



MOTOmed® next generation

PRODUCT BROCHURE



We think



movement – differently.

RECK

Strong for people who value professional support in their movement.

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MOTomed®

A worldwide movement

Surely it is no coincidence that MOTomed is present in almost all trend-setting clinics worldwide. MOTomed Movement Therapy devices are applied in countless fields for which one requires an innovative, customized concept. Not to mention the number of people that move with the MOTomed in rehab facilities, nursing homes and at home. For a better quality of life.



The innovative design with new haptics characterizes the MOTomed next generation. Optimized proportions, the exclusive height adjustment, a contemporary hygiene concept as well as a convincing usability led to a new interpretation of our models. Thus, MOTomed offers a uniquely novel movement experience.

Intelligent Design



Move Differently

in sitting position

leg trainer

arm/upper
body trainer



leg and arm/upper body
trainer with simultaneous
training

in supine position



Three Therapy Modes

passive

The motorized movement without physical effort is especially suitable for regulating muscle tone, loosening muscles, reducing spasms, maintaining joint flexibility and for improved blood circulation and mobilization. The user can regulate the passive movement speed individually.

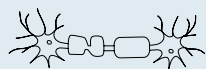
assistive

MOTomed function ServoCycling enables a smooth transition from passive to active training mode. Even with minimal muscle strength, active training becomes possible due to this function. Residual muscle strength is detected and built up without overtraining.

active

The MOTomed training against finely adjustable resistance levels strengthens the muscles of legs, arms and upper body as well as the cardiovascular system. Strength, endurance and coordination can improve remarkably.

Indications



multiple sclerosis



stroke



Parkinson's



brain injury



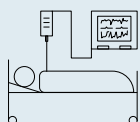
hemodialysis



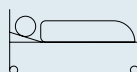
Alzheimer's/dementia



cancer



intensive care



movement in nursing bed



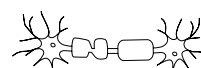
hypertension



Stroke

»It allows the patient to counteract consequences of lack of movement and contributes as well as positively influences the personal therapy progress.«

Literature // Dobke B, et al: Use of an assistive movement training apparatus in the rehabilitation of stroke patients *Neurologie und Rehabilitation* 2010; 16(5/4): 173–185



Multiple sclerosis

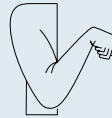
»Already 30 min of MOTomed Movement Therapy per week lead to statistically significant improvements of the walking ability of MS patients.«

Literature // Sociedad Española de Neurología 2017. *Journal »Neurología«*. Doi: 10.1016/j.nrl.2017.07.008

- polio/post-polio-syndrome
- muscular atrophy
- spina bifida
- infantile cerebral palsy
- muscular dystrophy
- apallic syndrome
- ALS
- polyneuropathy
- Guillain-Barré syndrome
- Friedreich's ataxia



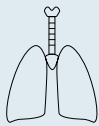
muscle disease



spastic paralysis/ICP



orthopedics



COPD



paraplegia



diabetes type2



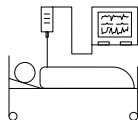
blood circulation in
lower extremities



movement for seniors



movement for children



Intensive care

»Bedside cycle ergometry can provide range of motion and muscle strength training for intensive care unit patients who are either sedated or awake, and may help preserve muscle architecture and improve strength and function.«

Literature // Needham DM, et al: Technology to enhance physical rehabilitation of critically ill patients. Crit Care Med 2009; Vol. 37, No. 15

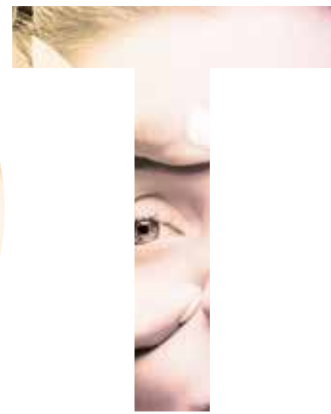
Supports Big and Small Therapy Goals

Activate residual muscle strength

Hidden residual muscle strength can be discovered and established. Even if no individual movement is possible.

Reduce spasticity

Loose your muscles from sudden spasms, high muscle tone or general immobility.



