Printer: HP DeskJet
- Power: 115 VAC, 50/60 Hz, 20 AMP dedicated line, or 230 VAC, 50/60 Hz, 20 AMP dedicated line





## MAIN FEATURES

- Patient Capacity: 400 lb (182 kg)
- Weight: 310 lb (140 kg)
- Certification: ETL and cETL listed to
- UL 2601-1, CAN/CSA C22.2
- No.: 601-1-M90 and EN60601-1.
- CE conformity to M.D.D. 93/42/EEC
- Warranty: Two-years parts; one-year labor

## SPECIFICATIONS

- Dimensions: 86" l x 27" w (218 x 69 cm)
- Walking Area: 64" l x 20" w (160 x 51 cm)
- Printer Stand: 24" l x 24" w (61 x 61 cm)
- Deck: 1" thick (2.5 cm) reversible Teflon™ impregnated high density composite fiber
- Motor: 2 HP with 4Q-Pulse Width Modulation Control
- Speed Range:
- Forward: 0-10 mph (0-16.9 km/h)
- Reverse: 0-3 mph (0-4.8 km/h) in
- 0.1 mph (.16 km/h) increments
- Gait Trainer Mode: Speed limited to 3 mph (4.8 km/h)
- Elevation: 0-15% Grade or -3 to 12% Grade
- Heart Rate Monitoring: Polar® Telemetry (chest strap) and contact handgrip
- Display: Color Touch-Screen
- Printer: HP DeskJet
- Power: 115 VAC, 50/60 Hz, 20 AMP dedicated line, or 230 VAC, 50/60 Hz, 20 AMP dedicated line
- Includes hospital grade plug with 12V (3.7 m) power cord.
- Patient Capacity: 400 lb (182 kg)
- Weight: 310 lb (140 kg)

## UNIQUE FUNCTIONS

### **Instrumented Deck**

The Gait Trainer 2™ is the only treadmill with an instrumented deck that monitors and records step length, step speed and right-to-left time distribution (step symmetry).

### **Audio-Visual Biofeedback**

Patients are motivated by the real-time audio and visual biofeedback. They are prompted into proper gait patterns; step length, step speed and step symmetry. Biofeedback helps patients stay “on target” in each phase of rehabilitation; steps lengthen, step speed increases and symmetry improves.

### **Objective Documentation**

Exercise Summary Reports track progress and document outcomes. The Biodex Gait Trainer 2 compares step length, step speed, and step symmetry to age and gender-based normative data.

# BIODEX SYSTEM

Biofeedback / Rehabilitation diagnostics

DIAGNOSTICS

## INTRODUCTION

Almost twenty five years have passed since Biodex introduced the world's first multi-mode computerized robotic dynamometer.

**The most popular and advanced dynamometer in the world just got better and easier to use.**

That event and subsequent "firsts" have made the Biodex dynamometer the choice in the most distinguished clinics and research facilities around the world.

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



## FEATURES

- Advanced dynamometer technology for greater performance
- Touch-screen... see it, select it, adjust it...it's that simple
- Redesigned seat accommodates athlete to pediatric applications
- Software interface, no other system is faster or easier to use
- Software features include:
  - End by % of fatigue in Biofeedback, an exercise session can be completed when the work for a repetition has dropped below a threshold (such as percentage of work)
  - Rehabilitation Progress Report that plots strength, pain, ROM and other defined measurements...and much more
  - Easy-to-follow wizards guide the inexperienced user through the software while the Windows® based application is flexible for the advanced user.
  - Innovative, on-demand action videos demonstrate exercise and test patterns – so there is no forgetting how to set up!
  - Simplified patient positioning with on-screen audio and visual aids
  - Reduced floor space
  - Positioning set-ups are as simple as turning the dynamometer and chair to the labeled joint pattern.
  - Improved Work Simulation exercises
  - Wider Range of Normative Data, athlete to pediatric
  - Expanded after-sale support, installation and continuing education programs

## KEY FEATURES

### **Objective data**

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

### **Accuracy and Reliability**

The Biodex System 4 offers a level of performance, accuracy, and safety that remains unmatched. Not surprisingly, Biodex equipment marks the highest correlation coefficients for reliability, accuracy, validity and repeatability – another reason why so many clinicians put their trust in Biodex.

## ISOKINETIC RESISTANCE MODE

- The Isokinetic Resistance mode for testing and rehabilitation is totally accommodating throughout the entire range of motion. Biodex's unique impact-free acceleration and deceleration eliminates joint trauma, allowing patients to exercise and be tested at more functional speeds. Resistance continuously matches effort, accommodating to variations in patient force output due to weakness, pain or fatigue at specific points in the individual's range of motion.
- Research along with over 25 years of clinical application has demonstrated that isokinetic resistance is a safe, objective means to quantify physical impairments with a high correlation to function. Isokinetic testing is the standard for muscle and joint assessment.
- Applied torque response ensures that the patient's limb velocity increases or decreases in proportion to the torque applied during acceleration and deceleration, enabling neuromuscular control measurements.
- Choose concentric and eccentric contractions to perform isolated polymetric exercises.
- Concentric torque up to 500 ft-lb (680 Nm) and eccentric torque up to 400 ft-lb (542 Nm) accommodates the demands of high performance athletes and sports medicine researchers.

## REACTIVE ECCENTRIC MODE

- The Reactive Eccentric mode for submaximal neuromuscular re-education in the early phases of rehabilitation
- The System 4 responds only to the patient's force output. To initiate movement, the patient must produce and maintain a pre-determined minimum amount of force. This loads the muscles surrounding the joint, producing a pre- load, thus stabilizing and protecting the joint.
- Eccentric torque up to 400 ft-lb (542 Nm)
- Accommodates the demands of today's athletes and sports medicine researchers.

## PASSIVE MOTION MODE

- The Passive Motion mode is a multi-function modality. Unique control properties allow for early intervention in all patients throughout all phases of rehabilitation.
- Torque limits can be set as low as .5 ft-lb (.7 Nm). If a torque limit is exceeded during an eccentric contraction, the System stops. Once the patient's torque output drops below the prescribed limit, movement is allowed. This unique capability allows patients to work safely at definitively prescribed sub-maximal force levels while combining isometric, concentric and eccentric contractions for:
  - decreasing joint effusion
  - increasing range of motion
  - developing strength
- Passive speeds can be set as low as .25 degree per second and as fast as 300 degrees per second. The very slow speeds allow for overcoming the natural stretch reflex. Ideal for proprioceptive testing in early stages of rehabilitation.
- Biodex software includes specific protocols for active and passive joint repositioning.
- Higher speeds in passive mode are ideal for active assistive exercise.

## ISOMETRIC MODE

- The Isometric mode is commonly used pre and post operatively or when pain associated with motion is a factor. Isometric contractions are effective at developing strength and decreasing joint effusion while avoiding painful points in the range of motion.
- Biodex software automates the rehab process with automated multiple angle isometric protocols. Work the agonist, antagonist or both muscles at specified joint angles.



## ISOTONIC MODE

- The Isotonic mode allows velocity to vary while providing inertia-free constant force and concentric or eccentric muscular contractions.
- Higher performance:
- Isotonic force to as low as .5 ft-lb (.7 Nm) = 6 inch pound; and as high as 400 ft-lb (542 Nm)
- Allows for functional task simulation when using work simulation tools, e.g. turning a doorknob.
- Because the force is selected, the Isotonic mode also provides protective pre-loading of the joint prior to movement.
- Ideal for work simulation. Constant force muscle loading is considered functional, as natural activities normally involve moving a constant weight object at varying velocities.

## SPECIFICATION

- Touch screen interface for quick, easy multi-mode operation; isokinetic, isometric, isotonic, reactive eccentric and passive
- Concentric speed up to 500 deg/sec
- Eccentric speed up to 300 deg/sec
- Concentric torque up to 500 ft-lb (680 Nm)
- Eccentric torque up to 400 ft-lb (544 Nm)
- Passive speed as low as .25 deg/sec

### CLINICAL DATA STATION

- Windows™-based PC (current model)
- Windows™ Operating System
- Biodex Advantage Software
- LCD Flat Panel Touch-Screen Color Monitor with integrated Speakers
- Color Printer

## ATTACHMENTS

- Attachments for ankle, knee, shoulder, elbow, wrist and hip
- Attachment cart
- Calibration kit
- Manuals and wall chart
- 64 square feet operating space (6 square meters)

## APPROVALS

- ETL and cETL listed to UL 60601-1, CAN/CSA C22.2 No.: 601-1-M90 and EN 60601-1,
- CE conformity to M.D.D. 93/42/EEC\*

\*When sold complete with computer, monitor and printer.

## OPTIONAL EQUIPMENT

- Lumbar bandage [5] (1ACS207)
- Shoulder bandage [6] (1ACS208)
- Elbow / Wrist bandage [7] (1ACS216)
- Thigh bandage [8] (1ACS205)
- Knee / Calf bandage [9] (1ACS206)
- Ankle bandage [10] (1ACS203)

- Dual Position Back Extension/Flexion Attachment
- Closed Kinetic Chain Attachment
- Work Simulation Tools Anti-Shear Attachments
- Pediatric Attachments
- Wide Seat Option
- Analog Signal Access Interface
- Pediatric Attachments
- Research Tool Kit

# PRIMA DOC

Biofeedback / Rehabilitation diagnostics

DIAGNOSTICS

## INTRODUCTION

Ideal to control and measure dynamic muscular movements through the execution of exercises at constant speed

By controlling the resistance produced by the machine and continuously maintaining it proportional to the force expressed, it is possible to achieve maximum muscular contraction along the whole movement range.

Isokinetics is an essential methodology in modern rehabilitation practice. The knowledge of the advantages and the limits associated with this method, combined with the long experience acquired working with users, has allowed the creation of the primaDOC. This is a compact, user-friendly, cost-effective unit, developed to optimise the advantages of isokinetic method. The primaDOC utilises a hydraulic brake to improve the movement fluidity while ensuring the patient's complete safety.

The dynamometric brake is integrated in the seat support structure for maximum compactness. The control console is designed to house a small accessory basket. The primaDOC is a complete system for rehabilitation, training and evaluation. All measured data can be displayed in real time and saved for post-processing.

The software, developed for Windows™, is user-friendly and provides an amusing video game designed to enhance the patient's motivation. The programmable software ensures maximum safety for the patient (the range of motion can be limited at any point of the movement either by mechanical stops or via software setting). The system allows storage and printing of comprehensive modular final reports via simple operations.



## MOTION CONTROL

- Range of speed control: 40°/s 400°/s with independent regulation of agonist and antagonist movements
- Torque: measured on the whole articular angle, 1Nm resolution
- Max. measurable torque: 400 Nm
- Range of motion: 240°, resolution 0.75°
- Work: real time measurement, maximum work/repetition, total work, resistance index, fatigue index

## SIZE AND WEIGHTS

- Isokinetic unit: 70 x 125 x 125h cm
- Control console: 60 x 57 x 92h cm
- Minimum working space: 150 x 200 cm
- Isokinetic unit: 128 Kg
- Control console: 30 Kg

## INSTALLATION REQUIREMENTS

- Power requirements:  
Single-phase, 220 V-50 Hz; available from n.2 wall sockets
- Environmental conditions:  
temperature between 10°C and 40° C.
- Relative humidity:  
0% – 75% (without condensation)

## MAIN FEATURES

### Types of movement

- Isokinetic
- Inertial isotonic
- Hydrodynamic

### Measured parameters

- Speed
- Torque (peak, average)
- Range of Motion
- Work
- Power
- Resistance Index
- Flexion/Extension ratio

### Treatable joints

- Knee (flexion/extension)
- Ankle (dorsoplantar flexion)
- Shoulder (intra-extra rotation in abduction)
- Lower limb closed kinetic chain

