Experts in restorative sleep for patients in any setting - healthcare facilities or at home

Thevo – Therapeutic Beds
In the years that followed, Thomashilfen played a major part in the set-up and establishment of the German rehabilitation market and the formation of the world’s largest rehabilitation trade fair, REHACare in Düsseldorf.

At the end of the 1990s, however, Thomashilfen decided to pursue a new direction. Taking into account the latest scientific findings, changing market conditions and new technologies, the company embraced the opportunity to develop its own innovative products and to market them worldwide.

The main focus was on product benefits for the user, rather than their function itself. The time had come to look at the patient as a person and to promote, support, and ultimately set in motion the process of rehabilitation and healing.

This philosophy is what clearly distinguishes Thomashilfen from most competitors. And so the company succeeded in developing the unique Theo product family, which is based on the principle of MiS Micro-Stimulation® therapy. Based on the group of companies’ unique expertise in the area of sleep, the team of developers at THOMAS managed to develop the innovative Theo products.

The products automatically convert minor movements, even a patient’s breathing motions, into micro size counter movements. This, in turn, stimulates the patient, improves perception of body image, promotes mobility and, ultimately, the healing process.

Thomashilfen attaches particular importance to sleep quality in the development of their Theo mattresses. Even though very few competitors are seriously committed in this area, healthy sleep is not just a basic human need. Healthy sleep also forms the foundation for successful rehabilitation and healing.

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For more than 40 years, Thomashilfen has been developing and marketing high-quality and effective products that help people improve their quality of life. So, over the years, Thomashilfen a third generation family business led by owner Gunnar Thomas, has become one of the leading brands in the international rehabilitation market.

A worldwide network of licensed distribution partners in more than 30 countries ensures that Thomashilfen products are supplied quickly, directly, competently, and locally.

In addition, the interdisciplinary team of experts at the THOMAS holding of companies, an alliances of 8 companies, ensures regular knowledge transfer. This provides Thomashilfen with the knowledge, technologies, energy, and vision to make the seemingly impossible possible.

Making the impossible possible
All over the world we stand for highest quality!

94.17% less back pain and 96.52% improved quality of sleep. The result of Europe's largest sleep test with more than 75,000 participants. This shows that you can have confidence in the excellent and effective Thevo Therapeutic Beds from Thomashilfen. Organized and conducted by the sleep specialists of the THOMAS holding of companies, experts from all fields collaborated on the newest developments to help people get a healthy, restorative sleep.

60 years of experience ensure our position as an internationally renowned specialist in sleep. Studies confirm the positive effect of therapeutic beds. Research the in-house “sleep archive” and nursing scientists monitor and record sleep experiences providing the basis of the research. Technologies modern fiber composite materials are investigated and implemented in therapeutic beds. Professional care believes in therapeutic beds. These recognized care communities are certified on www.thevo-liste.de in Germany. All over the world people rely on our innovation to improve their quality of life.

1. [Therapeutic beds] Therapeutic beds, stimulate the body to improve recovery, well-being, and quality of sleep due to their unique, patented constructions.
Thevo Therapeutic Beds keep your brain fit!

The Thevo Therapeutic Beds automatically convey the slightest movement of the person - even breathing - into micro-sized counter movements. This MiS Micro-Stimulation® provides the patient with improved body perception, promotes blood flow, and supports mobility – keys to restorative sleep. This is especially important for patients with advance age, and those with special needs.

**World patent**

- 2938215, 3105827, 2010/001264
- 6718575, 202005011767.6
- 1898750, 11/915192
- 0926970, 103046
- 0733325, 1021881
- 3792729, 6256815

**The mattress cannot do it alone:**

The difference is the suspension framework of the Thevo Therapeutic Bed. The unique technology of the integrated MiS Micro-Stimulation® is the key to better sleep!
Breaking the vicious cycle:
Finally sleeping through the night – despite dementia

67% of patients with dementia suffer from sleep disturbances affecting both patient and caregivers. Sleep aid medications often become ineffective, and are not a long-term solution.