Reduce consequences of physical inactivity

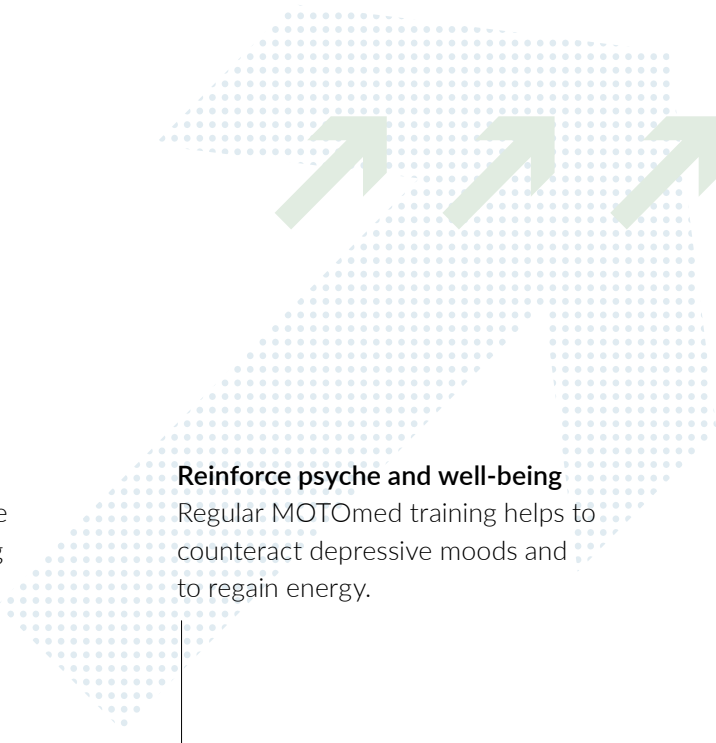
- blood circulation disorders
- joint stiffness
- digestion and urination disorders
- osteoporosis
- water accumulation in the legs (edema)
- cardiovascular disorders
- hypertension
- metabolic disorders (Diabetes mellitus)...

Counteract fatigue

Chronic fatigue syndrome can be reduced.

Improved lymph flow

MOTomed Movement Training can increase the lymph flow and therefore reduce swelling and edema that cause lymphatic blockages.



Encourage walking

The basic fitness, muscle strength, endurance and coordination which is needed for walking can be sustained and built up.

Reinforce psyche and well-being

Regular MOTOmed training helps to counteract depressive moods and to regain energy.



Shoulder training

The height adjustment enables an individual adjustment of the arm/trunk angle for an optimal training of shoulder, neck and back muscles.

Activation of abdominal muscles

Regular MOTOmed Movement Training can activate body, abdominal and pelvis muscles.

Train strength, endurance, flexibility and coordination with your own MOTOmed.

Therapy Programs

The therapy programs are designed by educated sports scientists on the basis of therapeutic aspects. According to indication, therapy plan and endurance, your MOTOMed can be adapted to individual therapy goals.

Loosening program

The loosening program is a purely passive training, which moves and loosens the user's legs and/or arms/upper body with the help of a motor. The loosening program reduces the muscle tone in people with cramps or spasms.

Endurance program

Endurance training is an effective cardiovascular therapy with a low, continuous training stimulus over a longer period of time. Endurance training helps to build up or sustain basic fitness and improves the general state of health.

Strength endurance program

The strength endurance training is a combination of endurance and strength training. In comparison to pure endurance training, the training stimulus is higher while the training time is shorter. This training protocol focuses on targeted muscle training in order to build up muscle strength.

Individual programs

Aside from the therapy programs with pre-defined sequences such as loosening, endurance, strength endurance, Parkinson's, stroke and multiple sclerosis, the user can create and save his own therapy sequences.

SymmetryTraining

In active training a graphic display indicates whether the users apply more strength on the right or on the left side or whether they train symmetrically. Particularly hemiplegic patients (e.g. stroke recovery) profit greatly from this sensory-motor perception and coordination training.





MOTomed loop makes it possible:
**Apply the MOTomed Movement Therapy now
directly from your electric wheel chair.**

Safety Concept

SmoothDriveSystem

The smooth drive technology can loosen higher tones, slowly easing muscle pain. A gently adjusted belt drive enables a fluent movement.

MovementProtector

In case of a muscle cramp, spasticity or a simple movement freeze during the course of the training, this function automatically stops the pedals. Due to sensitive sensor technology the MovementProtector perfectly adapts to any change in tone.

SpasmControl

The automatic rotation change feature of the SpasmControl can ease spasms which are recognized by the MovementProtector. Legs and arms are relieved and the direction of rotation is switched following a brief resting period. The process is repeated until the spasm is loosened. This function is based on the therapeutic principle (antagonistic inhibition), that a bending spasm is loosened by stretching, while a stretching spasm is loosened by bending.



Training feedback

The intelligent MOTomed models give feedback: in real time during and after the training. The user receives information on the achieved duration, distance, symmetry, metabolic rate, tone, average and maximum active performance as well as the proportion of active to passive performance. To receive information, the user can choose between a total overview or a large individual presentation.

Innovations



MOTomed loop on Top

With the new and innovative height adjustment the user can adjust the height of the MOTomed loop models without tools. Therefore, the movement trainers offer an optimal adaptation to the user for leg and arm training.

Ideally, the height adjustment expands the selection of seating positions for the MOTomed Movement Therapy. That way the user trains at the MOTomed loop from either active wheel chair, electrical wheel chair, nursing wheelchair, seat shell or chair.

The special advantage of the height adjustment for the user is the individual adjustment of the arm/trunk angle. This ensures an optimum training of shoulder, neck and back muscles. In addition, the users profit from the slightly elevated supine position that enhances the venous reverse flow.

Ergo handles



strengthen
shoulder muscles



activate abdominal
and pelvis muscles

improve
lymphatic flow



Individualizing

Everything that is part of sports, can also be applied to movement therapy: MOTOMed accessories enable an ideal adaptation to individual training requirements.