# HAND TUTOR

Biofeedback / Rehabilitation diagnostics

DIAGNOSTICS

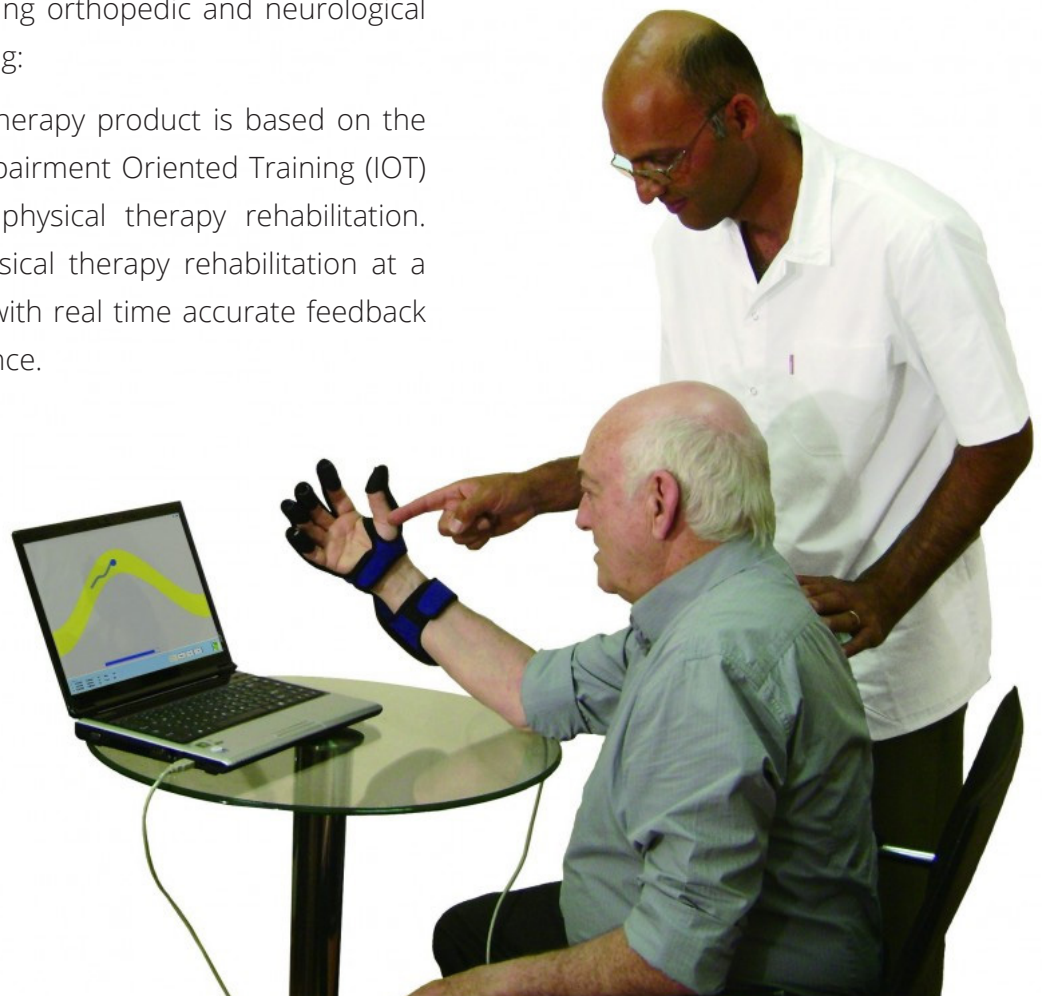
## INTRODUCTION

The MediTouch HandTutor physical therapy product has been developed to allow for functional and fine motor rehabilitation of the hand. The system consists of an ergonomic wearable glove and dedicated physical therapy rehabilitation software. The Hand Tutor system allows for a range of bio-mechanical evaluation including speed, passive and active range of motion and motion analysis of the fingers and wrist. Quantitative bio-mechanical data allow for objective evaluation and physical therapy treatment follow up.

The system is used by many leading rehabilitation centers worldwide and has full FDA and CE certification.

Use the HandTutor physical therapy product to achieve hand rehabilitation following orthopedic and neurological injury and disease including:

The HandTutor physical therapy product is based on the accepted principles of Impairment Oriented Training (IOT) and controlled exercise physical therapy rehabilitation. Hand Tutor provides physical therapy rehabilitation at a patient customized level with real time accurate feedback on the patient's performance.





## KEY FEATURES

The HandTutor allows for isolated and a combination of finger/s and wrist treat physical therapy treatment. The system provides detailed exercise instructions and precise feedback on the patients exercise performance and improvement. Controlled physical therapy of hand within the normal functional movement pattern prevents the development of undesired and compensatory joint movement and ensures better performance of functional tasks. The system is used by many leading physical therapy centers worldwide and has full FDA and CE certification.

## APPLICATION

- stroke
- burns
- multiple sclerosis
- cerebral palsy
- parkinson's disease
- head injuries
- spinal cord injuries
- drop foot
- complex regional pain syndrome
- muscle weakness
- peripheral nerve injuries
- post orthopedic surgery e.g. tendon transfer



# ARM TUTOR

Biofeedback / Rehabilitation diagnostics

DIAGNOSTICS

## INTRODUCTION

The ArmTutor™ system has been developed to allow for functional rehabilitation of the upper extremity. The system consists of an ergonomic wearable arm brace and dedicated rehabilitation software. The ArmTutor™ system allows for a range of biomechanical evaluation including speed, passive and active range of motion and motion analysis of the upper extremity. Quantitative biomechanical data allow for objective evaluation and rehabilitation treatment follow up.



## KEY FEATURES

The ArmTutor™ rehabilitation concept is based on performing controlled exercise rehabilitation practice at a patient customized level with real time accurate feedback on the patient's performance. The exercises are designed in the form of challenging games that are suitable for a wide variety of neurological and orthopedic injury and disease. The games challenge the patient to perform the exercise task to their best ability and to continue exercise practice.

The ArmTutor™ allows for isolated and a combination of elbow and three directional shoulder treatment. The system provides detailed exercise performance instructions and precise feedback on the patients exercise performance. Controlled exercise of multijoints within the normal movement pattern prevents the development of undesired and compensatory joint movement and ensures better performance of functional tasks.

The ArmTutor™ system is used by many leading rehabilitation centers worldwide and has full FDA and CE certification..



# ARM TENSOR

Biofeedback / Rehabilitation diagnostics

DIAGNOSTICS

## INTRODUCTION

Elastic resistance equipment for rehabilitation of shoulder.

The ARM Tensor apparatus is ideal for exercises and tests on intra-extra rotation of shoulder performed either in bipodalic orthostatism or in seated position. The movement, which can be executed with any degree of abduction, allows full scapular motility of intra- and extra-rotary muscular structures.

The ARM Tensor enables the patient to work on the main planes of sagittal, coronal and scapular movement. The height adjustment facility allows the apparatus to be used by any person between 150 and 200 cm tall.

The resistance can be modulated in 16 levels by adding selectively as many elastic bands. The rest point (zero resistance) can be positioned at any angle of the rotation axis. A "dissipating" device absorbs part of the kinetic energy developed during the exercise.



## MAIN FEATURES

- Precise assignment of range of final movement
- Facility of setup of rest angle (angle with zero resistance) for each exit position
- Perfect stability of machine provide safety and comfort for patient
- Cordless communication device with computer – USB bluetooth communication
- Readable and clear software

## APPLICATION

- Conservative and post-operative re-education of tone trophism of rotator cuff
- Re-education of neuromuscular control of rotator cuff
- Assessment of rotator cuff force. Possible measurements include: angle of excursion, torque in dynamic conditions, torque in isometric conditions with respect to any angle pre-set by the operator
- Intra-extra rotation + elevation/abduction + pronation/supination of the upper arm in physiological range of motion
- Re-education of pattern of movement with using substitute, returnable information (Biofeedback)

## TECHNICAL DATA

Load type: Modular resistance with up to 16 rubber bands  
 Dimensions: 164 x 104 x 210h cm  
 W.Space 165 x 105 cm  
 Weight: 80 Kg  
 Configuration: LCD console for assessments and tests

- evaluation of dynamic parameters of shoulder muscles
- mark out the range of motion and its evaluation
- individual parameters of training for any patient
- measurement of torque in isometric conditions with respect to any angle pre-set by the operator
- measurement of torque in dynamic conditions
- re-education of pattern of movement with using substitute, returnable information (Biofeedback)
- storage patient data, results of tests and trainings
- saving and comparing results of tests and trainings
- report shows results of tests and trainings
- video games



# KNEE TENSOR

Biofeedback / Rehabilitation diagnostics

DIAGNOSTICS

## INTRODUCTION

Knee Tensor – innovative apparatus permits the muscles of the lower limb to be exercised through an analytical strengthening work involving both the femoral quadriceps and the knee flexors. KNEE Tensor permits concentric and eccentric, “high-speed” exercises and isometric exercises to be performed, be above all it reproduces a functional movement like the alternate flexion and extension of the knee without constraints while providing a proportional resistance that can be modulated during both flexion and extension.

By suitably disabling the elastics it is possible to work selectively on flexion or extension. The lock of constraints on the one hand compels the patient to have a constant proprioceptive control of the moving limb and on the other hand permits the therapist to add intra-extra rotation of the limb to the exercise to stimulate some groups of muscles selectively.



## THE EXERCISE IN OPEN KINETIC CHAIN

- Is performed with on axial load
- Causes concurrent contraction of flexors and extensors of the lowers limb
- Reduces tibia translation over femur
- Prevent shear
- Reduces compression forces at patello femoral level (in specific ROM sections)

Pliometric exercises consist of a quick stretching of the muscles immediately followed by their contraction and shortening. During stretching the muscles become longer as a result of elastic strength and accumulate energy that is returned during the subsequent shortening phase, thus muscular power is increased.

- The muscles is “trained” to store elastic energy
- The proprioceptive system is “trained” to take overload stresses

## TECHNICAL DATA

Dimensions:	120 x 67 x 155 cm
Required area:	100 x 150 cm
Weight:	45 kg

## KEY FEATURES

- Adjustable resistance with preselection of elastics (number of elastics: 4 for extension, 2 for flexion)
- Support increases range of motion as a standard equipment
- Stabilization belts for patient during treatment
- Adjustment of sitting position
- Universal “shoe” adjusted to every size of foot
- Modern design and ergonomic construction
- Simple and easy operation



# LEG TENSOR

Biofeedback / Rehabilitation diagnostics

DIAGNOSTICS

## INTRODUCTION

Rehabilitation of lower limb in closed kinetic chain

The LEG Tensor is an innovative apparatus for Closed Kinetic Chain exercises (CKC), specifically designed to allow lower limbs to perform concentric, eccentric and pliometric work. The LEG Tensor unit utilises as resistance a series of elastic bands allowing a fine adjustment of working loads. This enables the patient to pass easily from light loads with low impact on joints, essential in the first stages of rehabilitation, to increasingly heavier loads and jumps, as needed for complete recovery.



## MAIN FEATURES

- Adjustable resistance with preselection of elastic (8 level of resistance)
- Exercising is possible in sitting and supine positions
- Adjustment of footboard for each leg independently
- Modern design and ergonomic construction
- Simple and readable software

The possibility to control the acceleration and deceleration steps during the exercise through a pre-definable elastic resistance makes the LEG Tensor an excellent training tool for both muscle strengthening exercises, like traditional Leg Press, and pliometric exercises without gravity load.

The athlete can perform jumps with controlled loads without any risks of joint or muscle overloads. The patient who performsaxial load exercises, can start working early on the injured limb using a pre-set fraction of his body weight to increase the explosive and resisting force and to improve neuromuscular coordination and muscle elasticity.

## TECHNICAL DATA

Load type

Modular resistance with up to 8 rubber bands (0 – 160 Kg)

Dimensions

189 x 58 x 117 cm

## APPLICATION

- Exercises in closed kinetic chain (CKC)
- Concentric and eccentric exercises,
- Pliometric exercises (“high-speed” exercises)
- Tests and measurements of main cinematic parameters
- Objective assessment of progress of rehabilitation
- Possibility of use in first stages of rehabilitation
- Patient’s feedback and motivation

# ALFA

Stabilometric platform

DIAGNOSTICS

## INTRODUCTION

ALFA is a simple yet comprehensive BIOFEEDBACK devices for testing, measuring and training the patient balance system.

Alfa is used to assess the posture control of the patient when standing and to perform feedback training. The machine performs the classical Romberg test (open eyes / closed eyes), analysing the patient capability to balance himself. Alfa is a versatile product and could be used in the orthopaedic, neurological and E.N.T. (Ear, Nose, Throat) departments.

A huge variety of exercises / tests can be recorded in the patient's file in order to monitor his improvements. If the tests are carried out with the correct methodology, the diagnostic sensitivity of the test is very close to that of the most accurate and competent clinical examinations.

The monitor provides an on-line feedback of the posture of the patient's body when standing still and allows the patient to control his posture. The feedback aids the patient-therapist communication, increases the patient's motivation and stimulates self-analysis.





## STANDARD EQUIPMENT

- ALFA stabilometric platform
- Cables
- Software
- Manual

## OPTIONAL EQUIPMENT

- USB camera (18.166.018)
- Trolley for monitor (18.166.017)
- Handrail system



## KEY FEATURES

- measurement of COP (center of pressure)
- easy installation
- lightweight construction
- measurement of load distribution (between left and right)
- data export to excel
- connection of second display (optional)
- connection of camera (optional)
- multimedia reports
- user-friendly software
- sophisticated database
- video game
- biofeedback training mode
- BMI factor measurement
- anti-slip surface
- data comparison
- calculation of Romberg index

# GAMMA

Dynamographic platform

DIAGNOSTICS

## INTRODUCTION

GAMMA dynamographic platform is a modern device constructed for evaluation and training of the neuromuscular coordination, weightdistribution and balance. This system can be used in gait research, and to study starts, take-offs, and landings in running and jumping events; swings in baseball and golf; and balance in gymnastics. Device is intended to be used by patients suffering from various disfunctions of musculoskeletal system (orthopaedic, neurologic) and in neurological rehabilitation of children and teenagers.

GAMMA allows the users to conduct an optimized balance and sensomotor control training (i.e. weight bearing distribution training for stroke or postoperating orthopaedic rehab).

Huge advantage is the possibility of the individual positioning of each of the plates, so you can perform training in the stance the is specific to the Patient needs.



## STANDARD EQUIPMENT

- 2 pcs.- GAMMA dynamographic platform [1]
- 1 pc. – Cable
- 1 pc. – Software
- 1 pc. – Manual

## OPTIONAL EQUIPMENT

- 2 pcs. USB cameras (18.166.018)
- Trolley for monitors (18.166.017)
- Handrail system (18.166.024)

## KEY FEATURES

- Wide variety of tests and exercises
- each of the tasks can be modified in any way you want
- automatic report creation
- biofeedback-based rehabilitation
- multilingual software
- patient database with export options
- multiple positioning options.
- Step test for gait evaluation
- Jump test for various jumps
- Weight distribution test



# SIGMA

## INTRODUCTION

Balance platform SIGMA is a modern device designed for balance and proprioception training. Exercises performed on this platform aim to stimulate elements of the musculoskeletal and nervous system responsible, i.a. for the control of balance. It is a modern device designed for balance and proprioception training. Exercises performed on this platform aim to stimulate elements of the musculoskeletal and nervous system responsible, i.a. for the control of balance.

