



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

Thevo – Therapeutic Beds

Thomashilfen Company History

A healthy goal



Karl Thomas (far left) among his employees

For more than four decades, Thomashilfen has been working towards making people feel better. Our goals are health, well being, and positive development, as well as helping people who suffer from disease or disability. We continuously strive to deliver excellence in care and rehabilitation. Thomashilfen employees are specialists when it comes to support, positioning, and above all, movement and mobility.

It all began with master carpenter Karl Thomas, who set up his own carpentry business in 1935 in Bremervörde in Lower Saxony, Northern Germany (which is also the location of today's THOMAS holding head office). His thriving business, adjoined to the Thomas family home, was disrupted as a result of the political developments at the time and the subsequent wartime events. Between 1940 and 1945, the company came to a complete standstill.

In 1945, Karl Thomas returned from war captivity, resumed his carpentry business and in 1948 he bought a large plot of land in Walkmühlenstraße. Even before the currency reform, he began the first construction stage (400 m²) of a facility designed for the mass production of furniture.

The bed idea ...

In 1955, Karl Thomas and his son Wilfried Thomas, who at the time was a member of the management board of the family business, met a Swiss company that owned a patent for what was to be the basis for the development of a new type of bed. In 1956, envisioning a bed with optimal spring and spinal support, tailored to user's needs and promoting restful sleep, the company introduced their Lattoflex product at the furniture trade fair in Cologne. This was the beginning of the first spring support in the world, that was to change sleep patterns in the West, popularly known as the 'slatted frame'.

Wilfried Thomas and his team further developed and optimized the concept. With its continuously growing international network of specialists, therapists, doctors, scientists and developers, as well as new technologies and materials, today's THOMAS holding of companies is the sleep expert in the international bed market!



Wilfried Thomas

New directions ...

When the life of Karl Thomas and his wife, who was disabled by illness, underwent significant changes in the 1960s, his personal destiny gave rise to a new company goal. This marked the beginning of Thomashilfen. The furniture manufacturer recognized that the technology of the time provided relief only to a limited extent and more desirable aids were not available on the German market. Through his personal relationships with the Scandinavian countries, Karl Thomas knew that these nations took a leading position in dealing with disability, with regards to both legislation and the manufacture of aids.

Thus, Karl Thomas managed to gain valuable information that allowed him to provide other people with helpful aids and knowledge. And so, partly at the insistence of friends and representatives in public life, gradually a consultation center for disabled people was set up in Bremervörde. Through his many contacts in Scandinavia, Karl Thomas was soon able to found his own company (wholesaler with exclusive distribution rights) that helped improve the lives of disabled people.

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.

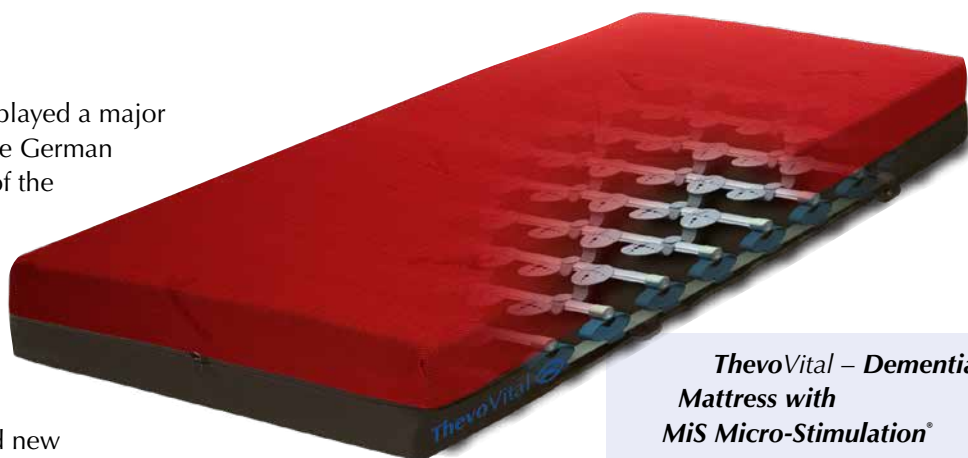
Taking into account the latest scientific findings, changing market conditions and new technologies, the company embraced the opportunity to develop its own innovative products and to market them worldwide.