Hygiene concept

The high-quality material with smooth shaped surfaces of the MOTOMed next generation fulfills the high standards as part of the hygiene management in everyday clinical routine.



Intuitive and Digital



Games

The training with its entertaining motivation games guarantees fun and good entertainment. The user engages in training that consists of strengthening, endurance, coordination and concentration. This can support the creation of new synapses and can encourage the mental performance capability.

Videos

Video sequences with different scenes from nature accompany the users during their regular training with the MOTomed loop and thus ensure relaxation and diverse training sessions.

Slideshow

Via a USB drive the users can import photos to the MOTomed. Looking at their own photos gives the training a further incentive and can also be used therapeutically for diseases such as dementia and Alzheimer's.



position of handles for arm/upper body training



different positions of the handles for holding on to during leg training with MOTomed loop.la

Software coordinated change of training

Software coordinated change of training

At the MOTomed loop.la the user can control the change between leg and arm training per touch on the display. The MOTomed loop.la automatically changes the training mode.

Color touch screen

The users navigate the user surface in a simple and spontaneous way per touch and intuitively achieve their goal. The new 7" colour touch display offers intelligent functions in innovative form. Naturally, the display is suitable for wipe disinfection.

Upgrade bundle

The Upgrade Bundle allows the user to change the features and functionality of all models of the MOTomed loop edition at a later date.



Non-binding fig. MOTomed loop.la prof

Facilities and Clinics

The MOTomed *Professional Series* offers customized models for diverse application fields in clinics and facilities.

Special Equipment of the MOTomed loop.la prof

- ① Plastic-coated safety foot shells
- ② Leg guides with plastic-coated calf shells and disinfectable fastening straps
- ③ »QuickFix« foot fastening system
- ④ Plastic-coated handles with quick release system
- ⑤ Gas spring support for height adjustment
- ⑥ Pedal radius quick adjustment (leg trainer, pair)



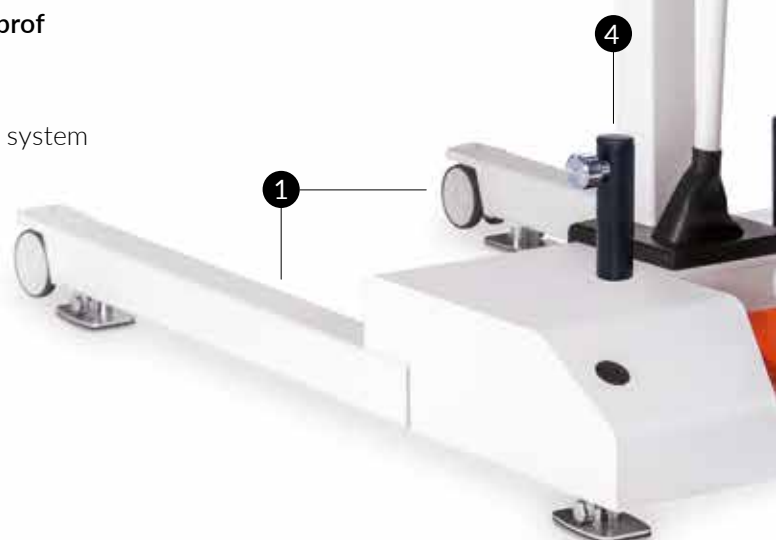


ICU/Intensive Care

The ideal equipment of the MOTomed layson edition from the *Professional Series* is based on decades of experience of RECK Medical Devices.

Standard equipment of the MOTomed layson.la prof

- 1 Expandable chassis
- 2 Plastic-coated safety foot shells with quick release system
- 3 »TrainCare« with plastic-coated leg guides and disinfectable fastening straps
- 4 »StoreSet«: 'Wing' storage for »TrainCare«
'Holder' holder for foot shells or handles
- 5 QuickFix« foot fastening system
- 6 Plastic-coated handles with quick release system
- 7 Removable operating panel with docking station
- 8 Activation of serial interface





Dialysis

MOTomed layson.I dia

The MOTomed Movement Therapy during dialysis treatment can support the filtration of urinous substances in the blood. Therefore, the dialysis effectiveness can be increased. Due to the three therapy modes even weak, multimorbid patients can profit from MOTomed Movement Therapy during dialysis treatment. This can strengthen the cardiovascular system and improve the general fitness as well as the performance.



Diverse in Rehabilitation

MOTomed loop.la prof

The *Professional Series* convinces in everyday life of facilities and rehabilitation units. The high-quality solid construction made of steel makes the devices durable and diverse in action, especially with its extended equipment. The MOTomed loop.la prof complements the therapy spectrum for inpatient and outpatient treatments. The MOTomed Movement Therapy supports the therapy process through targeted endurance, strength and coordination training. It can balance out or reduce consequences of lack of movement and relieving posture.