## FEATURES

- Classic proprioceptive training
- Audible and visual BIOFEEDBACK
- 4 different size overlays enabling grading of load
- Bank of training programs ready for the patient
- Exercises are possible:
  - Video Games, allowing exercising through play
- Small size and weight of the platform, allows easy and fast transport of the equipment
- in one (sagittal or frontal) or two planes
- Range of platform swing:
  - Front-rear plane + 12° /-12°
  - Lateral/medial plane + 12°/-12°
- sitting or standing
- one leg/two legs
- Platform diameter: 42cm
- Clear and intelligible software
- Anti-slip platform surface with a diameter of 42 cm

## STANDARD EQUIPMENT

- Balance Platform
- 360° inserts (4 pcs.)
- Single-axis (anteroposterior or lateral) inserts
- USB modem
- CD software
- batteries
- rechargeable batteries (4 pcs.)
- Anti-slip mat



## SOFTWARE

- Full archive of data obtained during an interview with the patient
- Carry out exercises
- Use ready-made training programs
- Saving records achieved during the exercise
- Set parameters of exercise depending on individual patient needs.
- Biofeedback – acoustic and visual feedback for the patient during exercise
- Video games





# ZEBRIS POSTUROMED

Neuro-orthopedic therapy with diagnostics

DIAGNOSTICS

## INTRODUCTION

### **Analysis Measuring Station for Proprioceptive Posture Therapy**

The POSTUROMED® device with its movable and adjustable unstable therapy plate has a broad range of application in neuro-orthopedic therapy, for preventative measures and top class professional sport. The POSTUROMED® device with its movable and adjustable unstable therapy plate has a broad range of application in neuro-orthopedic therapy, for preventative measures and top class professional sport.



Apart from a stepping test the therapy plate can be swivelled out with a provocation unit and also be used for objective tests where neuro-degenerative disorders are involved.

Small ultrasonic markers are attached at the side of the therapy plate or directly on the patient. The measuring system makes three-dimensional recordings of all the movements of the markers and shows the results clearly in a report.

For presenting the learning effect, several tests can be carried out directly one after the other in the provocative test. The length of the movement path of a virtual point in the middle of the plate is then calculated.

For analysing the stepping tests, colored frequency spectrograms are used to indicate segmental instabilities. In this way, all the body movements can be analyzed with respect to intensity and oscillation frequency.

In the reports, up to three tests can be compared for controlling the therapy.

# POSTUROMED 202

Proprioceptive postural therapy

DIAGNOSTICS

## INTRODUCTION

Posturomed 202 is a unique device for proprioceptive postural therapy. Positively and significantly activates a complex system of regulating the possession and movement of the human body. Contains two oscillating circuits of which one is doubledamped.

Trilateral security railing. Achieve a good muscle coordination is not always easy. However, it is imperative for many functional postural faults, such as joint instability, functional disorders posture, idiopathic scoliosis, and numerous post-operative conditions.



# BTS ANYMOV

Robotic mobilisation bed

DIAGNOSTICS

## INTRODUCTION

### **Robotic rehabilitation, directly performable in the hospital bed**

BTS ANYMOV completes the technological evolution introducing a generational leap: the hospital bed becomes a robot for patient focused mobilization, performing the motor therapy directly in the hospital bed, as the first rehabilitation stage following a stroke or a traumatic brain injury event.







## DESCRIPTION

Almost all the patients in post-stroke or post-traumatic brain injury condition show mobility deficits. Mobilization during the acute phase represents a key factor for a successful rehabilitation. BTS ANYMOV is the only robotic device beneficial for patient rehabilitation, even when un-cooperative, directly in the hospital bed.

BTS ANYMOV is a rehabilitative robotic hospital bed that permits a specific and repeatable training made of gradual passive exercises. It allows an active, assisted, segmented and multi-segmented mobilization of hip, knees and tibiotarsal joints, through active and against-resistance exercises, coherently with patient's possibilities. It is made of 4 movable sections using high precision motors: the whole bed base can be controlled in lift and lateral movement thanks to telescopic pillars; the back can be inclined up to 90°; the lower limb dedicated bases allow hip abduction-adduction movements.

The tibiotarsal joint dorsi-plantar flexion and the knee flexi-extension are actuated by two dedicated motors, presenting clutches on guides placed under the lower limb bases. An air compressor, providing resistance related to the patient's push force, is used for the active reinforcement exercises. The same air compressor can be by-passed by the compressed air normally provided in hospital rooms. The particular attention to design and production guarantees the highest standard of operational safety, for both the therapist and the patient.

## COMBINED FUNCTIONAL EVALUATION

During the rehabilitation process, the EMG data acquisition is an effective tool that provides important clues about the patient's recovery potential. Data from the EMG system can be evaluated as to how and when the patient is trying to generate movement (during active exercises) and also the presence of muscular activity in the passive mobilization phases.

BTS ANYMOV optionally integrates, a totally wireless surface EMG system provided with protocols for the acquisition of several muscle configurations, according to the exercises performed in bed.

1) Knee flex/extension: Evaluation of 3 channels (muscles) for each limb: Vastus Lateralis, Recto Femoris and Semitendinosus.

2) Foot flex/extension (dorsi/plantar flexion): Evaluation of 3 channels (muscles) for each limb: Tibialis Anterior, Gastrocnemius (Medialis or Lateralis), Soleus.



## TECHNICAL FEATURES

- Movements: 13 motors, 4 pillars for vertical lifting, actuators for the inclination of the bed, back, footrests and segments for hip abd-adduction
- Safety: Fast manual repositioning system
- Certification: Class IIa in accordance with MDD 93/42/ECC\*\*
- Dimension (in horizontal position): 229 x 98 x h 90 cm
- Maximum encumbrance: 229 x 184 x h 245 cm
- Weight: 480 pounds (230 Kg)
- Padding: PVC/Polyamide sanitary mattress

## BASIC PACK

- Robotic Hospital bed with touch screen control unit
- Removable side rails
- Anti-decubitus mattress
- Harness for trunk support during vertical movement
- Harness for Lower limb support during knee flex –extension exercises
- Leg block band for hip adb-adduction exercises
- T-Walker for tibiotarsal joint dorsi-plantar flexion

## OPTIONALY

- BTS ANYMOV EMG – wireless probe surface electromyography system
- Pillow for patient lower limb support while sitting
- Handles for patient support while in the vertical position, complete of desk
- Integrated compressor (only for active exercises)

## BENEFITS

- Postural and functional movement recovery boost
- Prevention of secondary complications related to immobility
- e.g. ligament retractions, bedsores, respiratory affections, deep-vein thrombosis.
- Elimination of the risk of falling
- e.g. condition related to orthostatic hypotension in traditional rehabilitation.
- Articular proprioception stimulation
- Attentive and participative processes stimulation
- Therapeutic exercise customization

# LEVITAS

Exercising in suspension

MECHANOTHERAPY

## INTRODUCTION

LEVITAS – device for exercising in suspension apply for supportive treatment of diseases of skeletomuscular system, particularly in orthopedic, rheumatoid and neurological disorders. It allows for exercising with body weight support, with resistance and total and partial suspension.

It is a modern device for exercising in suspension mounted to metal frame. Its unique design of elements for suspension allow for precise and easy operation. Standard equipment consists of mobile column for exercises with resistance and set of lines, slings and weights.



## KEY FEATURES

## SLING THERAPY PRINCIPLE

- Modern, patented design consisting of a stable metal frame and specially designed, sliding guide system
- Reduction of gravity
- Reduction of pain sensation
- Increase of range of movements
- Possibility of graduation of exercises: with body weight support, with resistance, with body weight support and resistance
- Antalogue positions

## STANDARD EQUIPMENT

- Metal frame and specially designed, sliding guide system
- Mobile column for exercises with resistance,
- set of lines, slings and weights.

## TECHNICAL DATA

- Length: 2650 mm
- Width: 1300 mm
- Height: 2050 mm

- Complete elimination of joint compression
- Full stabilization of the patients during exercising
- Precise suspension of the patient and ability of fast change of setup
- Precise regulation of alignment of suspension point and movement axis
- Ergonomic, space saving , functional and easy to operate
- Easy regulation of pull-up system of the patient
- Localization of muscular balance disturbances = diagnosis

# ERGOMETER

PLATINUM top-quality line

MECHANOTHERAPY

## THE PLATINUM EXPERIENCE

This leading design upright bike for the professional market has everything you could wish for in terms of comfort and challenging training. Straight forward and easy to use, simply step on and start training.

- self-generating, so no power needed
- straightforward and user-friendly console in 10 languages
- large rotating selection wheel for rapid navigation through the programs
- extremely comfortable low instep
- the back support has been made from mesh, which is permeable to air and comfortable



## TECHNICAL DATA

- 7" full color TFT display shows time, distance, speed, RPM, lap, target heart rate, energy consumption, training power, heart rate, resistance level
- 11 programs with quick start, manual, target HRC, hill program, cardio program, fatburn program, interval program, fitness test, 5 km track, 2 HRC programs
- 7 preset programs and 1 user program
- T-scale
- ergonomic, large saddle, can be adjusted horizontally and vertically
- contact heart rate
- induction brake
- flywheel mass: 14 kg
- self generating power supply
- 40 resistance steps
- maximum user weight: 150 kg
- weight: 53 kg
- dimensions: 108 x 55 x 136 cm
- transport wheels
- option: heart rate chest belt





# RECUMBENT

PLATINUM top-quality line

MECHANOTHERAPY

## THE PLATINUM EXPERIENCE

The recumbent provides versatile movement and is notable for its low instep, enabling users to mount the bike safely and in comfort. Ergometer for the professional market.

- self-generating, so no power needed
- straightforward and user-friendly console in 10 languages
- large rotating selection wheel for rapid navigation through the programs
- extremely comfortable low instep
- the back support has been made from mesh, which is permeable to air and comfortable



## TECHNICAL DATA

- 7" full color TFT display shows time, distance, speed, RPM, lap, target heart rate, energy consumption, training power, heart rate, resistance level
- 11 programs with quick start, manual, target HRC, hill program, cardio program, fatburn program, interval program, fitness test, 5 km track, 2 HRC programs
- 7 preset programs and 1 user program
- T-scale
- seat adjustments: horizontal and angle
- meshback seat, comfort slide handle
- contact heart rate
- induction brake
- flywheel mass: 14 kg
- self generating power supply
- 40 resistance steps
- maximum user weight: 150 kg
- weight: 78 kg
- dimensions: 144 x 74 x 128 cm
- transport wheels
- option: heart rate chest belt



# SPRINTER BIKE

PLATINUM top-quality line

MECHANOTHERAPY

## THE PLATINUM EXPERIENCE

Cycle, sprint and climb like a real cyclist. With this sprinter bike you can train for the greatest performance. Stay fit and train your endurance on this spinning bike. Due to the great ergonomic design you will enjoy comfortable workouts.

- free flywheel with high quality bearings
- ergonomic frame with adjustable seat and handlebar
- special SPD pedals, use your race shoes
- perfect for a single workout at home and group classes



## TECHNICAL DATA

- brake: manual friction pad
- resistance steps: infinite
- seat adjustments: horizontal and vertical
- handlebar adjustments: horizontal and vertical
- flywheel mass: 22 kg
- maximum user weight: 150 kg
- weight: 68 kg
- dimensions: 106,5 x 53,8 x 102,5 cm
- transport wheels



# PURE BIKES

PURE line - 4 models of ergometers

MECHANOTHERAPY

## INTRODUCTION

Cycling is a good exercise for everyone, regardless of age, weight or level of fitness. It's an effective, pleasant and safe way of improving your condition and strengthening your leg muscles. The exercise bikes are ideal for recuperation following joint or knee injuries. Furthermore, athletes use these bikes for a warming up.