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 Thevo 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 Thevo 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 Thevo 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.



***ThevoVital – Dementia
Mattress with
MiS Micro-Stimulation®***

Making the impossible possible

For more than 60 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.



Gunnar Thomas



Sleep specialist in rehab & care



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

1. [Therapeutic beds]

Therapeutic beds, stimulate the body to improve recovery, well-being, and quality of sleep due to their unique, patented constructions.



Technologies

modern fiber composite materials are investigated and implemented in therapeutic beds



Professional care

.. count on the application of therapy mattresses. At many facilities the use of therapy mattresses is counted as being the daily standard. This is confirmed by the www.Thevo-Liste.de



All over the world

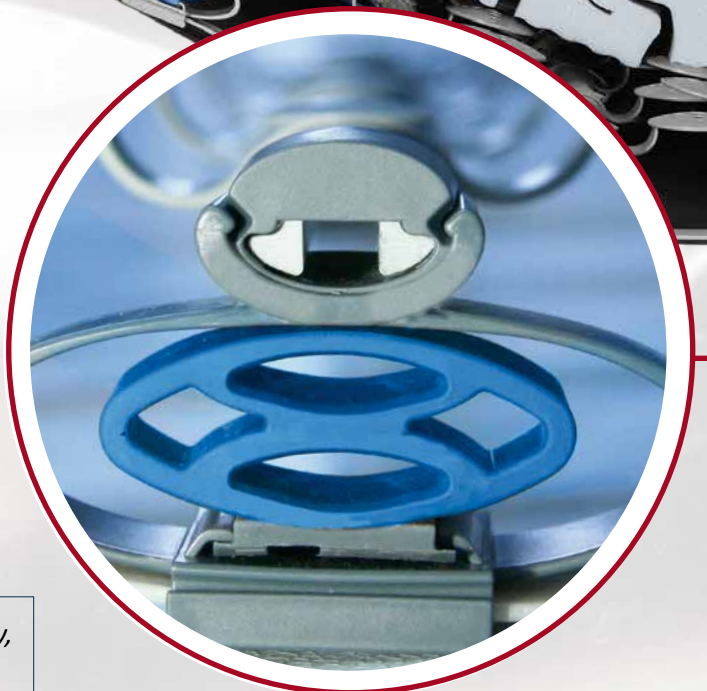
people rely on our innovation to improve their quality of life

All over the world we stand for highest quality!



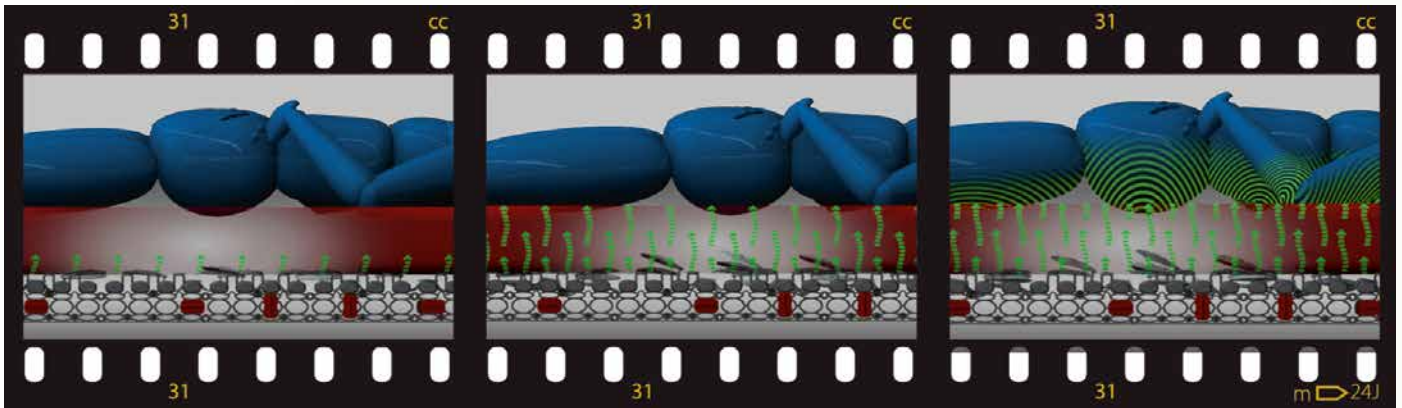
Thevo Therapeutic Beds keep your brain fit!