Comfortably at Home

A movement that belongs to me

In the intensive care unit, in physiotherapy, during aftercare. And how about when you return home? The yearning for regular movement and well-being arises. People who have used the MOTomed during the first phase of their disease feel this yearning. The need for soothing movement in everyday life is strong. Because what you have learned to appreciate during your time in rehabilitation – movement – you should not lack at home. Get the MOTomed for your home.



leg training



leg or arm/upper
body training



arm/upper body training



Simultaneous training



leg training



leg or arm/upper
body training

MUVI



muvi



muvi



muvi



muvi

LOOP



loop.l *



loop.la *



loop.a *

PROF



loop.la prof *



loop.la prof *



loop.la prof *

LAYSON



layson.l



layson.la

PROF



layson.la prof

LIGHT

PARKINSON

KIDZ

KIDZ



loop light.l *



loop p.l *



loop kidz.l *



gracile 12 [l]



loop light.la *



loop p.la *



loop kidz.la *



gracile 12 [la] with accessory
arm/upper body training



loop light.la *



loop p.la *



loop kidz.a *



gracile 12 [la] with accessory
arm/upper body training

MOTomed® family next generation

* The models of the MOTomed loop edition can be changed in equipment and functionality via Upgrade Bundle.

LAYSON

KIDZ



layson.l dia

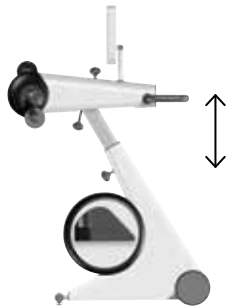


layson kidz.l



layson kidz.la

MOTomed® muvi – Simultaneous Movement



vertical adjustment of the
arm trainer



vertical adjustment of the
arm trainer



radial adjustment:
180° rotation of the arm trainer

Unique is the simultaneous movement therapy that almost comprises the whole musculoskeletal system. The user trains legs, arms and the upper body simultaneously whereas speed and resistance can be adjusted individually. The whole-body MOTomed movement can increase the muscle strength and flexibility effectively as well as strengthen the cardiovascular system ideally. The users can sensitize their movement experience and can optimally train their coordination even with movement limitations.

Therefore, the simultaneous movement therapy increases the therapy effectiveness if the training time per patient can be reduced through simultaneous movement. The therapy effort is reduced sustainably.

Training videos

With MOTomed muvi users enjoy the therapy sessions with training videos. The clips accentuated with music give you the feeling of being »right there«. The videos are a training motivation with entertainment value.



Increase motivation and improve therapy.
 Play your favorite music on the MOTomed muvi.

Always a clear view of the color touch display for users and caregivers.
 It is steplessly inclinable and rotatable.

Start Buttons



simultaneous leg and arm/
upper body training



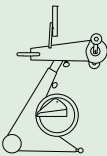
arm training



leg training



MOTomed muvi
 simultaneous movement therapy



technical specifications standard equipment MOTomed muvi	
weight	51 kg 112 lbs
measurements (L×W×H)	95–108×60×124–135 cm 37–42×23×48–53 in
maximum user weight	135 kg 297 lbs
display size	12,1" 30,7 cm
mains voltage 100–240 V~ / max. 120 VA; mains frequency 47–63 Hz; classification IIa according to MDD 93/42/EEC/MDR (EU) 2017/745; safety class II/type BF	

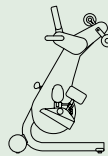
MOTomed® loop edition

The models of the MOTomed loop edition stand for future-oriented movement therapy in sitting position. Through the new design and its digital intelligence the user can experience the MOTomed Movement Therapy in a completely new way. The models of the MOTomed loop edition are diverse and help therapy and nursing staff with their work routine.

- plastic-coated foot shells
- upgradeable
- height adjustment
- color touch display, inclinable
- intuitive operation
- MOTomed accessories for individual requirements
- therapy programs
- slideshow
- games



MOTomed loop.la
arm training mode



technical specifications standard equipment	MOTomed loop.l	MOTomed loop.la	MOTomed loop.a	MOTomed loop.la prof
weight	35 kg 77 lbs	36 kg 80 lbs	31 kg 69 lbs	39 kg 86 lbs
measurements (L×W×H)	70×60×107-122 cm 28×24×43-48 in	70×60×107-122 cm 28×24×43-48 in	70×60×107-122 cm 28×24×43-48 in	70×60×107-122 cm 28×24×43-48 in
maximum user weight	135 kg 297 lbs	135 kg 297 lbs	135 kg 297 lbs	135 kg 297 lbs
display size	7" 18 cm	7" 18 cm	7" 18 cm	7" 18 cm

mains voltage 100–240 V~ / max. 120 VA; **mains frequency** 47–63 Hz;
classification IIa according to MDD 93/42/EEC/MDR (EU) 2017/745; **safety class** II/type BF

MOTomed® loop light

MOTomed loop light contains all elementary functions for a secure movement therapy.

