

Groundbreaking  
medical movement  
therapy.

MOTOmed® muvi



»We have more than 600 muscles in our body.  
Some movements are so complex that they  
activate eighty percent of them at a time.«

Bewegungswunder Mensch, ARD\*

## Movement is a miracle.

**RECK** Medical Devices. Movement is passion. Maintaining the miracle of movement in collaboration with doctors and therapists. Creating the conditions for movement. Inspiring the patients to experience the joy of movement. Giving impulses. Support. Alleviating the fear of activity, of pain. So patients learn enjoying the movement. A »Yes« to oneself. To life. Despite impairments and special needs. The miracle of movement illustrates the miracle of human beings, in all its facets.





»» Sometimes I take my time to develop visions,

#### Movement is simultaneous MOTomed® muvi

The MOTomed professionals. Understanding the miracle of movement. Changing the status quo of on-device movement therapy. And redefining it. Simultaneous leg and arm/upper body movement. Up to 80% of the skeletal muscles can be activated. At the same time. Unique. Or separately. Exclusively legs, exclusively arms. Moving the body, relieving and straining it. Passive, motor-assisted and active resistive. *Optimizes: the time management, therapy expenditure, efficiency. MOTomed muvi. Experience various benefits. Especially in neurological, orthopedic and cardiologic rehabilitation. And in geriatrics.*

## Movement is an expression of personality

The human being. Individualist. Posture and movement tell its story. Sometimes. Spastic paralysis. Impaired movements. Painful movements. The search begins. Finding oneself, finding body awareness. Finding new movement approaches. Therapists assist professionally. With the MOTomed muvi. Permanently focusing on: the individual training level. Everything for a successful therapy progress.

*Training modes* **Passive** – motorized movement. Gentle. Particularly with spasticity and cramps. Improving the blood circulation. For a better physical well-being.

**Motor-assisted** – supported movement. Train with minimal muscle strength. Switch from passive to active training without any strain.

**With muscle power** – muscle strengthening. Against finely adjustable resistance levels. Targeted muscle training for optimal strengthening and endurance.

**In intervals** – alternating between passive and active movement. Increasing duration of training. Increasing efficiency. For a lasting training success and for having fun.

# which offer new perspectives to those, who need

**Simultaneous movement therapy** – MOTomed whole-body training. Stimulates up to 80% of the skeletal muscle mass. At the same time. In one training session. Especially suitable for training beginners. Strengthen the body step by step. Intensify the training in a moderate and individual mode.

Effective. Motivating. Gentle. Simultaneous endurance training with the MOTomed muvi. Especially in the case of cardiovascular diseases. Hypertension. Type2 diabetes mellitus. Stroke. Heart attack.





**professional assistance in their daily routine.**

## Sometimes movement can change our world

The therapist. Understanding the miracle of movement. The necessity of movement. Commitment true for the journey of recovery. Assisting. Encouraging. Motivating. MOTomed muvi benefits support the therapist. Help the patients. Slightly changing the world for a better quality of life. Slightly at first, in small steps. Giving an impulse for bigger changes.

- ServoCycling* Discovering residual muscle strength. Targeted muscle training. Muscle strengthening. Being able to willingly use these muscles again. *MOTomed ServoCycling*. Inspired by automotive servo-steering. The MOTomed senses the smallest active impulses. And supports the user to keep moving.
- Smooth-DriveSystem* Increased muscle tone. Loosened and released smoothly: *MOTomed Smooth-DriveSystem*. Sensitive drive technology. The gentle controlled belt drive system guarantees an even and smooth pedal movement. And muscle pain relief.
- Movement-Control* Suddenly. Spasticity. Freezing. The MOTomed stops the pedal movement gently. The *MOTomed MovementProtector* senses slightest changes in muscle tone. A harmonic interaction: After a short relaxing phase the *MOTomed SpasmControl* smoothly starts. Following the therapeutic principle, an automatic change of direction of rotation loosens the cramp. A bending spasm is loosened by stretching, a stretching spasm is loosened by bending. Patients can rely on this safety feature. And will be enjoying the movement more and more.

- Therapy goals* Maintaining or recovering physical and mental capability for the challenges of everyday life. ... Reduce spasticity. ... Activate remaining muscle strength. ... A stronger sense of movement and balance will support the healing process. ... Encourage walking. ... Enhance the blood circulation. ... Stimulate the bone metabolism. ... Counteract fatigue. ... Increase self-esteem. ... Expand personal capabilities. ... Support social integration.