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.



1. [Therapeutic beds]

Therapeutic beds, stimulate the body to improve recovery, well-being, and quality of sleep due to their unique, patented constructions.



*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!*

ThevoVital – MiS® The Therapeutic Bed

Dementia Care

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.

„My Mother is much more relaxed and finally sleeps better. For that reason I have shared the cost for the dementia mattress with my father. After all it is about the health of my mother – and the whole family.“

Documented experience reports:

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





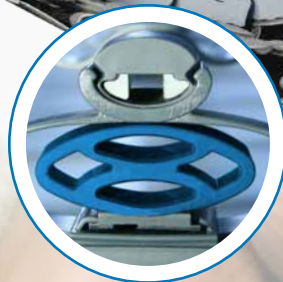
Mattress

firm density foam provides a secure feeling when lying



Wing suspensions

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



Dementia suspension

firm sensation of lying → good orientation

is optimally tailored to the sleep and lying needs of persons with dementia

Distinguished by:



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

ThevoCalm – MiS® The Therapeutic Bed

Parkinson's Care

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.



„At last I sleep deeply and wake up without pain. I only noticed how invaluable the difference is after I slept for one night on my old mattress after the test – what unbelievable pain!“

Shay Healy, Irish songwriter, Ireland (photo left)



Distinguished by:



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

ThevoRelief – MiS® The Therapeutic Bed

Pain Care

Unbearable pain repeated every night: After just a few hours the pain became intolerable. 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.

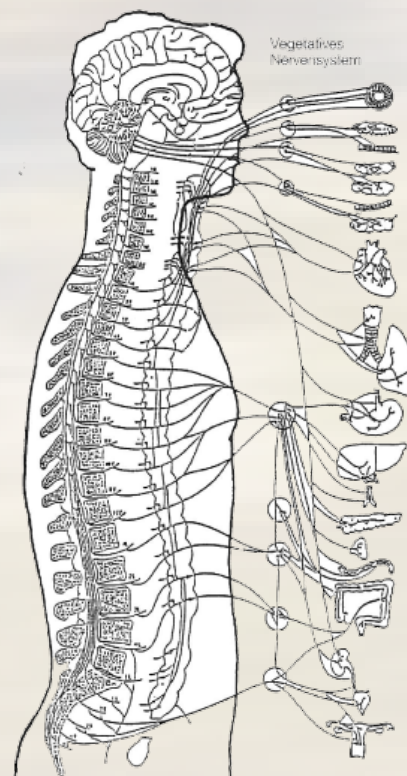


Fields of application:

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.



autonomic nervous system

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

Michaela Strotmann, Berlin

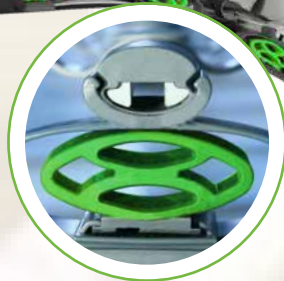
Wing suspensions

adapts to body contours,
relieving pressure



Mattress

For maximum patient
comfort



Pain suspension

very soft sensation of lying → pain relief
is optimally tailored to the sleep
and lying demands of people
suffering from pain

Distinguished by:



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

ThevoautoActiv– MiS® The Therapeutic Bed

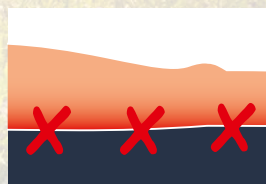
Pressure Ulcer Mattress

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.