- height adjustment
- intuitive operation
- color touch display, inclinable
- MOTomed accessories for individual requirements

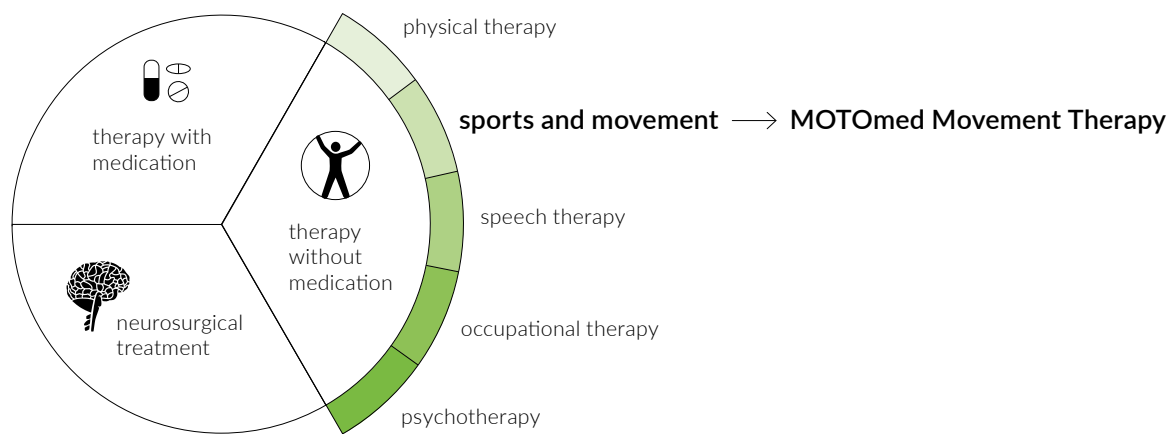


MOTomed loop light.la
leg training mode



technical specifications standard equipment	MOTomed loop light.l	MOTomed loop light.la
weight	33 kg	36 kg 80 lbs
measurements (L×W×H)	70×60×107-122 cm	70×60×107-122 cm 28×24×43-48 in
maximum user weight	135 kg	135 kg 297 lbs
display size	7" / 18 cm	7" 18 cm
mains voltage 100–240 V~ / max. 120 VA; mains frequency 47–63 Hz; classification IIa according to MDD 93/42/EEC/MDR (EU) 2017/745; safety class II/type BF		

MOTomed® loop parkinson



MOTomed in Parkinson's therapy

Regular movement therapy in combination with medication is the basis of recent Parkinson's therapy. The MOTomed loop parkinson has a software-controlled motor which enables a movement training with high revolution speed. The users can either train passively or actively with their own muscle strength.

So far, positive effects of this so-called »forced exercise« were reported for gait ability, balance, akinesia, fine motor skills and posture. Regular therapy training with MOTomed loop parkinson also helps to improve Parkinson's-related symptoms such as tremor and rigor.



technical specifications standard equipment	MOTomed loop p.I	MOTomed loop p.Ia
weight	35 kg 77 lbs	36 kg 80 lbs
measurements (L×W×H)	70×60×107-122 cm 28×24×43-48 in	70×60×107-122 cm 28×24×43-48 in
maximum user weight	135 kg 297 lbs	135 kg 297 lbs
display size	7" 18 cm	7" 18 cm
mains voltage 100-240 V~ / max. 120 VA; mains frequency 47-63 Hz; classification IIa according to MDD 93/42/EEC/MDR (EU) 2017/745; safety class II/type BF		



Forced Exercise

Due to the therapeutic movement concept *Forced Exercise* the lower extremities of Parkinson's patients get moved noticeably faster than the symptoms of their disease would normally allow them to do. A group of researchers (Ridgel et al., 2009) from the USA found out that movement speeds up to 90 rpm help to improve the Parkinson's-related symptom of tremor. Moreover, a significant improvement of the finger's fine motor skills of about 30% could be measured. During and after fast passive movements, brain sections which also get stimulated by Parkinson's medication, have been recognized as active. Therefore, the quick movements have an effect on the whole body.

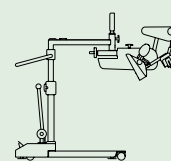
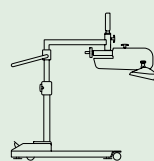
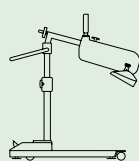
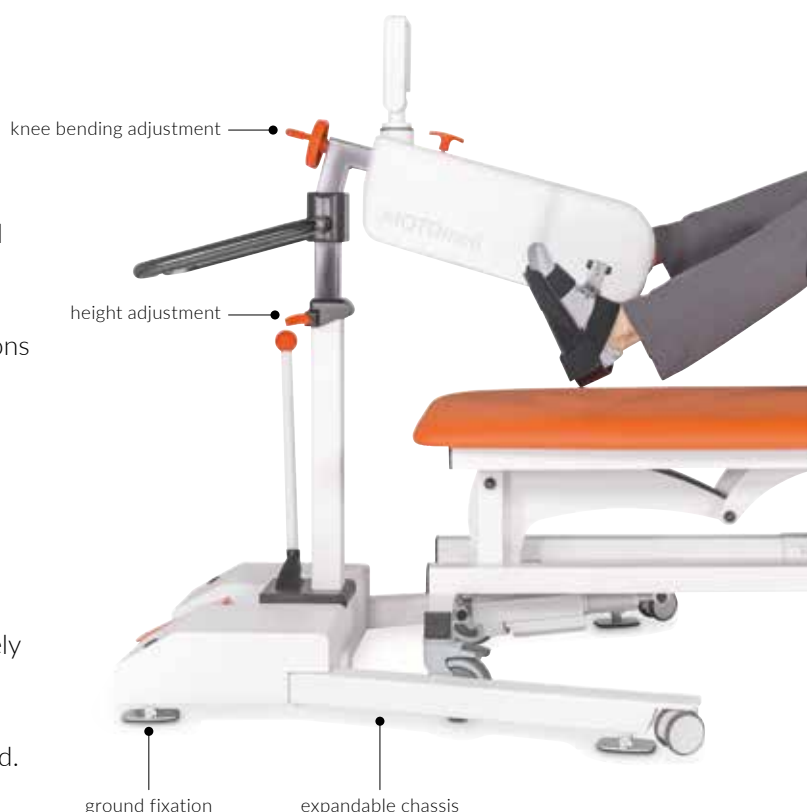
MOTomed® layson edition