**Unobtrusively present**  
The info board displays important settings.

**Animation**  
Animated screen icons tell the duration of the training in real time.

**Easy to read**  
The most important information is displayed in large font.

**Easy to use**  
Tactile, slightly raised buttons.

**Good orientation**  
A reduced color code indicates the mode in which you are training.

**Simply clear**  
The training data is clearly structured.

**Flexible position**  
The control bar can be positioned at the bottom, on the left or on the right side of the screen.



# With the **Medical device** MOTomed muvi a vision is turned into reality.

*The MOTomed muvi  
digitally communicates*

## Biofeedback

The MOTomed muvi provides feedback. In real-time. During and after the training. Duration. Distance. Symmetry. Total energy. Tone. Average and maximum active performance. Active distance, passive distance. Optional display functions: the most important training values displayed in a complete overview or individually in large font.

## Color touch screen

Set training values by touching the screen. Start and navigate the training. Zoom pictures. Move

## MOTomed games and movies

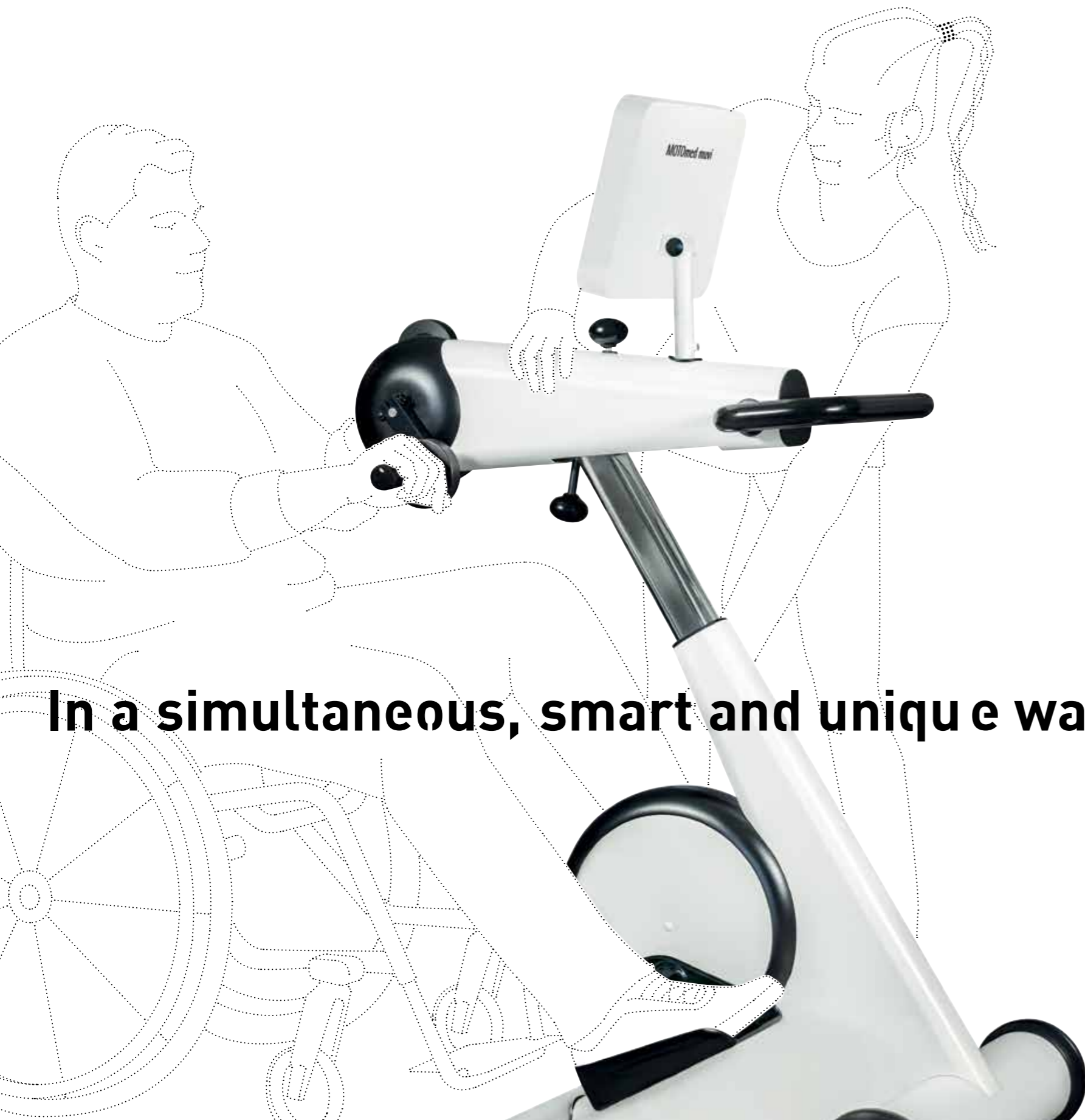
Popular and engaging: therapeutic games. Control the training via the interplay of affective and physical performance. So is the symmetry training with *billy balance*: strengthen weak muscles or extremities in case of muscular deficits and imbalances. Collect points. Discover your capabilities with the diametrical game *multitask*. Train symmetry together with coordination. Or train evenly with *lilly lane*. Be relaxed while watching a training video with background music during your training session. That is motivating!