## COMPARE THE PURE BIKE MODELS

	<b>BIKE 4.0</b>	<b>BIKE 6.0</b>	<b>BIKE 8.0</b>	<b>BIKE 10.0</b>
Operating system	Servo motor	EMS	EMS	EMS
Flywheel/ rotating mass	7 kg/14 kg	7 kg/14 kg	9 kg/16 kg	9 kg/16 kg
Transmission ratio	1:9.46	1:9.46	1:9.46	1:9.46
Seat adjustment	Height/ Horizontal	Height/ Horizontal	Height/ Horizontal	Height/ Horizontal
Low instep	Yes	Yes	Yes	Yes
HR chest belt	No, option	No, option	Yes	Yes
HR hand sensor	Yes	Yes	Yes	Yes
Ergometer	Yes, 260W/60TPM	Yes, 400W/100TPM	Yes, 440W/100TPM	Yes, 600W/100TPM
Max user weight	135 kg	135 kg	150 kg	150 kg
Screen	iConsole monitor, Connection Bluetooth	6", 2 color LCD backlit display	7" graphic LCD screen full color	iPure monitor T-Pad 10,2" TFT-LCD touchscreen
Programs	Manual Programs, iRoute, Watt & HR, User programs, Monitor use without tablet: Manual, Beginner, Advanced, Sporty, HR	Manual, Quick start, Constant Watt, Constant HRC (5), Preset programs (12), User programs (5), T-Scale, Users (5)	Manual, Quick start, Constant Watt, Constant HRC (5), Preset programs (10), User programs (20), T-Scale, T-Ride, Users (8)	Manual, Quick start, Constant Watt, Constant HRC (5), Preset programs (10), User programs (100), T-Scale, T-Ride, T-Music, T-Road, Users (20), Race
Fitness test		Recovery heart rate, Body fat, BMI	Multi Step VO2-max	Multi Step VO2-max
Media				Speakers, Media player, Internet (WIFI), USB (2 ports), MP3 player, Send and read Email, E-books, Head phone jack, Docking station iPhone
Control Buttons	Buttons	Buttons and jogwheel	Buttons and jogwheel	Touch screen

# PURE BIKE R 4.0

Recumbent bike from PURE line - 16930

MECHANOTHERAPY

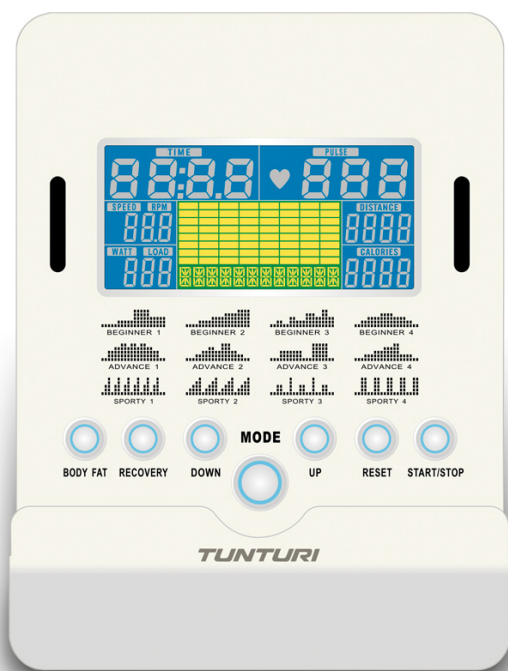
## INTRODUCTION

Pure by Tunturi. A recumbent bike. Let's call it our flagship design. In more than one way. First, it's the most comfortable way of training for many people. The low instep enables you to mount the bike safely and in comfort. The seating position limits the burden on your back and stimulates blood circulation to the legs. Sure, you can relax during training, reading your magazine, watching TV or...



## TECHNICAL DATA

- brake: magnet controlled by servomotor
- flywheel: 7 kg – rotating mass: 14 kg
- transmission ratio: 1:9:46
- HQ seat horizontally adjustable – adjustable mesh back
- low entry: yes
- HR chest belt: optional
- HR hand sensor: yes
- ergometer: 260W / 60 RPM
- maximum user weight: 135 kg
- iConsole monitor: Bluetooth connection with tablet or smartphone (iOS, Android)
- programs: manual – 12 programs – iRoute – Watt & HR – user programs
- monitor without tablet: manual – beginner – advanced – sporty – HR
- control: buttons



# PURE BIKE R 10

Recumbent bike from PURE line - 16930

MECHANOTHERAPY

## INTRODUCTION

Pure by Tunturi. A recumbent bike. Let's call it our flagship design. In more than one way. First, it's the most comfortable way of training for many people. The low instep enables you to mount the bike safely and in comfort. The seating position limits the burden on your back and stimulates blood circulation to the legs. Sure, you can relax during training, reading your magazine, watching TV or...



## TECHNICAL DATA

- EMS: induction brake system
- flywheel: 9 kg – rotating mass: 16 kg
- transmission ratio: 1:9:46
- HQ seat horizontally adjustable – adjustable mesh back
- low entry: yes
- HR chest belt: yes
- HR hand sensor: yes
- ergometer: 350W / 60 RPM
- maximum user weight: 150 kg
- 10,2" TFT LCD touchscreen
- 8 languages: English, Dutch, French,...
- programs: manual – quick start – constant Watt – constant HR - T-scale - T-ride - T-music - T-road - preset programs – user programs
- 20 users
- fitness test: Multi Step VO2-max
- media: speakers – media player (MPEG2, DivX, AVI) – internet (WIFI) – 2 USB ports – MP3 player – read & send email – ebooks – headphone jack – docking station for iPhone
- control: touchscreen





# MED 515-6

Rehabilitation cycle

MECHANOTHERAPY

## TECHNICAL SPECIFICATION

- aeromagnetic brake system
- digital brake intensity adjusted on the monitor (8 levels)
- 18 preset programs: 12 preset resistance controlled profiles, 1 manual resistance controlled profile, 4 heart rate controlled (H.R.C.) profile, 1 user profile
- body fat system
- fitness test
- large window display: time, speed, RPM, distance, calories, heart rate, recovery time, real time clock, calendar
- metal pedals with footstraps
- adjustable cranks
- open frame for easy access on bike
- trans quick saddle shifting system allowing forward/backward and height adjustment
- comfortable saddle
- width handlebars adjustable in height and depth
- transport wheels at front
- heart rate monitoring through a chest belt transmitter
- user weight limit: 150 kg
- chest belt transmitter included



# LODE ERGOMETER

Lode Corival Pediatric ergometer

MECHANOTHERAPY

## TECHNICAL SPECIFICATION

This ergometer is ideally suited for small children thanks to the simple entry, the enormous intensity that starts at 7 Watt and the adjustability in steps of 1 Watt. Lode offers a number of options which makes the Corival Pediatric very suitable for this target group.

The Corival ergometer can be linked to various external equipment, such as exercise ECG equipment and equipment for measuring VO<sub>2</sub> max. Due to the peak load of 1000 watts, the Corival pediatric is also suitable for the Wingate-tests with children.

- Workload control: hyperbolic, linear, fixed torque, heart rate controlled
- Operational modes: manual, analog, terminal, optional: protocols (24 free, HRC, Åstrand)
- Toeclips on pedals
- Display LCD shows workload, rpm digital, rpm bargraph, heart rate, target heart rate, timer, distance, torque, optional: blood pressure, energy, SpO<sub>2</sub>
- Workload continuous: 7-750 Watt
- Workload peak: 1000 Watt
- Workload increments: 1 Watt
- RPM independent: 30-150 rpm
- Power: 115/230 VAC, 50/60 Hz (130 VA)
- Adjustable saddle: 295 mm
- Minimum leg length: 415 mm
- Dimensions: 93 x 65 x 93 cm
- Weight: 38 kg
- Maximum user weight: 95 kg
- CE/ISO 9001/ ISO 13485, IEC-60601-1



# CROSS SPRINTER

PLATINUM top-quality line

MECHANOTHERAPY

## THE PLATINUM EXPERIENCE

The cross sprinter gives you the best of both worlds: a spinner bike combined with cross training. This all adds up to a total body workout! The cross sprinter can also be used in group classes.et.

- the cross sprinter is a new product featuring a unique design
- it is a great machine to use for group training
- the console provides all necessary training information
- heavy flywheel ensures constant resistance, which can be operated manually



## TECHNICAL DATA

- 4 LCD screens show time, distance, RPM, heart rate
- manual training modes
- stride length: 50 cm
- bottle holder
- resistance steps infinite
- permanent magnetic brake
- rotating mass: 14 kg
- maximum user weight: 150 kg
- weight: 115 kg
- dimensions: 173,5 x 61,3 x 172,2 cm
- transport wheels



# CROSS TRAINER

PLATINUM top-quality line

MECHANOTHERAPY

## THE PLATINUM EXPERIENCE

This robust Cross Trainer has everything you could wish for in sophisticated training. The trainer has good ergonomic design and great training potential. You'll be kept constantly motivated while training thanks to the numerous programmes displayed on the clear and user-friendly console.

- self-generating, so no power needed
- outstanding craftsmanship with an eye for ergonomics and design
- straightforward and user-friendly console in 10 languages
- large rotating selection wheel for rapid navigation through the programs





## TECHNICAL DATA

- 7" full color TFT display shows time, distance, speed, RPM, lap, target heart rate, energy consumption, training power, heart rate, resistance level
- 11 programs with quick start, manual, target HRC, hill program, cardio program, fatburn program, interval program, fitness test, 5 km track, 2 HRC programs
- 7 preset programs and 1 user program
- T-scale
- contact heart rate
- induction brake
- flywheel mass: 14 kg
- self generating power supply
- 40 resistance steps
- stride length: 50 cm
- maximum user weight: 150 kg
- weight: 118 kg
- dimensions: 198 x 70 x 170 cm
- transport wheels
- option: heart rate chest belt



# PURE CROSS

PURE line - 4 models of crosstrainers

MECHANOTHERAPY

## INTRODUCTION

Working out on a crosstrainer is both highly efficient and fun. Choose between a front driven or rear driven crosstrainer, depending on your wishes. Some like the flatter stride of the front driven crosstrainer, comparable with sports as cross country skiing. Other prefer the longer, more intensive movements of the rear driven cross trainer. Both bring you a relaxed training.



## COMPARE THE PURE CROSS MODELS

	<b>CROSS 4.0 R/F</b>	<b>CROSS 6.0 R</b>	<b>CROSS 8.0 F</b>	<b>CROSS 10.0 R/F</b>
Operating system	Servo motor	EMS	EMS	EMS
Flywheel/ rotating mass	7 kg/35 kg (rear) 7 kg/38 kg (front)	7 kg/35 kg	9 kg/40 kg	9 kg/37 kg (rear) 9 kg/40 kg (front)
Transmission ratio	1:9.46	1:9.46	1:9.46	1:9.46
Stride length	40 cm / 48 cm	40 cm	48 cm	40 cm / 48 cm
HR chest belt	No, option	No, option	Yes	Yes
HR hand sensor	Yes	Yes	Yes	Yes
Ergometer	Yes, 260W/600TPM	Yes, 260W/600TPM	Yes, 350W/60TPM	Yes, 350W/60TPM
Max user weight	135 kg	135 kg	150 kg	150 kg
Screen	iConsole monitor, Connection Bluetooth	6", 2 color LCD backlit display	7" graphic LCD screen full color	iPure monitor T-Pad 10,2" TFT- LCD touchscreen
Programs	Manual Programs, iRoute, Watt & HR, User programs, Monitor use without tablet: Manual, Beginner, Advanced, Sporty, HR	Manual, Quick start, Constant Watt, Constant HRC (5), Preset programs (12), User programs (5), T-Scale, Users (5)	Manual, Quick start, Constant Watt, Constant HRC (5), Preset programs (10), User programs 20), T-Scale, T-Ride, Users (8)	Manual, Quick start, Constant Watt, Constant HRC (5), Preset programs (10), User programs (100), T-Scale, T-Ride, T-Music, T-Road, Users (20), Race
Fitness test		Recovery heart rate, Body fat, BMI	Multi Step VO2- max	Multi Step VO2- max
Media				Speakers, Media player, Internet (WIFI), USB (2 ports), MP3 player, Send and read Email, E-books, Head phone jack, Docking station iPhone
Control Buttons	Buttons	Buttons and jogwheel	Buttons and jogwheel	Touch screen

# PLATINUM RUN

PLATINUM top-quality line

MECHANOTHERAPY

## THE PLATINUM EXPERIENCE

This treadmill for the professional market has been designed using Tunturi's years of experience in the field. The treadmill's running track features excellent shock absorption, thus helping prevent aching joints.

- large running track equipped with good shock absorption
- strong and silent 3HP AC motor with a maximum speed of 20 km/h
- splendid robust design frame concept
- straightforward and user-friendly console with 7" full color TFT display
- waxed belt and the reversible deck ensure very good durability and low maintenance
- safe training thanks to the pulse-driven programs and the safety key



## TECHNICAL DATA

- display shows time, distance, speed, elevation, lap, target heart rate, energy consumption, heart rate
- 11 programs with quick start, manual, target HRC, hill program, cardio program, fatburn program, interval program, fitness test (Gerkin), 5 km track, 2 HRC programs
- 7 preset programs and 1 user program
- T-scale
- bottle holder
- USB for PC connection
- contact heart rate
- motor: 3,0 HP AC (continuous)
- power supply: 230 V
- speed: 0,8 – 20 km/h
- elevation: 0% – 15%
- waxed running belt: 152,5 x 56 cm
- maximum user weight: 150 kg
- weight: 155 kg
- dimensions: 212,5 x 144 x 88,5 cm
- transport wheels
- option: heart rate chest belt





# PURE RUN

PURE line - 3 models of treadmills

MECHANOTHERAPY

## INTRODUCTION

With a shock absorbent orthopedic running belt, for a less wearing training on the muscles and joints. Large and user friendly monitors specially designed for walking and running users, including the 15" touch screen on the Run 10.0, with all internet facilities. State-of-the-art technology, pre-programmed training profiles, various heart rate controlled training programs, 'scenic runs' and many convenient features.



## COMPARE THE PURE RUN MODELS

	<b>RUN 4.0</b>	<b>RUN 6.0</b>	<b>RUN 10.0</b>
Motor	2,5 HP DC (continuous)	3 HP DC (continuous)	3,5 HP DC (continuous)
Speed	0,8-18 km/h (0,1 km step)	0,8-20 km/h (0,1 km step)	0,8-22 km/h (0,1 km step)
Elevation	0-12%	0-12%	0-12%
Belt type	Silicon lubrication	Silicon lubrication	Silicon lubrication
Belt thickness	1,8 mm	2,2 mm	3,0 mm
Running area	50 x 150 cm	50 x 150 cm	50 x 150 cm
Handrails	Yes + option for reha-handrail	Yes + option for reha-handrail	Yes + option for reha-handrail
Additional quick key handle bar	Yes	Yes	Yes
HR chest belt	Yes	Yes	Yes
HR hand sensor	Yes	Yes	Yes
Max user weight	135 kg	150 kg	150 kg
Screen	Combined graphic LED profile display	Combined graphic LED profile display	Combined graphic LED profile display
Programmes	13 - Manual, Quick start, Constant HRC (3), Preset Programs, User programs (3)	15 - Manual, Quick start, Constant HRC (4), Preset Programs (8), User programs (20), Race	35 - Manual, Quick start, Constant HRC programmes, (4), Constant HRC (3), Preset Programs (8), User programs (100), Race
Fitness test		Cooper - 2 km walking	Cooper - 2 km walking
Media			Media player Internet (WIFI) Smart phone connection & USB MP3 Player
Control	Buttons + jogwheel	Buttons + jogwheel	Touch screen

# PPS MED

Unique WOODWAY medical treadmills

MECHANOTHERAPY



## INTRODUCTION

### HELPING YOU HEAL ONE STEP AT A TIME

You want the best for obvious reasons. The PPS Med is the ultimate medical treadmill. From rehabilitation and orthopedics to sports medicine and physical therapy, the PPS Med treadmill provides comfort and support to patients while saving you money over the life of the product.