„The core topics of the palliative care are the pain therapy, the correct lying and bedding as well as the nursing care.

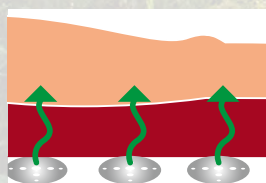
All these requirements are fulfilled by the pressure ulcer mattress.“

Jeanette Ehlers is a nurse, Palliative Care specialist and coordinator of the Gifhorn Palliative and Hospice Network e.V. info@palliativnetz-gifhorn.de



Alternating pressure air mattresses

Unlike soft foam mattresses, Thevo does not “swallow” the body movements.



System with micro-stimulation

The patient lies much softer than on alternating pressure air mattresses and still moves.

Mattress

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



Wing suspensions

Supports the tiniest movements



Pressure ulcer suspension

soft sensation of lying → optimum pressure relief

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



Distinguished by:

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

ThevoCare – MiS® The Therapeutic Bed Professional Care-Mattress

A simple foam mattress does not meet professional standards for optimal care.

ThevoCare stands out with its unique Micro-Stimulation underframe and superior grade foam.

Nursing professionals appreciate the risk- minimizing features of ThevoCare, even pressure ulcer prevention. And its durability is guaranteed.

“In our facilities we rely on high quality products because our residents shouldn’t have to forgo the high quality of life even in this stage of their lives. They have earned this over the years! We afford our residents this comfort.”

*Petra Hecht, Seniors’
Home Hecht Group*





Cover

breathable, clean easily by wiping with disinfectant

Mattress

the slight wave structure provides superior comfort and a good microclimate



Wing suspensions

Embedded in the mattress to provide maximum comfort using MiS Micro-Stimulation

Distinguished by:



Improved sleep with the Professional Care Mattress

- ✓ MiS Micro-Stimulation maintains mobility
- ✓ Minimizes nursing requirements
- ✓ Contoured to support body movements
- ✓ Prevents pressure ulcers

ThevoFlex – MiS® The Therapeutic Bed

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.

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

Wheelchair user suspension

firm sensation of lying → relieves spinal column

relieves the spinal column and is specifically designed for maximum comfort for wheelchair users.



“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.”