**MOTomed therapy programs** Focus your training on symptoms, therapy plan and personal strength. And make use of therapy programs with predefined settings.

**Loosening program** --- passive movement. Especially with spasticity and cramps. For better body awareness and mobility. In case of stroke, multiple sclerosis, craniocerebral trauma, spinal cord injuries.

**Endurance training** --- A lower resistance level is applied continuously over a longer period of time. This leads to better basic fitness and health.

**Muscular strength training** --- The level of resistance is higher than during endurance training. Hence the duration of training can be shorter. For a better strength and better muscular endurance.



## Pleasant movement, adapts individually

### Vertical adjustment

Supported by gas spring. Stepless. Simple adjustment of the height. The MOTomed is compatible with the majority of body sizes.

### Horizontal adjustment

Regulating the distance between user and arm/upper body trainer. Soft and stepless. Via linear guidance. Plain bearing with damped stop.

### Radial adjustment

And if you like to train the whole body, the arm/upper body trainer pivots in a 180° rotation without the need for tools. Usability at its best. During leg training the user can support his upper body by holding on to the handle bar.

### Tilting/rotatable operating panel

For a comfortable and sharp view. The operating panel can be tilted continuously from -3° up to +12° and can be rotated about 270°. Very effective when therapists assist sideways.

### Quick release system

Fast Comfortable. Easy. Exchange different MOTomed handles without the need for tools. A safety bracket fixes the handle to the device. For a safe training.

In a simultaneous, smart and unique way, the **MOTomed muvi** supports

### Color touch screen

Display surface. Specifically designed for medical needs. With anti-glare effect. Only little dependence on perspective: therapist and patient have optimal sight from various angles. The touch screen is resistive. Light contacts or drops of liquid will not trigger any unintentional actions. Moreover: the screen allows wipe disinfection. Highest technology standards guarantee a carefree movement therapy.

### Insertion aid

Easy insertion of the feet into the safety foot shells. At the touch of a button the foot shells move into a comfortable insertion position. This enables the patient to act independently.



### Time is precious and movement is measurable

The MOTOmed muvi is capable of everything a modern therapy device must accomplish. But differently. The MOTOmed muvi is designed to accommodate the challenges of clinical routine. Measurements and analyses are made. Movement patterns and time too. Because there is no end to the variety of movement patterns, the time that is spent on each patient is limited. That is why time is so precious. For care, therapy and rehabilitation.

MOTOmed muvi. The simultaneous movement concept supports the therapists and nursing staff in their daily challenge of reasonable budgeting and organizing movement therapy. Helping them not to lose the focus. To keep the focus on the patient. Compared to training legs and arms one after the other, simultaneous training saves 50% of the time and improves the therapy efficiency as up to 80% of the skeletal muscles are trained at the same time.

With the MOTOmed muvi, movement therapy is always up to date at your facility. As this new healthcare product is exciting. For everyone. Also for you. Through quality, usability, design, therapy efficiency and profitability.

**therapists and physicians all over the world in their intention**

## Highly efficient movement becomes apparent in detail

### Human design

Stimulate movement. Or enabling it at all. This is where the company RECK uses their innovation power for. They take the human being as their standard, the highest level in medical technology. The MOTomed muvi is a certificated medical device which enables optimized handling and secure usage. Function, intuition and aesthetics interact in symbiosis. They communicate quality, identity and charisma without the need for words.