## PATIENT SAFETY & USABILITY

Our patented Slat Belt running surface helps absorb more of the impact than any other treadmill preventing further deterioration of bones, tendons, ligaments and muscles of the lower extremity, pelvis and lower back.

The PPS Med is the ideal machine for patients requiring walking support. The medical grade, parallel handrails provide a safe and comfortable platform for patients.

## CONVENIENT CONTROLS

Pre-programmed medical tests and protocols on the external touch screen console give doctors and therapists quick and clear results of each PPS Med user.

## WUS DISPLAY

- LCD touch screen operator panel
- Menu driven operation
- Remote speed, stop and elevation control
- 18 pre-set programs (ability to create/store up to 200 custom programs)
- Medical Test Cycles (e.g. Conconi, Cooper, Bruce...)
- Automated pulse monitoring
- Speed, distance, elevation, pulse, time and calorie readout



## RELIABILITY

The Slat Belt running surface also has distinct advantages for you and your facility. Lasting up to 150,000 miles without a single belt change or deck swap, it was designed to make up for conventional treadmills shortcomings, most notably wear and friction. The rubberized slats are built like a tank, literally. With 116 ball bearings the belt glides, which results in years of life with very little maintenance and up to 50% in electrical savings. There is no need to adjust and tension the belt, our design utilizes tracking rollers and a toothed pulley. The result, the lowest maintenance and lowest total cost of ownership of any treadmill.



## ( OPTIONAL) ARM SUPPORTS

Lower-arm/Under arm supports promote physiological exercise and provide optimal stabilization for the patient. Fully adjustable and secure both horizontally and vertically. Also double as under arm supports with simple padding rotation.



## (OPTIONAL) SIDE SEATING

Conveniently placed side seats allow therapists to sit comfortably while assisting a patient.





## TECHNICAL SPECIFICATION

### PPS MED 43

**Running Surface Dimensions**  
28" W x 68" L (70 x 173 cm)

**User Weight Capacity Run**  
400 lb. / Walk: 800 lb.

**Belt Type**  
60 Individual Slats

**Drive System**  
116 Precision Ball Bearings with  
10 Roller; Guides (4 mm lateral  
tolerance)

**Running Surface**  
Vulcanized Rubber (38-43  
shore hardness)

**Drive Motor**  
2 hp Continuous (5 hp peak)  
Brushless Servo

**Unit Weight**  
465 lb. (Shipping Weight 533  
lb.)

**Width** 46" (117 cm)  
**Length** 73" (185 cm)  
**Height** 59" (150 cm)

**Power Supply**  
115 Vac 20 Amp Power Supply  
(Dedicated Circuit & NEMA  
5-20R Outlet Receptacle  
Required)

**Slate White Handrails**

**Efficient AC Brushless Servo  
Motor**

### PPS MED 55

**Running Surface Dimensions**  
28" W x 68" L (70 x 173 cm)

**User Weight Capacity Run**  
400 lb. / Walk: 800 lb.

**Belt Type**  
60 Individual Slats

**Drive System**  
116 Precision Ball Bearings with  
10 Roller; Guides (4 mm lateral  
tolerance)

**Running Surface**  
Vulcanized Rubber (38-43  
shore hardness)

**Drive Motor**  
2 hp Continuous (5 hp peak)  
Brushless Servo

**Unit Weight**  
465 lb. (Shipping Weight 533  
lb.)

**Width** 46" (117 cm)  
**Length** 73" (185 cm)  
**Height** 59" (150 cm)

**Power Supply**  
115 Vac 20 Amp Power Supply  
(Dedicated Circuit & NEMA  
5-20R Outlet Receptacle  
Required)

**Slate White Handrails**

**Efficient AC Brushless Servo  
Motor**

### PPS MED 70

**Running Surface Dimensions**  
28" W x 68" L (70 x 173 cm)

**User Weight Capacity Run**  
400 lb. / Walk: 800 lb.

**Belt Type**  
60 Individual Slats

**Drive System**  
116 Precision Ball Bearings with  
10 Roller; Guides (4 mm lateral  
tolerance)

**Running Surface**  
Vulcanized Rubber (38-43  
shore hardness)

**Drive Motor**  
2 hp Continuous (5 hp peak)  
Brushless Servo

**Unit Weight**  
465 lb. (Shipping Weight 533  
lb.)

**Width** 46" (117 cm)  
**Length** 73" (185 cm)  
**Height** 59" (150 cm)

**Power Supply**  
115 Vac 20 Amp Power Supply  
(Dedicated Circuit & NEMA  
5-20R Outlet Receptacle  
Required)

**Slate White Handrails**

**Efficient AC Brushless Servo  
Motor**

# CURVE

The Ultimate training tool

MECHANOTHERAPY



## INTRODUCTION

You want the best for obvious reasons. The Curve is unlike anything else, it will get members talking. There is no motor, there are no buttons, it is entirely manual, you could say it runs on sweat and determination. You will love the fact that you save 100% on electrical costs and have a dynamic piece to offer clientele.

Does your competition have the Curve?

## INCREASED RESULTS

In the retention game it's all about results, and the Curve gets results! The Curve's manual operation has been proven to burn up to 30% more calories than motorized treadmills, engaging more muscles for a superior workout. From walkers to serious athletes, nothing else compares. That computes to happy customers coming back for more.

## REVENUE STREAM

The Curve is a personal trainers dream, taking a client through a Curve workout will put them to the test. Trust us, they will tell their friends they have never had a workout quite like that before.

## KEY FEATURES

- Users are not subject to ramp up/down speeds
- Attain full sprint in a few explosive steps
- Sports specific work to rest interval training
- No maximum speed



## HOW IT WORKS

It is made possible by Woodway's patented running surface. The Slat Belt system is near frictionless and allows the belt to glide. Combine that with an innovative curved running surface and users are able to control their pace at will. To speed up simply start running, to slow down allow yourself to drift down the curve. It is all about body position and gravity.

## LOWEST COST OF OWNERSHIP

The Slat Belt running surface lasts up to 150,000 miles without a single belt change or deck swap. It was designed to make up for conventional treadmills shortcomings, most notably wear and friction. The rubberized slats are built like a tank, literally. With 112 ball bearings the belt glides, which results in years of life with very little maintenance and zero electrical consumption. There is no need to adjust and tension the belt, our design utilizes tracking rollers and a toothed pulley. The lack of a motor or electrical components mean they never need to be replaced.

## TOTALLY GREEN TREADMILL - HUMAN POWER!

The user controls their speed by positioning their body along the curved running surface. Stepping forward initiates movement, as the user propels themselves up the curve the speed increases. To slow, simply drift back towards the rear curve.

## TECHNICAL SPECIFICATION

### Running Surface Dimensions

17" W x 67" L (43 x 170 cm)

### User Weight Capacity Run

Run: 500 lb. / Walk: 800 lb. (4 mph max)

### Belt Type

60 Individual Slats

### Drive System

112 Precision Ball Bearings with 12 Roller Guides (4 mm lateral tolerance)

### Running Surface

Vulcanized Rubber (38-43 shore hardness)

### Drive Motor

Human Power

### Unit Weight

245 lb. (Shipping Weight 330 lb.)

**Width** 31" (79 cm)

**Length** 68" (173 cm)

**Height** 68" (173 cm)

### Power Supply

Does Not Require Power Source

### Slate White Handrails

### Efficient AC Brushless Servo Motor

manual





# PEDIATRIC TREADMILL

Valiant pediatric treadmill designed for children

MECHANOTHERAPY

## INTRODUCTION

Modern designed treadmill for various ergometry purposes, specifically designed for small children. It can be controlled by external equipment.

The control unit of the Valiant offers programming possibilities for speed, angle and standard tests like Bruce and Balke. With the heart rate option it is possible to program several heart rate controlled protocols.

The low step-up height makes the treadmill perfectly suitable for children in the field of cardiology, rehabilitation and pulmonary function.

An important feature is the positive elevation of 25%. This makes the treadmill very suitable for a range of protocols. The treadmill can be controlled with the control unit or by external equipment. The Valiant Pediatric can be used with Lode Ergometry Manager (LEM) software to manage data and to apply specific protocols.

## TECHNICAL DATA

- 9 free adjustable protocols
- Automatic elevation: 0 – 25 %
- Standard speed range: 0,1 – 12 km/h in speed adjustment steps of 0,1 km/h
- Stop feature with magnetic lanyard for safe use
- Walking surface: 127 x 50 cm
- Low noise
- No belt-greasing is required
- Soft surface
- RS232 interface for connection to external equipment
- Maximum user weight: 160 kg
- Power: 230 VAC, 50/60 Hz
- Weight: 135 kg
- Dimensions: 190 x 90 x 135 cm
- CE/ISO 9001/ ISO 13485, IEC-60601-1



# CONCEPT 2

High-quality indoor rower

MECHANOTHERAPY

## INTRODUCTION

The Model E offers presence and durability with its 20 inch frame height, nickel-plated chain, and glossy clear coat finish. From a practical standpoint, the higher frame means easier on-and-off for those with tired knees or mobility considerations. The nickel-plated chain requires less-frequent oiling. The clear coat finish protects against scratches.

Aesthetically, the Model E is the luxury machine of the indoor rower world. Solid and sleek, the Model E will hold its own in a fitness center, your home gym, or the living area of your midtown loft. Best of all, it does all of this while providing the unparalleled full-body workout of our other indoor rowers.

If you're familiar with our equipment, the Model E is everything you've come to expect in a Concept2 Indoor Rower and more. If you're trying us for the first time, the Model E will satisfy even the most discriminating buyers.

## PERFORMANCE MONITOR

Every Model E includes a PM4—our most advanced Performance Monitor—so you get accurate, comparable data for every row. The PM4 uses ANT technology, so you can monitor your heart rate\* without extra wires, contains games not offered on the PM3, and has room to grow, so you'll be able to use features we haven't even thought of yet! The longer monitor arm keeps it all within easy reach.

\*A wireless Garmin chest belt is included with each PM4.





## DURABLE CONSTRUCTION THAT'S EASY TO MAINTAIN

Our machines are well-known for their durability and construction. Tough and built to last, our machines withstand rigorous use in boat houses, training centers, living rooms, hotels, health clubs and military bases around the world. We make sure our machines are easy to care for so you can focus on using your investment, not maintaining it.

## FLYWHEEL AND DAMPER

Our indoor rowers respond to your effort on every stroke, so you are in full control of your exertion and resistance at all times. The spiral damper allows you to quickly adjust the airflow to the flywheel, so you can change the feel of the stroke to suit your preference. The flywheel design minimizes noise while maximizing a smooth feel.

## SEAT HEIGHT

The Model E stands tall in a crowd. In a commercial setting, Model E users won't be dwarfed by the surrounding ellipticals and treadmills. In a private setting, you'll have the comfort and ease of getting on a machine that's at chair height. The 20 inch (50.8 cm) seat height is particularly helpful if your knees don't bend like they used to, if you'll be getting on and off the indoor rower from a wheelchair, or if you just prefer sitting higher off the ground.



## STORAGE AND MOBILITY

The Model E features a quick-release (no tools required!) framelock mechanism, so you can easily separate the machine into two pieces for storage. Caster wheels on the front foot allow you to roll the fully-assembled machine into position.



## NICKEL PLATED CHAIN

Nickel plated chain: looks good and works hard. The nickel plating allows for longer periods between oiling, and the fully enclosed chain housing keeps the chain cleaner. So, even if maintenance isn't your strong suit, the Model E will still feel silky smooth during your next workout.



## TECHNICAL DATA

Monitor	PM4
Overall Length	96 in (244 cm)
Width	24 in (61 cm)
Seat Height	20 in (51 cm)
Monorail Length	54 in (137 cm), Fits inseams up to 36 in (91 cm). Extra-long monorail available at an additional cost.
Chain or Cord	Nickel-plated steel chain
Chain/Cord Housing	Fully enclosed
Power Generation for PM	PM4 battery pack recharged when indoor rower is in use.
Maximum User Weight	500 lb (227 kg)
Support Legs	Welded steel
Monitor Arm	Fixed monitor arm made of aluminum. Monitor angle can be adjusted.
Finish	Double powder coat plus clear top coat
Color Scheme	Light gray with dark blue-gray accents.
Storage	Can be separated into two parts for easy storage
Space Requirements Assembled:	8 ft x 2 ft (244 cm x 61 cm)
With Clearance for Use:	9 ft x 4 ft (274 cm x 122 cm)

## FREE ACCESSORIES

- Rechargeable battery pack
- One LogCard
- USB cable for connecting the PM4 to your computer and accessing the data off your LogCard
- Garmin heart rate chest belt transmitter
- Chain oil
- User manual
- Tools and illustrated assembly instructions



# BACK TENSOR

rehabilitation of lumbar spine – 18.166.001

MECHANOTHERAPY

## INTRODUCTION

Elastic-Resistance Apparatus for Active Spine Re-education through Recovery of Abdominal Structures.