Movement therapy in supine position

The orange colored adjustment options of the MOTomed layson edition have an intuitive calling character. The reduction to few operating elements enables a quick and effective handling in everyday clinical routine. The functions and programs are set directly on the color touch display.

With the assistance of the pneumatic spring supported height adjustment the nursing staff can position the MOTomed layson edition in the correct height without steps and effort. Due to the free revolvable castors it can be moved easily and flexibly. The nursing staff optimally adjusts the MOTomed Movement Therapy device intuitively with few simple steps to the patient's requirements. The comfortable, centrally operated ground fixation provides the MOTomed layson edition with a safe and strong stand.

Depending on the requirements and the possibilities the nursing staff can move the MOTomed layson.la to the bed from three different positions: from the front and the side – the left or the right side. Similar to the expandable chassis the parallel chassis can be varied in width.



technical specifications standard equipment

	MOTomed layson.l	MOTomed layson.la	MOTomed layson.la prof
weight	80 kg 177 lbs	98 kg 217 lbs ¹ / 92 kg 203 lbs ²	105 kg 232 lbs
measurements expandable ¹ chassis (L×W×H)	110–125×62–100×113–157 cm 44–50×25–40×45–62 in	142–155×67–105×131–166 cm 56–62×27–42×52–66 in	142–155×67–105×131–166 cm 56–62×27–42×52–66 in
measurements parallel ² chassis (L×W×H)	110–125×62–92×113–157 cm 44–50×25–37×45–62 in	142–155×67–97×131–166 cm 56–62×27–39×52–66 in	–
expandable chassis (spread width of guide tracks)	min. 34 max. 88 cm min. 14 max. 35 in	min. 55 max. 93 cm min. 22 max. 37 in	min. 55 max. 93 cm min. 22 max. 37 in
parallel chassis (distance between guide tracks)	min. 50 max. 80 cm min. 20 max. 32 in	min. 55 max. 85 cm min. 22 max. 34 in	–
height adjustment (maximum bed height)	103 cm 41 in	105 cm 42 in	105 cm 42 in
chassis height (ground clearance bed)	10 cm 4 in	10 cm 4 in	10 cm 4 in
maximum user weight	135 kg 297 lbs	135 kg 297 lbs	135 kg 297 lbs
display size	7" 18 cm	7" 18 cm	7" 18 cm

mains voltage 100–240 V~ / max. 120 VA; **mains frequency** 47–63 Hz; **classification** according to 93/42/EEC (MDD), (EU) 2017/745 (MDR): IIa



MOTomed layson.l
movement therapy with legs

MOTomed layson.la
movement therapy with legs and/or
arms/upper body

Intensive care and early mobilization

In intensive care and in early mobilization MOTomed Movement Therapy can contribute to a substantial improvement of the patient's general condition. Patients in supine position can train passively, assistively or actively from nursing bed or therapy couch. In addition to the general therapy benefits such as mobilization, regulating the muscle tone or boosting circulation, the MOTomed layson edition is also used for ventilation weaning and during hemodialysis treatment. The MOTomed Movement Therapy can contribute to reducing the length of stay in intensive care.



technical specifications standard equipment	MOTomed loop kidz.l	MOTomed loop kidz.la	MOTomed loop kidz.a
weight	35 kg 77 lbs	36 kg 80 lbs	31 kg 69 lbs
measurements (L×W×H)	70×60×107-122 cm 28×24×43-48 in	70×60×107-122 cm 28×24×43-48 in	70×60×107-122 cm 28×24×43-48 in
maximum user weight	135 kg 297 lbs	135 kg 297 lbs	135 kg 297 lbs
display size	7" 18 cm	7" 18 cm	7" 18 cm

mains voltage 100-240 V~ / max. 120 VA; **mains frequency** 47-63 Hz;
classification IIa according to MDD 93/42/EEC/MDR (EU) 2017/745; **safety class** II/type BF

MOTomed® loop kidz

With the MOTomed loop kidz children and adolescents can playfully train their endurance, strength and symmetry. Young humans with physical limitations experience movement, joy and well-being.