The MOTomed muvi is emotional. Appealing. Creates confidence and provides safety. Its design meets all current requirements concerning ergonomics. All screen symbols are easily and intuitively accessible on the wide touch screen. The operation is easy. The adjustment is comfortable. An all-metal construction of high-quality ensures longevity and stability.

# to preserve mobility and independence in their patients.

The clear design stands for the clear structure of the movement therapy device. Dark colors mark the contact parts between user and MOTomed: black handles, safety foot shells and drum casings. The surfaces are softly shaped. All used material is easy to disinfect. And meets the high hygiene standards of hospitals and facilities.

### Gentle start and stop

The motor always starts and stops slowly and controlled. No abrupt stops during movement therapy.

## RECK Medical devices

A family business in Betzenweiler, Germany. Established for over 50 years. Competence and reliability. Always in motion for the sake of movement. MOTomed movement therapy stands for the spirit of innovation and technological know-how.

Development, production and distribution, everything comes from a single source. On site or through trained staff near you. The quality of RECK is convincing. In Europe, Africa, America, Asia, Australia. Worldwide.

»Made in Germany«, you can take us up on that. Top product quality, high security standards and professional service.

The MOTomed professionals. Dynamic and constantly in exchange with physicians and therapists. In the best interest of MOTomed and an effective movement therapy in hospital, the doctor's practice or at home: [info@motomed.com](mailto:info@motomed.com)

# MOTomed also contributes to a relaxed **social environment.**

### Movement therapy with the MOTomed, is multidimensional.

The MOTomed muvi appeals multidimensional: physical, mental, cognitive, emotional, social. Regular MOTomed movement training balances body, mind and soul. It improves the individual capacity and creates a realistic training goal to keep up the motivation. It encourages personal self-esteem, social integration and leads to a positive attitude towards life. Because if you get good, you can give good.

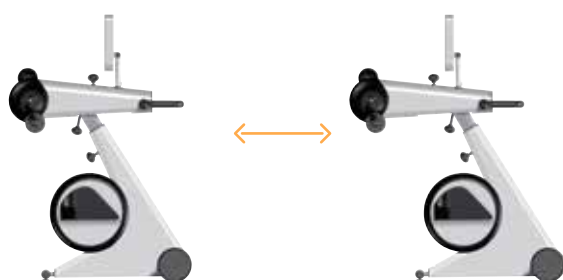
# MOTOmed® muvi

Training adjustments

vertical supported by gas spring



horizontal slide bearing conduct with damped stop



radial separated leg and arm / upper body training



base model MOTOmed muvi

## TECHNICAL DATA

*weight* › MOTOmed muvi with operating panel

50,3 kg

*measurements* › base model height x width x depth

1240 x 593 x 825 mm

*case measurements* › operating panel height x width x depth

320 x 245 x 43 mm

*screen diagonal* ›

12,1" / 30,48 cm

*screen solution* ›

1240 x 800 Pixel

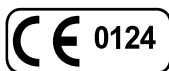
*mains voltage* ›

100–240 V~

*mains frequency* ›

47–63 Hz

QUALITY  
MANAGEMENT  
We are authorized



MADE  
IN  
GERMANY

## A powerful product family

MOTomed. Made by humans for humans. Movement therapy sitting in a wheelchair or on a chair.

The muvi: simultaneous, aesthetic. Or the viva2: established, manifold. Also compatible with accessory device for electrical stimulation (FES). Or especially for Parkinson's therapy. For children: the gracile. Adjustable to children's growth. Or in supine position with the letto2. Both in bed or on a dialysis couch. And adequate equipment helps with special needs. Of course the MOTomed wants to contribute to a successful therapy with a lot of people.

### Wheelchair and chair MOTomed viva2



Leg trainer



Arm/upper body trainer  
Accessory for the leg trainer

### Children MOTomed gracile12



Leg trainer only



Arm/upper body trainer  
Accessory for the leg trainer

### Bed or couch MOTomed letto2



Leg trainer



Arm/upper body trainer



Работайте с лучшими,  
всё остальное компромисс!

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**8 (800) 775-10-98**

**medliga.ru**