Andrea Schütt, Korntal-Münchingen

Improved sleep with the Wheelchair User Mattress

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

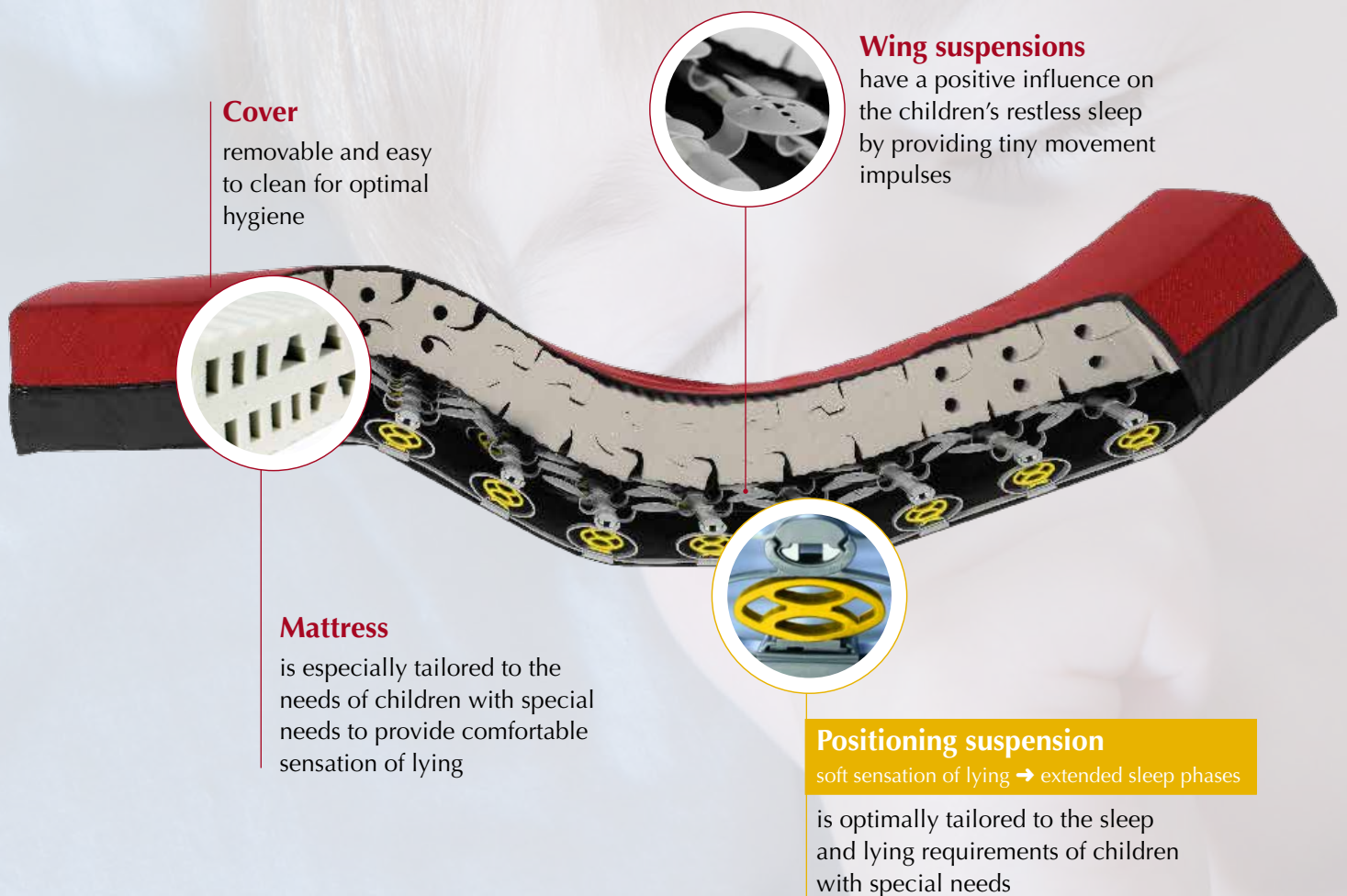


Distinguished by:



ThevoSleepingStar Senso – The Therapeutic Bed for children For Sensory Support

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.



Distinguished by:



„Every night I had repositioned Timo, now he can independently turn around during sleep without my help.

Timo has significantly improved at night and during the day with the sleeping star!“

Anja Harms, Aurich



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

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** • **ThevoautoActiv800**

Available from a width of 80 to 160 cm* / 31.5 to 63" and a length of 180 to 220 cm / 70.9 to 86.6".

Available from a width of 80 to 100 cm* / 31.5 to 33.4" and a length of 180 to 220 cm / 70.9 to 86.6".

Questions? Contact us, we are happy to help!

E-Mail: info@thomashilfen.de

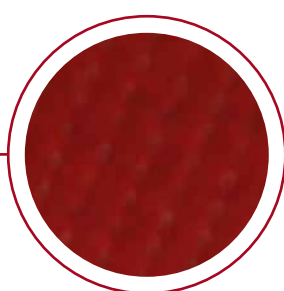
www.thevo.info





Features:
Incontinence cover

- breathable
- clean easily by wiping with disinfectant



Features: Jersey cover

- breathable microclimate
- only for Thevo Therapeutic Beds for adults

Shared features:

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

Sizes: Thevo Therapeutic Bed for children

- **ThevoSleepingStarSenso**

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!