"As her dementia progressed, my wife simply couldn't rest anymore at night. I was very concerned. I too was getting far too little sleep and reached the end of my rope. Thanks to the dementia care mattress, ThevoVital, we are back to enjoying our days again."

Improved sleep with the Dementia Mattress
✓ Less night time wandering
✓ Less napping during the day
✓ Less disorientation
✓ Decreased need for sleep aid medications
✓ Peace of mind for caregivers

Wing suspensions adapt individually to the body zones, MiS Micro-Stimulation® improves body perception

The Thevo-Effect

Documented experience reports:
Two out of three patients with dementia showed a great improvement in their sleep patterns- www.thomashilfen.us

ThevoVital – The Therapeutic Bed

Dementia Care

Improved sleep with the Dementia Mattress
✓ Less night time wandering
✓ Less napping during the day
✓ Less disorientation
✓ Decreased need for sleep aid medications
✓ Peace of mind for caregivers

Wing suspensions adapt individually to the body zones, MiS Micro-Stimulation® improves body perception

The report shows results compiled by the IGAP Institute:
Approximately two out of three persons with dementia showed an improved sleep behavior

ThevoVital

The Mattress
firm density foam provides a secure feeling when lying

Dementia suspension is optimally tailored to the sleep and lying needs of persons with dementia
Quality of life – despite Parkinson’s:

Spending the day in a relaxed and structured way

The diagnosis often is unexpected, and has an immediate effect on a person’s daily life. Besides the muscle tension typical of the illness, extreme fatigue decreases a person’s quality of life. Many activities of everyday life become difficult.

„Because of my poor sleep at night I was tired the whole day. I could hardly make it through the day. It was awesome for me to discover how relaxing a long, healthy sleep is!

And this without needing any additional medication and the associated harmful side effects.”

Improved sleep with the Parkinson’s Mattress

- MiS Micro-Stimulation® relaxes muscles
- Tiny movements maintain mobility
- Decrease night sweats
- Easier to sit up and change positions

ThevoCalm – The Therapeutic Bed

Wing suspensions provide tiny impulses to maintain and support mobility of people with Parkinson’s

ThevoCalm for stable sensation of lying

Mattress

Parkinson’s suspension

document very firm sensation of lying ➔ more stability is optimally tailored to the sleep and lying demands of people with Parkinson’s

Documented experience reports: www.thomashilfen.us

www.thomashilfen.us
Pain Therapy

Lasting pain relief during the night

A horror story that is repeated every night: After just a few hours, pain becomes rife. Falling back to sleep is out of the question. Awakened in the middle of the night, the person enters a cycle of pain and sleeplessness.

Improved sleep for well-being with the Pain Mattress

- MiS Micro-Stimulation® gently stimulates the nerve tracts
- Optimum back support
- Relieves body aches and painful lying
- Improved microclimate

“The anti-pain mattress, ThevoRelief, supports and soothes my aching body parts and improves my well-being. I sleep longer and better. Finally I am able to bear the pain.”

Fields of application:

- No matter what causes the pain
  - arthrosis
  - osteoporosis
  - cancer
  - injury

ThevoRelief provides pain-relieving positioning and gentle stimulation of the nerve tracts, the basis for restorative sleep.

Wing suspensions adapt to body contours, relieving pressure

Pain suspension very soft sensation of lying → pain relief

is optimally tailored to the sleep and lying demands of people suffering from pain

For maximum patient comfort

ThevoRelief – The Therapeutic Bed

Pain Care
Pressure Ulcer Mattress

Many individuals in need of care suffer from pressure ulcers. Conventional positioning systems are either too hard or too soft for the patients, causing skin irritation to develop into pressure ulcers.

“Actually it is very simple. Besides careful positioning of the patient, the Pressure Ulcer Mattress with MiS Micro-Stimulation® is a good way to prevent pressure ulcers.“

Professional care with the Pressure Ulcer Mattress

- MiS Micro-Stimulation® maintains natural movement
- Pressure ulcer prevention and treatment (up to and including stage III acc. EPUAP/NPUAP)
- Pressure-relieving stimulation without electricity
- Reduced care efforts
- No maintenance

Stage 1 Stage 2 Stage 3

Pressure Care

Mattress
Special air channels in the mattress layers provide for maximum comfort and optimum ventilation of the skin.