The Back Tensor apparatus allows performing muscle strengthening exercises without undesired effects on hip flexor muscles and adverse consequences for the rachis.

The Back Tensor can be beneficially used in rachis re-education programs and abdominal muscle strengthening. The elastic resistance allows a fluid and progressive execution of the exercises. During the exercise the patient is restrained to enhance the specificity and selectivity of the movements performed.



## MAIN FEATURES

- Modular resistance with up to 8 rubber bands (8 levels)
- Comfortable sitting position
- Simple and easy operating
- Modern design
- Stable construction

## TECHNICAL DATA

### Load type

Modular resistance with up to 8 rubber bands (8 levels)

### Dimensions:

155 x 45 x 185h cm

### Required area:

170 x 100 cm

### Weight:

70 Kg

## APPLICATION

- Maximum activation of abdominal rectus muscles and transverse abdominal muscle
- Minimum activation of ileopsoas and femoral rectus muscles
- Minimum rachis injury potential
- Maximum facility of execution



# TOTAL BACK

Active therapy – 13.501.001

MECHANOTHERAPY

## INTRODUCTION

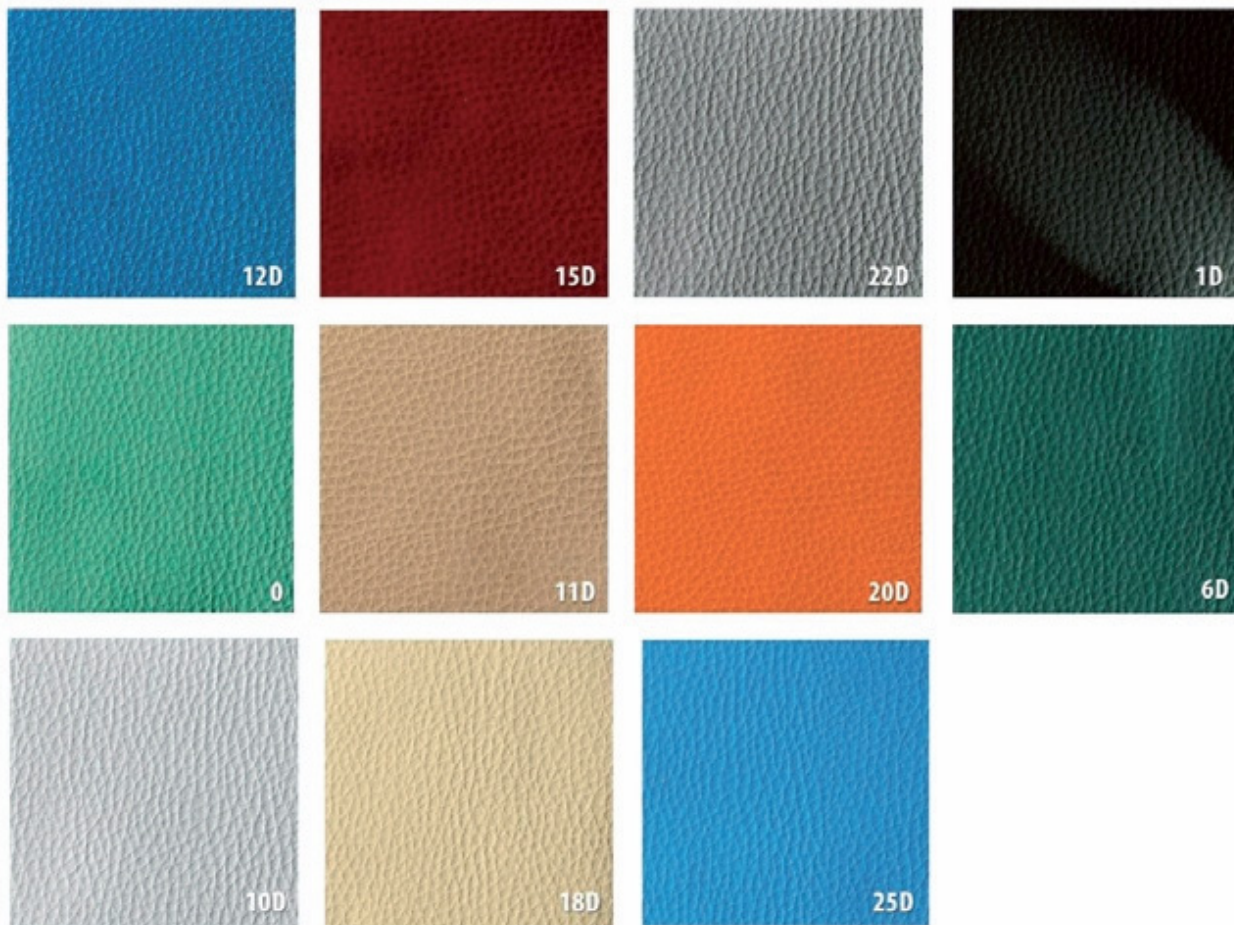
This active therapy equipment allows you to run strengthening, improving a range of motion and the muscle coordination. Practical construction enables you to adjust the device according to the individual patient needs.



## MAIN FEATURES

- full stabilization during the exercises
- individual load selection by changing the angle of the bearings
- full range of active exercises at any range of motion
- choice of load depending on a patient's condition
- easy lift adjustment
- stable and durable construction
- attractive design

## STANDARD COLORS



# AMETYST

Active therapy – 13.501.001

MECHANOTHERAPY

## INTRODUCTION

Treatment table / quadriceps bench that allows exercising and stretching leg muscles. The exercises may be personalized according to patient needs. Load / weight on the lower limbs and angle of training may be adjustable.

Painted steel structure, chromed steel leg supports, padded covering, adjustable back rest.





## MAIN FEATURES

**Length:** 1 700 mm

**Width:** 1 000 mm

**Height:** 720 mm

**Height of back rest:** 1 610 mm

**Back rest adjustment:** -20° up to +90°

## OPTIONAL

- stabilization belts for leg
- dumb-bells:
  - 2x – 0,5kg
  - 2x – 1,0kg
  - 2x – 1,25 kg

## STANDARD COLORS





# DELTOID RAISE

REHA line - czech rehabilitation fitness machines

MECHANOTHERAPY

## TECHNICAL DATA

Professional Rehabilitation fitness machine designed for practicing deltoid muscle.

- with a simple rotation mechanism of the seat it is possible to exercise at the fitness machines for both disabled (wheelchair) as well as for healthy person
- position of tilting seat ensures a spring pin
- construction of solid material
- handles are designed for comfortable holding while practicing shoulder muscles
- the weights pulley ensures smooth meshing of both hands
- possibility of performing exercise with each hand separately
- weight moving on polished stainless steel rods are provided with sliding sleeves and interlayer, which ensures a quiet operation
- weights are differentiated and is located in a protected machine construction
- soft and flexible drop of weights provide rubber blocks
- swivel joints and bearings are placed in ball bearings



# COUNTERWAY ROLLERS

REHA line - czech rehabilitation fitness machines

MECHANOTHERAPY

## TECHNICAL DATA

Professional Rehabilitation multifunctional fitness machine designed for practicing upper body, breasts, abdomen, arms, back, shoulders.

- weights are differentiated and is located in a protected machine construction
- construction of solid material
- weights are moving on polished stainless steel rods are provided with sliding sleeves and interlayer, which ensures a quiet operation
- swivel joints and bearings are placed in ball bearings



# AZURYT 1

Tilt table for rehabilitation

TABLES AND BEDS

## INTRODUCTION

This rehabilitation table is designed for use in orthopedic, neurologic, rheumatic diseases treatment as well as in rehabilitation

Places of use are: hospitals, clinics, health centers and rehabilitation centers.

The horizontal / vertical position of the table plate is electrically adjusted with the use of remote control.



## TECHNICAL DATA

- Dimensions: 2000mm x 600mm
- Height: 600mm
- Angle regulation 0-90°
- Fixing rods for stabilization belts
- Maximum weight of patient – 150kg
- Weight of table: 75kg

## OPTIONAL EQUIPMENT

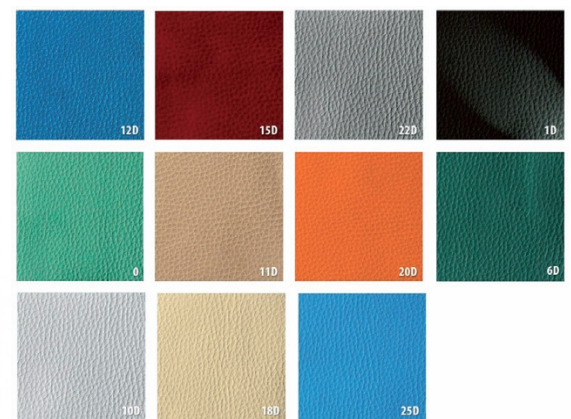
- wheels for mobility (with holders)
- headrest



## ATTENTION

Avoid surcharge of the table plate. Maximum surcharge (in elevation and lowering) is 130 Kg, static surcharge is no more than 150 kg evenly distributed on the whole surface of the table.

## LEATHER COLOR



# AZURYT 2

Tilt table for rehabilitation

TABLES AND BEDS

## INTRODUCTION

This rehabilitation table is designed for use in orthopedic, neurologic, rheumatic diseases treatment as well as in rehabilitation

Places of use are: hospitals, clinics, health centers and rehabilitation centers.

The horizontal / vertical position of the table plate is electrically adjusted with the use of remote control.





## TECHNICAL DATA

- Power supply: 230 V
- Power of actuator: 6000 N
- Power of actuator II (tilting process): 8000 N
- As a rule the upholstery consists of two elements: footrest and main plate
- Dimensions of the table (L x P x H): 200 x 68 x 58-96 cm
- Weight of the table (without patient): 105 Kg
- Angle adjustment:
  - - of the main plate +87°
  - - table height adjustment range 58 – 96 cm
- Maximum patient weight: 130 Kg.

## STANDARD EQUIPMENT

- No 3 – Belts for stabilization – 13.022.092
- No 1 – Fixing rods for stabilization belts (head, trunk, head) – 14.501.017

## OPTIONAL EQUIPMENT

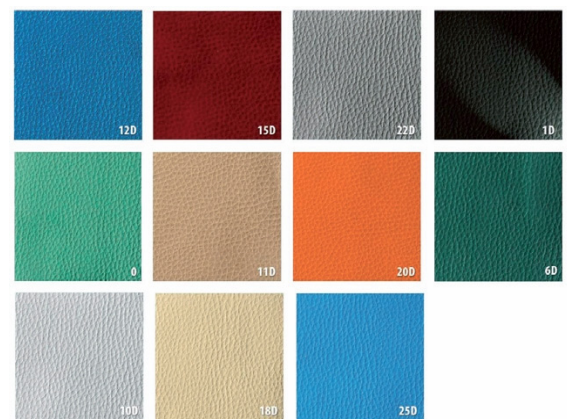
- Table with adjustable height – 14.501.019
- Rechargeable battery
- Central wheel system for mobility - 14.501.016



## ATTENTION

Avoid surcharge of the table plate. Maximum surcharge (in elevation and lowering) is 130 Kg, static surcharge is no more than 150 kg evenly distributed on the whole surface of the table.

## LEATHER COLOR





# AGAT 2

Fixed height table

TABLES AND BEDS

## INTRODUCTION

This rehabilitation table is designed for use in orthopedic, neurologic, rheumatic diseases treatment as well as in rehabilitation and cosmetics. Places of use are: hospitals, clinics, health centers and rehabilitation centers. The height of the table plate is not adjustable.



## TECHNICAL DATA

- Dimensions: 1900 mm x 660 mm
- Maximum weight of patient: 150 kg
- Weight of table: 35kg
- Table height adjustment: 750 mm standard, 650 mm – optional
- Headrest angle-adjustment: from -85° up to 35°

Headrest:

- 1 section with face hole
- 3 sections (2 armrests) – optional

## COLORS



## OPTIONAL

- Central wheels system for mobility (with holders) – 14.501.016
- Paper roll holder – 14.501.018
- Fixing rods for stabilization belts – 14.501.017
- 3 sections headrest (armrest) – 14.501.013

# BERYL

Rehabilitation table - 14.501.005

TABLES AND BEDS

## INTRODUCTION

This rehabilitation table is designed for use in orthopaedic, neurologic, rheumatic diseases treatment as well as in rehabilitation and cosmetics. Places of use are: hospitals, clinics, health centers and rehabilitation centers. The height of the table plate is electrically adjusted through the motor with the use of remote control.



## TECHNICAL DATA

- Dimensions: 2050mm x 650mm
- Table height adjustment: 450 – 1100mm
- Headrest angle-adjustment: from -85° up to 35°
- Leg rest angle adjustment to sitting position – up to 80°

Headrest:

- 1 section with face hole
- 3 sections (2 armrests) – optional

## OPTIONAL

- wheels for mobility (with holders)
- roll holder
- footswitch device
- 3 sections headrest (armrest)

## COLORS



# BERYL 2

Rehabilitation table

TABLES AND BEDS

## INTRODUCTION

This rehabilitation table is designed for use in orthopaedic, neurologic, rheumatic diseases treatment as well as in rehabilitation and cosmetics. Places of use are: hospitals, clinics, health centers and rehabilitation centers. The height of the table plate is electrically adjusted through the motor with the use of remote control.