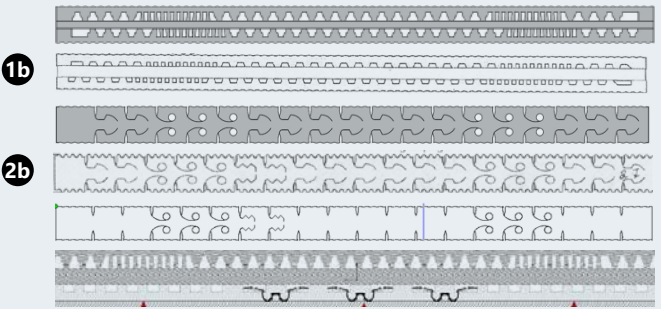
E-Mail: info@thomashilfen.de

www.thevo.info

Product name and maximum weight of the person			Characteristics of underframe suspension						
			Suspension element		Firm -> Suspension block to -> Soft				
	with	w/o	soft	medium	Vital	Calm	Flex	Relief	auto 8
ThevoVital 80 kg / 176,4 lbs	X			X	X				
ThevoVital 140 kg / 308,6 lbs	X			X	X				
ThevoCalm 80 kg / 176,4 lbs	X			X		X			
ThevoCalm 140 kg / 308,6 lbs	X			X		X			
ThevoRelief 50 kg / 110,2 lbs	X		X					X	
ThevoRelief 100 kg / 220,5 lbs	X		X					X	
ThevoRelief 135 kg / 297,6 lbs	X		X					X	
ThevoCare 50 kg / 110,2 lbs		X							
ThevoCare 135 kg / 297,6 lbs		X							
ThevoautoActiv800 50 kg / 110,2 lbs	X		X						
ThevoautoActiv800 100 kg / 220,5 lbs	X			X					
ThevoautoActiv800 135 kg / 297,6 lbs	X			X					
ThevoFlex 80 kg / 176,4 lbs	X		X				X*		
ThevoFlex 140 kg / 308,6 lbs	X		X				X*		
ThevoSleepingStarSensio 60 kg / 123,3 lbs	X		X						

* 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

The Thevo Product Matrix

Characteristics of side elements				Mattress type + characteristics								
												
Activ 00	Sleeping StarSenso	spring limiter	adapter profile	1	1b	2	2b	3	5	integrated spring	firm edge layer	Foam typ
			X					X			X	B
			X					X			X	C
		X	X					X				B
		X	X					X				C
			X	X								A
			X		X							A
			X			X						B
									X	X		A
									X	X		C
X		X	X	X								A
X		X	X		X							A
X		X	X			X						A
			X		X						X	A
			X					X			X	B
	X	X	X	X								A

AGR seal of quality

What does the seal signify?

Apart from lacking exercise, defective posture, one-sided burdening and obesity, significant causes for muscle and joint diseases also comprise non-ergonomic and therefore back straining every-day products. But how must commonly-used objects be designed to provide relief for the back and support for the spinal column? What must the consumer be aware of when buying and through which features do quality differences become clearly apparent?

To obtain an answer to this question many people use so-called quality or test seals for orientation. However, these often do not keep what they promise. As early as in 2005 the Journal Ökotest (Eco-test) came to this result after investigating more than 250 well-known seals. The startling results: Many of these „seals“ were graded as being deficient or even inadequate as an independent testing procedure had not been performed.

However, the AGR seal of quality received the best grade „very good“ and therefore offers reliable decision-making support for consumers.

„The AGR seal of quality is a reputed and unique quality characteristic with every-day ergonomic and orthopedic aids,“ explains Detlef Detjen, management board of the Aktion Gesunder Rücken e.V. (Initiative healthy back).

„Exclusively products are distinguished that fulfil the rigorous testing criteria of an independent medical/therapeutic expert committee.“



In 2000 the national association „Die Verbraucher Initiative e. V. (The consumer initiative)“ started with the portal www.label-online.de and since then it has been continuously extended, restructured and developed with own funds and funds from the Federal Ministry for the Environment and currently the Federal Ministry for Food and Agriculture (BMEL).

A short time ago here also the AGR was very critically reviewed and has now been conclusively assessed. The result: „Especially recommended“ in all assessment points and in the overall result. In the enclosed PDF you will find further information on the assessment of the AGR seal of quality.

All our sleep systems have been awarded the AGR seal of quality!



Would you like to receive an individual offer?

Then just call us under the number:

 **+49 (0) 47 61 8 86-63 or -68**

or info@thomashilfen.de



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