- from 1,40 m | 4,60 ft body size
- upgradeable
- height adjustment
- color touch display, inclinable
- child-friendly interface
- MOTomed accessories for individual requirements
- therapy programs
- slideshow
- games

top left //

kidz screen: home screen

bottom left //

kidz screen: active training



MOTomed loop kidz.la
leg training mode

MOTomed® gracile12

MOTomed gracile12 grows along

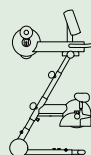
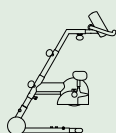
Through various adjustment options the MOTomed gracile12 grows along with the child. Hence, the continuous height adjustment of pedal cranks and foot shells can be adapted from 26 cm | 10 in to 46 cm | 18 in. The MOTomed gracile12 can be used by children with a minimum body height of 90 cm | 35 in. They can continue to use it as teenager and adult.

Child-friendly pedal distance

The child-friendly pedal distance of 12 cm | 5 in prevents unnatural strain of the hip joint and therefore expands the MOTomed safety concept.

- from 90 cm | 35 in body height
- height adjustment of the pedal axle, stepless
- motivation games MOTomax und TRAMPOLINmax
- upgrade of leg trainer to leg and arm/upper body trainer
- MOTomed accessories for individual requirements

MOTomed® gracile12



technical specifications standard equipment	MOTomed gracile12 [I]	MOTomed gracile12 [Ia]
weight	25 kg 55 lbs	33 kg 73 lbs
measurements (L×W×H)	68–85×55×76–106 cm 27–34×22×30–42 in	60–88×55×99–114 cm 27–34×22×39–45 in
maximum user weight	90 kg 199 lbs	90 kg 199 lbs
display size	5.7" 14.5 cm	5.7" 14.5 cm
mains voltage 100–240 V~ / max. 120 VA; mains frequency 47–63 Hz; classification IIa according to MDD 93/42/EEC/MDR (EU) 2017/745; safety class II/type BF		

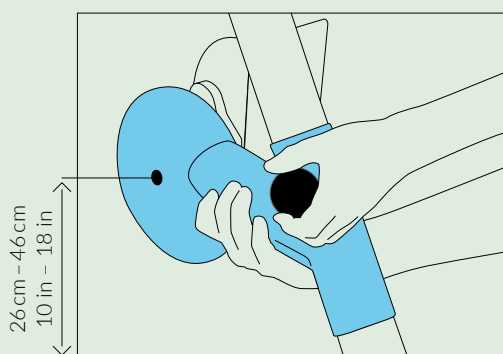


MOTomed gracile12
leg and arm/upper body trainer

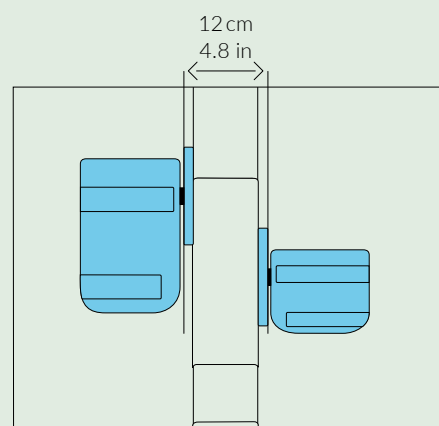


MOTomed gracile12
leg trainer

Uniquely child-friendly



The pedal axle with the foot shells is steplessly height adjustable from 26 cm | 10 in to 46 cm | 18 in.



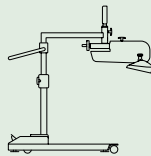
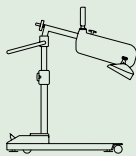
The child-friendly pedal distance of 12 cm | 5 in prevents unnatural strain of the hip joint.

MOTomed® layson kidz

MOTomed layson kidz.l
movement therapy with legs
for children



The MOTomed layson kidz is especially for children. Even for children and adolescents short length of stays in the hospital can already lead to impairments of physical and cognitive functions. The MOTomed Movement Therapy substitutes for the lack of movement in bedridden patients.



technical specifications standard equipment

	MOTomed layson kidz.l	MOTomed layson kidz.la
weight	80 kg 177 lbs	98 kg 217 lbs ¹ / 92 kg 203 lbs ²
measurements expandable ¹ chassis (L × W × H)	110–125 × 62–100 × 113–157 cm 44–50 × 25–40 × 45–62 in	142–155 × 67–105 × 131–166 cm 56–62 × 27–42 × 52–66 in
measurements parallel ² chassis (L × W × H)	110–125 × 62–92 × 113–157 cm 44–50 × 25–37 × 45–62 in	142–155 × 67–97 × 131–166 cm 56–62 × 27–39 × 52–66 in
expandable chassis (spread width of guide tracks)	min. 34 max. 88 cm min. 14 max. 35 in	min. 55 max. 93 cm min. 22 max. 37 in
parallel chassis (distance between guide tracks)	min. 50 max. 80 cm min. 20 max. 32 in	min. 55 max. 85 cm min. 22 max. 34 in
height adjustment (maximum bed height)	103 cm 41 in	105 cm 42 in
chassis height (ground clearance bed)	10 cm 4 in	10 cm 4 in
maximum user weight	135 kg 297 lbs	135 kg 297 lbs
display size	7" 18 cm	7" 18 cm

mains voltage 100–240 V~ / max. 120 VA; **mains frequency** 47–63 Hz; **classification** according to 93/42/EEC (MDD), (EU) 2017/745 (MDR): IIa