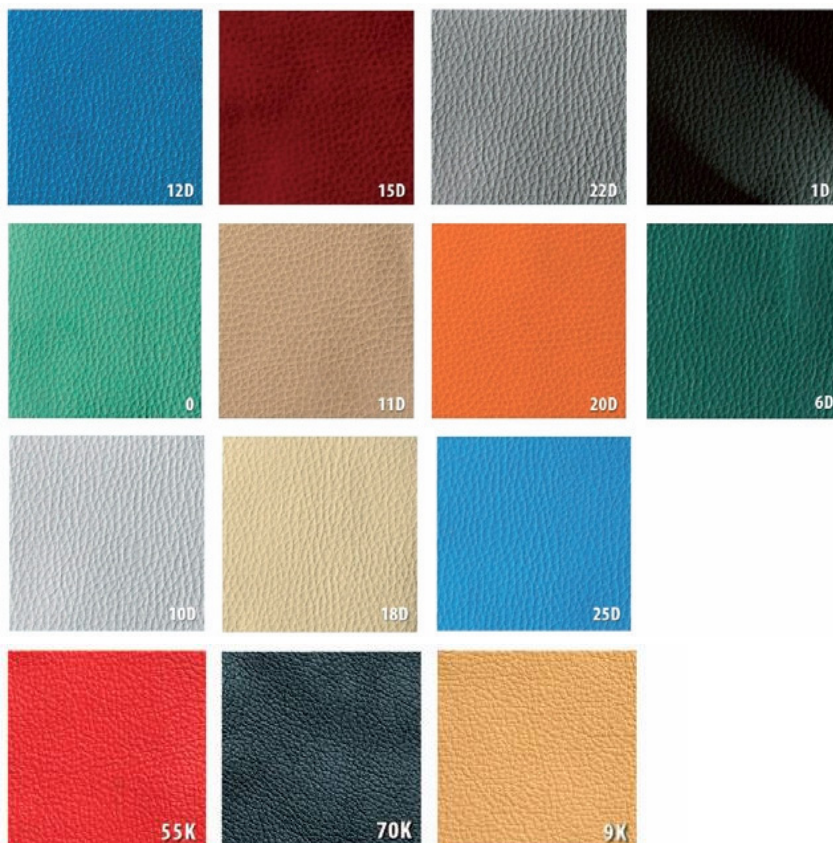
## TECHNICAL DATA

- Dimensions: 2000mm x 660mm
- Maximum weight of patient: 150kg
- Weight of table: 75kg
- Table height adjustment: 490 – 1020mm
- Headrest angle-adjustment: from -35° up to 55°
- Leg rest angle adjustment to sitting position: from -23° to 80°

Headrest:

- 1 section with face hole
- 3 sections (2 armrests) – optional

## COLORS



## OPTIONAL

- Central wheels system for mobility (with holders) – 14.501.016
- Paper roll holder – 14.501.018
- 3 sections headrest (2 armrests) – 14.501.013



# GRANIT

Rehabilitation table with 3 segments

TABLES AND BEDS

## INTRODUCTION

GRANIT is a modern and functional 3 dimensional table. It may be use for kinesiotherapy, manual therapy and massage and other types of therapy (eg. Mc Kenzie). It's stabile construction allows safe and precise therapy. This table has a possibility to vary the patient position in three space dimensions during treatment: lateral flexion, horizontal flexion/extension and rotation.

That means that a therapist may comfortable, easy and precise stabilize the patient in needed position. The height of the table plate is electrically adjusted through the motor with the use of remote control. Another advantage of this table is its modern design and simple use.



## TECHNICAL DATA

- Dimensions: 2000mm x 660mm
- Maximum weight of patient: 150kg
- Weight of table: 80kg
- Table height adjustment: 490 – 1020mm
- Headrest angle-adjustment: from -35° up to 55°

3d Leg rest adjustment::

- frontal plane (flexion/extension) +70/-30°
- sagital plane (side bend) +/- 15°
- transversal plane (rotation) +/- 10°

Headrest:

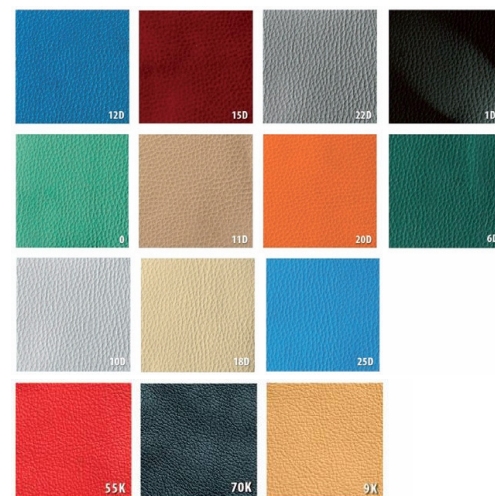
- 1 section with face hole
- 3 sections (2 armrests) – optional



## OPTIONAL

- 3 sections headrest (armrest) – order number: 14.501.013
- Central wheels system for mobility (with holders) - order number: 14.501.016
- Paper roll holder - order number: 14.501.018
- Fixing rods for stabilization belts – order number: 14.501.017

## COLORS



# KROUND-E

Bobath table

TABLES AND BEDS

## INTRODUCTION

This rehabilitation table is designed for use in orthopedic, neurologic, rheumatic diseases treatment as well as in rehabilitation and cosmetics. Places of use are: hospitals, clinics, health centers and rehabilitation centers. The height of the table plate is electricly adjustable.

Due to its dimensions, it is mainly used in individual therapy - tehrapist do exercising on the table with enough manipulation space around.





## TECHNICAL DATA

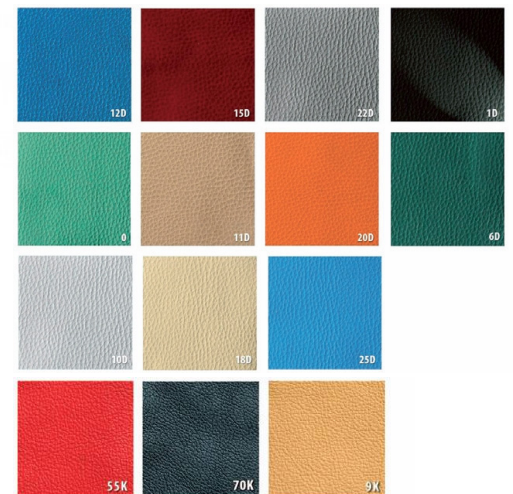
- Dimensions: 2000 mm x 1200 mm
- Maximum weight of patient: 150 kg
- Weight of table: 90kg
- Table height adjustment: 520 mm – 950 mm
- Headrest angle-adjustment: up to 30°



## OPTIONAL

- Footswitch device – 14.501.015
- Headrest – 14.501.014
- Wheels for mobility (with holder)

## COLORS





# OPAL

Treatment table – 14.501.004

TABLES AND BEDS

## INTRODUCTION

This rehabilitation table is designed for use in orthopedic, neurologic, rheumatic diseases treatment as well as in rehabilitation and cosmetics. Places of use are: hospitals, clinics, health centers and rehabilitation centers. The height of the table plate is electrically adjusted through the motor with the use of remote control.



## TECHNICAL DATA

- Dimensions: 2000mm x 660mm
- Maximum weight of patient: 150kg
- Weight of table: 75kg
- Table height adjustment: 440 – 1010mm
- Headrest angle-adjustment: from -85° up to 35°

Headrest:

- 1 section with face hole
- 3 sections (2 armrests) – optional



## OPTIONAL

- Fixing rods for stabilization belts – 14.501.017
- central wheels system for mobility - (with holders) – 14.501.016
- Paper roll holder – 14.501.018
- Footswitch device – 14.501.015
- 3 sections headrest (2 armrests) – 14.501.013
- Footbar switch for peripheral control – 14.501.022
- Set of stabilization supports - 3 pcs. – 14.501.023

# TOPAZ

Treatment table – 14.501.007

TABLES AND BEDS

## INTRODUCTION

This rehabilitation table is designed for use in orthopedic, neurologic, rheumatic diseases treatment as well as in rehabilitation and cosmetics. Places of use are: hospitals, clinics, health centers and rehabilitation centers. The height of the table plate is electrically adjusted through the motor with the use of remote control.



## TECHNICAL DATA

- Dimensions: 1900mm x 660mm
- Maximum weight of patient: 150kg
- Weight of table: 80kg
- Table height adjustment: 490 – 1050mm
- Headrest angle-adjustment: from -85° up to 35°
- Leg rest angle adjustment to sitting position: up to 70°
- Main part rest angle adjustment to Pivot position: up to 45°

### Headrest:

- 1 section with face hole
- 3 sections (2 armrests) – optional



## OPTIONAL

- Fixing rods for stabilization belts [1] 14.501.017
- Central wheels system for mobility (with holders) – 14.501.016
- Paper roll holder – 14.501.018
- Footswitch device – 14.501.015
- 3 sections headrest (2 armrests) – 14.501.013
- Footbar switch for peripheral control – 14.501.022
- Set of stabilization supports - 14.501.

# WOODEN TABLE

Type TF-204 – 19.022.002

TABLES AND BEDS

## INTRODUCTION

This wooden table is designed for use in physiotherapy, made of high quality wood, doesn't include metal parts.

Places of use are: hospitals, clinics, health centers and rehabilitation centers







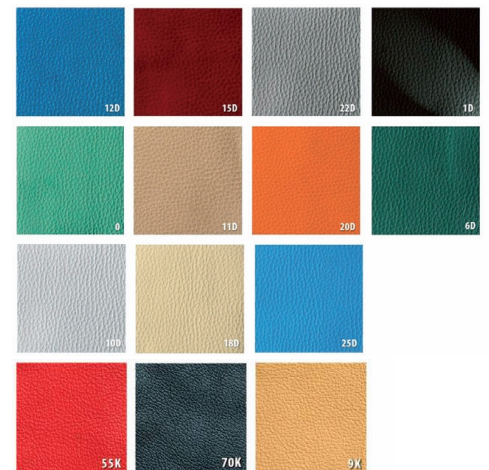
## OPTIONAL

- Paper roll holder - 19.022.009

## TECHNICAL DATA

- Dimensions: 1850 mm x 650 mm
- Maximum weight of patient: 130 kg
- Weight of table: 30kg
- Height: 700 mm
- Headrest angle-adjustment: from 0° up to 25°

## COLORS



# FYSIO BOBATH

FYSIO line "bobath" tables

TABLES AND BEDS

## SPECIFICATION

### FYSIO Bobath 1

1-section electric high-low bobath table with sturdy frame and wheels – height adjustment from 48 to 98 cm – top width 120 x 200 cm

### FYSIO Bobath 2

2-section electric high-low bobath table with sturdy frame and wheels – height adjustment from 50 to 100 cm – top width 120 x 200 cm - gas strut assisted head section

Adjustable head section.

**Width modifiable in manufacture from 90 to 150 cm**



# FYSIO ML1

FYSIO line verticalization / tilt table

TABLES AND BEDS

## SPECIFICATION

Well equipped tilt table with two section, fulfils the requirements of disabled persons to stand or be right up.

- electric tilt from 0° to 90°
- dimensions: 60 x 200 cm
- height adjustments: 50 – 80 cm
- manipulation wheelies
- 2 fixation straps
- 2 adjustable handles
- fixed padded footboard



# FYSIO ML II

FYSIO line rehabilitation table - 15702

TABLES AND BEDS

## SPECIFICATION

Table is designed to be used for testing, handling, training and other necessary performance in therapy.

Electric height adjustment On the sides can be placed mounting rails for fixing, on them are moveable straps and adjustable handles.

### Other optional equipment:

- transporting wheels
- adjustable elements to eliminate the unevenness of the floor
- Foot or hand-held electric control
- width of area 67 or 75 cm, 90 cm max optional
- length of 197 cm
- electrically adjustable height 52-95 cm
- 230V
- load 175 kg



# FYSIO ML2X

FYSIO line rehabilitation table

TABLES AND BEDS

## SPECIFICATION

Table is designed to be used for testing, handling, training and other necessary performance in therapy.

Electric height adjustment On the sides can be placed mounting rails for fixing, on them are moveable straps and adjustable handles.

- **Technical specification**

- Electrical height adjustment: 55 do 85 cm
- Adjustable head segment
- Dimensions 197×68 cm
- Possible adjustments on demand





# FYSIO ML 3

FYSIO line rehabilitation table

TABLES AND BEDS

## SPECIFICATION

- adjustable elements to eliminate the unevenness of the floor
- hand or foot control
- adjustable gas spring is less of +30 ° to-50 °
- surface width 67-90 cm, length 197 cm
- gas spring adjustable longer part of the +85
- electrically adjustable height 52-95 cm
- 230V, 50VA
- load 180 kg
- cephalic part load 30 kg
- weight 57 kg

### Other optional equipment:

- transporting wheels
- foot controller
- conical surface performance



# FYSIO ML 5

FYSIO line rehabilitation table

TABLES AND BEDS

## SPECIFICATION

- transporting wheels
- adjustable elements to eliminate the unevenness
- the floor
- hand or foot control
- gas spring adjustable lengths up to 40 °-90o
- gas spring adjustable longer part of the +75
- width of area 67 or 75 cm, length 197 cm
- electrically adjustable height 52-95 cm
- » 230V



# FYSIO ML2G

Gynecological / urological couch - 15825

TABLES AND BEDS

## SPECIFICATION

Gynecological, urological couch ML2g with electricly adjustable height and seat – 2 motores.