Wing suspensions
Supports the tiniest movements

Flexible side element
fits every hospital or twin bed frame

Pressure ulcer suspension
soft sensation of lying, optimum pressure relief

Optimum pressure relief is specifically tailored for each individual for maximum pressure relief

Proven by studies: www.thomashilfen.us
Wheelchair User Mattress

Wheelchair users need a mattress that relieves pressure but still provides a firm base to facilitate transfers. The Wheelchair User Mattress combines both characteristics.

“Lying in bed for more than a short period of time was painful for me. Now, the Wheelchair User mattress supports my movements with MiS Micro-Stimulation®. I sleep better again and actively start my day.”

Improved sleep with the Wheelchair User Mattress

✓ Relieves pressure
✓ Reduces muscle spasms
✓ Adapts to the spinal column
✓ Controls pain
✓ Eases transfers

Wheelchair user suspension
firm sensation of lying → relieves spinal column
relieves the spinal column and is specifically designed for maximum comfort for wheelchair users.

Edge layer
facilitates transfers and provides the person with adequate hold and stability

Mattress
functional ergonomics for relaxed and comfortable sensation of lying

Suspension element
extra soft - pressure relief of the lower part of the body

Transfer aid

Back-saver

Stimulating

Suspension element
Bed time - often a nightmare

Many children with special needs have sleep disorders or disturbances, affecting parents and other family members. These disorders include: issues with falling asleep and staying asleep, restlessness during sleep, as well as disorientation upon awakening. Sleep disorders affect a child's natural growth and development.

“I was at the end of my rope and burned out emotionally. Nothing really helped. I am so glad that thanks to her SleepingStar my daughter is more refreshed and relaxed.”

Improved sleep with the Sensory Support Mattress

✓ MiS Micro-Stimulation® supports mobility
✓ Improves body perception
✓ Reduces spasms and pain
✓ Calms the child for restorative sleep

Proven by studies: www.thomashilfen.us
It is your choice!

Thevo Therapeutic Beds are available with jersey or incontinence covers.

All mattresses sold to the U.S. and Canada fulfill the following standards regarding flammability:
16 CFR 1632, 16 CFR 1633, Cal. TB 129/ASTM E 1590, BFD IX-11

Sizes: Thevo Therapeutic Beds for adults

• ThevoVital • ThevoCalm • ThevoRelief • ThevoFlex • ThevoautoActiv

Features:
Incontinence cover
- breathable
- clean easily by wiping with disinfectant
- blue color only for ThevoSleepingStar

Shared features:
- sewn zipper
- washable at 65°C / 149°F
- tumble dry
- autoclavable
- suitable for re-use

Features: Jersey cover
- breathable microclimate
- only for Thevo Therapeutic Beds for adults

Sizes: Thevo Therapeutic Bed for children

• ThevoSleepingStar

Available from a width of 60 to 137 cm / 23.6 to 54” and a length of 120 to 220 cm / 47.2 to 86.6”.

Questions? Contact us, we are happy to help!
Toll free: 866.870.2122
E-Mail: info@thomashilfen.com
www.thomashilfen.us
<table>
<thead>
<tr>
<th>Product name and maximum weight of the person</th>
<th>Underframe</th>
<th>Characteristics of underframe suspension</th>
<th>Characteristics of side elements</th>
<th>Mattress type + characteristics</th>
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<td></td>
<td>with</td>
<td>w/o</td>
<td>medium</td>
<td>soft</td>
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<tr>
<td>Thevo Vital 80 kg / 176.4 lbs</td>
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<td>Thevo Vital 140 kg / 308.6 lbs</td>
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<td>Thevo Calm 80 kg / 176.4 lbs</td>
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* Suspension blocks are used in the area of the upper body only to optimize mobility.

Different arrangements of the spring limiters provide optimum lying comfort to meet the specific requirements of clinical pictures related to the products.