Early mobilization for children

»One of the most important functions of the MOTomed [...] is the SpasmControl which automatically detects an increased muscle tone during the course of training, recognizes spasm and treats them accordingly to prevent muscles and joints from being damaged.«

Literature // Shen M, Li ZP, Cuy Y, et al. Effects of Motomed Gracile Leg Training on the Lower Limbs Function in Children with Spastic Cerebral Palsy. *Cin J Rehabil Theory Practice* 2009; 9: 828, -829

Matrix – Functions and Accessories

MOTomed muvi		•		•		•	•	•		•	•	•	•	•	
MOTomed loop.l	•		•			•	•				•	•	•		
MOTomed loop.la	•		•			•	•	•	•		•	•	•		
MOTomed loop.a	•		•			•		•			•	•	•		
MOTomed loop light.l			•			•	•				•				
MOTomed loop light.la	•		•			•	•	•	•		•				
MOTomed loop p.l	•		•			1–90 U/min	•				•	•	•		
MOTomed loop p.la	•		•			1–90 U/min	•	•	•		•	•	•		
MOTomed loop.la prof	•		•			•	•	•	•		•	•	•		
MOTomed layson.l			•			•	•				•	•	•		
MOTomed layson.la			•			•	•	•			•	•	•		
MOTomed layson.l dia			•			•	•				•	•	•		
MOTomed layson.la prof			•			•	•	•			•	•	•		
MOTomed loop kidz.l	•		•			•	•				•	•	•		
MOTomed loop kidz.la	•		•			•	•	•	•		•	•	•		
MOTomed loop kidz.a	•		•			•		•			•	•	•		
MOTomed gracile 12 [l]	•				•	•	•				•	•	•		
MOTomed gracile 12 [la]					•	•	•	•			•	•	•		
MOTomed layson kidz.l			•			•	•				•	•	•		
MOTomed layson kidz.la			•			•	•	•			•	•	•		
	upgradeable														
	simultaneous movement therapy (legs and arms at the same time)														
	color touch display, retractable and inclinable, size 15,4 cm x 8,7 cm 6,1 in x 3,4 in (display size: 7" 18 cm)														
	color touch display with tactile buttons, inclinable size 26,1 cm x 16,3 cm 10,3 in x 6,4 in (screen diagonal 12,1" 30,7 cm)														
	color screen with tactile buttons size 11,3 cm x 8,4 cm 4,4 in x 3,3 in (screen diagonal 5,7" 14,5 cm)														
	passive speed from 1 to 60 rpm														
	leg training (passive, assistive, active)														
	arm training (passive, assistive, active)														
	change from leg to arm training and back per touch through the software														
	flexible positioning of the operating buttons on the screen (at the bottom, on the left / right side of the screen)														
	display SymmetryTraining														
	therapy programs														
	games / motivation programs														
	videos														

		●		●	●		○	○	○		○	○	○
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			●				○	○	○	○	○		
			●	●	○		○	○	○	○	○	○	○
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	● ¹	●	●		●	●	○	○					
	● ¹	●	●	●	●	●	○	○			○	○	○
Adjustable flywheel mass *only possible during free training													
USB interface and serial interface													
leg trainer height adjustable, without tools													
arm trainer height adjustable, without tools													
plastic-coated safety foot shells													
Knee bending adjustment incl. adjustment wheel													
leg guides with calf shells													
self-operated foot holders/ »QuickFix« foot fastening system													
wheelchair stabilizer													
pedal radius quick adjustment													
hand fixation with wrist cuff													
forearm shells													
tetra handles													

● standard equipment

○ accessories

Functions included in all MOTOMed models:

- resistance levels from 0 to 20 (active)
- electronic foot insertion and removal aid
- safety stop
- MovementProtector
- SmoothDriveSystem
- SpasmControl
- SymmetryTraining
- muscle tone display
(average, measurement at the beginning and at the end of the training)
- training analysis
(passive and active proportions are displayed separately)
- regulation of motor power from 1 to 10

Service



Competent advice

The MOTomed consulting team will do everything in its power to adapt the device to your individual needs to ensure you have the best possible training.



Demonstration

The MOTomed consulting team will gladly organize a demonstration together with our partner in your country.



Studies

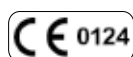
On a scientific level, the effectiveness of MOTomed movement therapy has been demonstrated in different clinical pictures. You are welcome to take a look at more than 30 studies and scientific research results.



Testimonials

What experiences and successes have patients and facilities had using MOTomed movement therapy? Give us a call. We will send you reports that are relevant to the corresponding indication free of charge.

Inform yourself – www.motomed.com



Our products are continuously updated according to the latest technological and scientific standards. Therefore the printed pictures may vary from the current models or accessories. Printing errors and mistakes are reserved. Color deviation may be of typographic nature.

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MOTomed has been audited according to DIN EN 60601-1-11 and therefore fulfills the special requirements of electrical medical devices for application in the domestic environment.

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