- height adjustment from 65 to 95 cm
- positioning of seating by electric part. engine
- positioning of the backrest by gas springs
- adjustable armrests and knee rest for feet
- stainless steel bowl with drain
- paper roll holder under the back part
- width of the surface 64 cm
- regulation of the backrest 65 degrees
- - 10 ° position Treldeburg



# FYSIO GL3

Gynecological couch - 15826

TABLES AND BEDS

## SPECIFICATION

Electrically adjustable gynecological couch with a comfortable foot control, leatherette upholstery of high quality.

Upholstery color: selectable according to the sampler.

Construction color: white, black, gunmetal or micaceous iron



## TECHNICAL DATA

- Seat width 60 cm, 70 cm total restraint +
- horizontal length of 135 cm
- positioning of seating by electric part. engine
- positioning of the backrest by gas springs
- adjustable armrests and knee rest for feet
- stainless steel bowl with drain
- paper roll holder under the back part
- width of the surface 64 cm
- regulation of the backrest 65 degrees
- - 10 ° position Treldeburg

# FYSIO ELEGANT 3

Couch for infusion with mechanical positioning

TABLES AND BEDS

## SPECIFICATION

Adjustable table / couch for infusion with mechanical positioning.

Positions: sitting upright, horizontal position and resting position.

The setting is performed continuously using gas or mechanical springs.

Advantage – no need for power supply

Can be used as:

- examinal desk chairs
- infusion chair
- Cosmetic couch / chair

Equipment:

- Adjustable / removable hand support
- Supports optional hands – Black PU or
- upholstered leatherette
- The possibility of addition of transport wheels
- dimensions: d / w 190 x 68 cm
- Height 45-55 cm
- Position the backrest 0-80°
- Positions of foot piece -45 – 0 °





# FYSIO ELEGANT 4

Gynecological couch - 15826

TABLES AND BEDS

## SPECIFICATION

Adjustable table / couch for infusion with electrical positioning. Positions: sitting upright, horizontal position and resting position.

Can be used as:

- examinal desk chairs
- infusion chair
- Cosmetic couch / chair

Equipment:

- Adjustable / removable hand support
- Supports optional hands – Black PU or upholstered leatherette
- The possibility of addition of transport wheels
- dimensions 190 x 68 cm
- height: 55-80 cm
- Position the backrest 0-80°
- Positions of foot piece -45 – 0°



# BALANCE TRAINING

Various balance training equipment

EXERCISE EQUIPMENT



## Exercise board - 20521

- padded surface
- rectangular 30 x 40 cm
- both made of wood
- upholstered

## Rocking board - balance bench

made of wood and upholstered leatherette – for use in a sitting position, lengthwise, or 2 patients simultaneously while standing

Dimensions: 180 x 60 x 13 cm



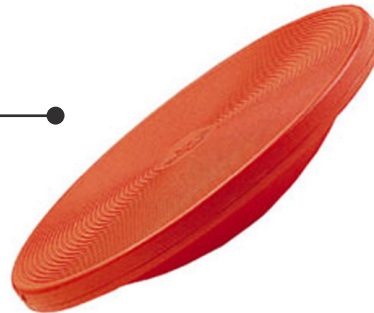
## Round exercise top

surface – Ø 40 cm – suitable for use in locomotiv rehabilitation, balance training, coordination of movement, muscle strengthening, weight mobilization, proprioception



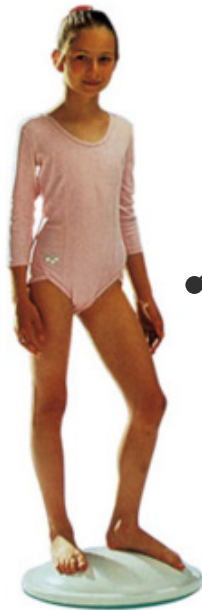
## Back balance Spherical - 20522

- made of plastic
- Ø 40 cm
- for various balance exercises



## Bobath balance - 20515

- 45 x 45 x H 13 cm
- made of wood
- upholstered



## Mambo Dynadome - 26775

- Half sphere, inflatable exercise dome, with tubing with handles
- This versatile product enables the user to perform exercises on both sides of the product, allowing it to be used for a full body workout as for balance exercises.
- Dimensions: Ø 59 x h 21 cm



## Wobbler - 20550

- an insert allows 2 kinds of games
- complete with 3 balls
- suitable for children from 4 year and adults
- A foot labyrinth game for improvement of co-ordination, balance, concentration and reaction, couples fun to exercise.

For more equipment and news, remember to visit our website to check out all the goods.

[www.fysiomed.cz](http://www.fysiomed.cz)



# BALLS AND ROLLS

Various balls and rolls for exercising

EXERCISE EQUIPMENT



## Hedgehog roll - 26162

- for sensorial massage
- color: green
- sold by each piece

## Hedgehog balls

for sensorial training and therapy

- 26155 – hedgehog ball Ø 8 cm
- 26157 – hedgehog ball Ø 10 cm
- 26158 – hedgehog ball Ø 20 cm



## Mammoth Skin Balls

- PU foam ball with special “mammoth” coating
- easy to clean
- resistant to picking



- 21442 – Ball Mammoth Skin Ø 7 cm
- 21443 – Ball Mammoth Skin Ø 9 cm
- 21445 – Ball Mammoth Skin Ø 16 cm
- 21446 – Ball Mammoth Skin Ø 18 cm
- 21447 – Ball Mammoth Skin Ø 21 cm

## Bobath Anti Burst Balls

When damaged the air slowly escapes and the user sinks gently towards the ground. Soft-touch surface.

21408 – Bobath Anti Burst Ball Ø 55 cm

21409 – Bobath Anti Burst Ball Ø 65 cm

21410 – Bobath Anti Burst Ball Ø 75 cm



## Fit Balls

- can be used for all ages and fitness levels
- improves endurance, strength and mobility
- provides exercises for better posture, balance, body awareness and coordination
- for active sitting
- diameter: Ø 65 cm and Ø 75 cm

## Bobath balls

- made of dense PVC
- for physiotherapy and bobath exercises
- inflatable

21399 – Bobath Ball Ø 55 cm

21401 – Bobath Ball Ø 75 cm

21402 – Bobath Ball Ø 85 cm

21403 – Bobath Ball Ø 95 cm



## Overball - 21440

- soft and supple
- can be blown up with the mouth
- for hand exercises, gym and aerobics – sensorial training
- exercises with slow motion ball
- max. Ø 26 cm

For more equipment and news,  
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# BALLS AND ROLLS

Various balls and rolls for exercising

EXERCISE EQUIPMENT



## Physiorolls

- roll-shaped ball made of dense PVC
- very suitable for locomotive rehabilitation and gym exercises
- also for swimming pool
- inflatable

21394 – Physioroll – Ø 40 x 65 cm

21395 – Physioroll – Ø 55 x 90 cm

21396 – Physioroll – Ø 70 x 115 cm

21397 – Physioroll – Ø 85 x 130 cm

## Ritmic Ball - 21422

- made of PVC
- set of 4 (yellow, red, blue, green)
- weight: 400 gr.
- diameter: max. 18 cm



## Body ball Ø 85 cm - 21353

- soft balls made of polyurethane
- more flexible and lighter than the Bobath balls
- pleasant sensation
- completely or only partly inflatable
- perfect for relaxation

## Gym Ball Display - 21411

support for 10 Bobath or Body Balls

height: 190 cm

diameter base: 150 cm



## Ball rack - 21418

- plastic rack with 3 shelves and pivoting wheels
- for balls with  $\varnothing$  from 7,5 to 23 cm
- dimensions: 150 x 90 x 47 cm

## Softball- 26150

foam polyester elastic exercise ball -  $\varnothing$  65 mm



## Ball support - 21412

- diameter:  $\varnothing$  47 cm
- color: black
- allows to use exercise balls as seating balls
- avoids rolling away

For more equipment and news,  
remember to visit our website to  
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# GYM EQUIPMENT

Various gym equipment for exercising

EXERCISE EQUIPMENT



## Incline Board - 26756

The Incline Board is designed to improve the position and increases extension in the lower and upper back while stretching the calves.

- made of hard plastic
- adjustable angle: 10°-15°-20°-30°
- dimensions: 35 x 35 cm

## Vertical Stepper - 26751

- for up- and downward exercises of the foot and ankle



## Balance Stepper

- for lateral exercises of the ankle and the foot



## Flexibar - 25965

exercise tools for core stability training provides a full spectrum of muscle strengthening, aerobic and flexibility exercises – ideal for physical rehabilitation, sports performance training, personal training and weight loss



## Activity Rings - 26209



set of 6 brightly colored Activity Rings, made of soft artificial rubber – Ø 16,4 cm – 1,2 cm thickness

The Activity Rings can be used both in spontaneous and structured activities in rehabilitation, therapy, sports, gymnastics, play and leisure,... as inspiration for countless activities such as dancing in a circle, walking on tiptoe in the rings, balancing the rings on the head, juggling rings on arms and legs, throwing rings, jumping, building figures,...



## Pilates Circle - 26600

- ring with resistance made of flexible plastic with a soft, rubberised shell
- padded handles on both the inside and the outside
- diameter: 38 cm

## Tactile Discs - 26749

Prominently structured tactile material for stimulating exercises which challenges the sense of touch of hands and feet. The large discs can be positioned on the floor for exercise with the feet, the small discs are designed for exercises with the hands. The complete set consists of 20 discs: 10 large (Ø 27 cm) and 10 small (Ø 11 cm) discs, featuring 10 different tactile structures, each structure in different colors for large and small discs respectively.

Supplied with a blindfold and a cloth bag.



For more equipment and news, remember to visit our website to check out all the goods.

[www.fysiomed.cz](http://www.fysiomed.cz)



# GYM EQUIPMENT

Various gym equipment for exercising

EXERCISE EQUIPMENT



## Tubings

- 25954 – Tubing yellow - feeble resistance
- 25955 – Tubing red - medium resistance
- 25956 – Tubing green - medium resistance plus
- 25957 – Tubing blue - large resistance minus
- 25958 – Tubing black - large resistance
- 25959 – Tubing silver - large resistance plus

- length - 30 m
- elastic tubes with progressive resistance according to colour
- can be knotted or used with the handgrips 25940
- locomotion and coordination are stimulated
- invent new exercises and applications
- also suitable for muscular development and fitness

## Dumb-bell rack Salter - 22255

with 8 rubber dumb-bells: 2 x 1 kg, 2 x 2 kg, 2 x 3 kg, 2 x 4 kg

dimensions: 25 x 25 x 69 cm



## Dumb-bell rack Salter - 22255

with 8 rubber dumb-bells: 2 x 1 kg, 2 x 2 kg, 2 x 3 kg, 2 x 4 kg

dimensions: 25 x 25 x 69 cm



## Fysioband 2 x 22,5 m

elastic sling made of pure latex with progressive resistance – suitable for rehabilitation, locomotive and perception exercises – also for fitness, aerobic, sports, overall condition exercises, etc. ...an immense amount of exercises suitable for any situation

25950 – Fysioband gold - max resistance  
25949 – Fysioband silver - large resistance plus



## Fysioband 45,5 m



25944 – Fysioband yellow - feeble resistance  
25945 – Fysioband red - medium resistance  
25946 – Fysioband green - medium resistance plus  
25947 – Fysioband blue - large resistance minus  
25948 – Fysioband black - large resistance

## Set of 4 hoops - 21426

- set of 4 colored hoops
- diameter: 60 cm



## Gym Ring - 21424

- set of 4: yellow, red, green, blue
- diameter: 18 cm
- exercises: throw and catch, sensorial training
- also for water games, floats

For more equipment and news,  
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# GYM EQUIPMENT

Various gym equipment for exercising

EXERCISE EQUIPMENT

## Pilates roller - 21328



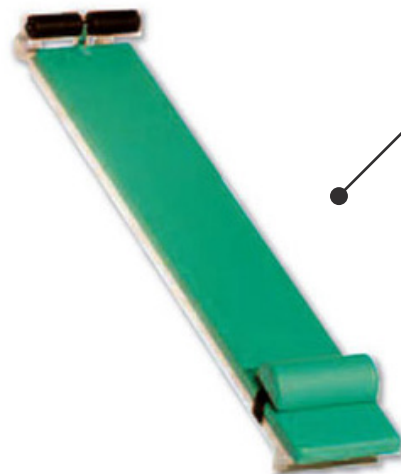
This comfortable sturdy and shape roll enhances effects of Pilates exercises.

- non-slip surface ensures an effective training at home or at the fitness studio
- sweat and saliva proof
- diameter: 14 cm – length: 90 cm
- with exercise poster

## Double pulley with wall bars - 21100

equipment with two pulleys and wooden wall bars suitable for fitness at home and rehabilitation therapy

- adjustable working load from 1 to 20 kg
- painted steel frame
- pulleys, adjustable in height, are sliding along chromium-plated rods
- dimensions: 122 x 33 x h 220 cm



## Abdominal bench - 21042

bench for abdominal exercise – can be attached to wall bars or ladder

- with neck pad and adjustable foot blocks
- padded top covered with washable vinyl
- white epoxy steel frame
- dimensions: 196 x 32 x 32 cm

## Wall bars cushion

- with clamps, fits on all wall bars
- covered with washable vinyl
- suitable for cyphosis and scoliosis exercises
- dimensions: 31 x 16 x 48 cm



## Set of 4 sticks - 21421

- set of 4 colored exercise sticks
- length: 1 m
- plastic material



## Set of 4 hoops - 21426

- set of 4 colored hoops
- diameter: 60 cm



## Gym Ring - 21424

- set of 4: yellow, red, green, blue
- diameter: 18 cm
- exercises: throw and catch, sensorial training
- also for water games, floats



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