



Kristina Vogel

Simply more of life.

Kristina Vogel presents:

The world's first detachable
wheelchair wheel.
For obstacle-free transfers to
and from an external seat.

Kristina Vogel,
two-time Olympic winner and
eleven-time World Champion in
track cycling, paralysed after a
training accident in 2018.



trivida®
Barrier-free living.

Greater independence and dignity for wheelchair users

Obstacle-free transfers for greater independence and mobility in day-to-day life



trivida®
A life of greater independence has arrived.

"The trivida® wheel has given me back some independence. I can now move around more independently at home and can even go to the toilet without help."

Kevin E., disabled as a result of spastic paralysis.

The transfer from and into the wheelchair – an enormous feat

In the everyday life of a wheelchair user, there are countless situations where a change in position is required. For wheelchair users, their family and/or carers, these transfers from and into the wheelchair are a time-consuming and exhaustive task. Depending on individual mobility many wheelchair users rely on help. Even for those who can manage transfers themselves, this may become more difficult with increasing age due to loss of strength or age-related mobility restrictions. The easier solution for all involved would be a lateral transfer. However, traditional wheelchairs which protrude over the seat pose a major obstacle.

The revolutionary solution – the first detachable wheelchair wheel from trivida®

trivida® is the world's first wheel that makes possible uncomplicated, obstacle-free lateral transfers. Thanks to the revolutionary triatec technology, the upper segment of the wheel can be easily removed so that a lateral transfer from the wheelchair to the external seat and vice versa is possible without any obstacles. People with restrictions of the upper locomotor system may still need assistance, but do not necessarily have to be lifted. A pioneering solution for more inclusion and barrier-free living.

Making life easier for wheelchair users and carers.

This revolutionary wheel design, allows to optimise inclusion and accessibility.



„Previously I had to lift my wife from the wheelchair for every transfer. With the trivida® wheel she hardly needs any assistance when changing seats today. This is a great relief for me and my back.“

Gregor L., married to Erika L, who was left paralysed down one side following a stroke.

Greater mobility in day-to-day life

The trivida® wheel facilitates mobility for wheelchair users in everyday life. Daily transfers between wheelchair and bed, toilet or shower stool, couch, chair, stair lift or car seat require less energy and are therefore easier.

Greater independence Better quality of life

With newly acquired mobility, wheelchair users can handle everyday life more independently and enjoy a better quality of life.

More fun in the community

With increasing inclusion in the public sphere mobile transfers become more and more important. Whether visiting a beer garden, restaurant, cinema or theatre, the trivida® wheel allows for a less physically stressful and more dignified seat to seat transfer. As such, this innovative, new product is contributing joy and goodwill throughout the community.

Less strain for family and friends

Family and friends of wheelchair users may be required to assist with transfers to and from the chair. Depending on the level of mobility of the wheelchair user, this can become a permanent strain on the back, particularly for carers over the long term. With the wheel from trivida®, wheelchair users are less reliant on assistance. In fact, depending on their level of mobility, they may even manage the transfer entirely by themselves. A great relief for loved ones and for the person in the wheelchair too, the trivida® wheel can help create a sense of fun and relaxation more often.

**Less strain
for nursing staff**

**More savings
for hospitals**

The first detachable wheel for
obstacle-free transfer between
wheelchair and external seat



trivida®
Less stress.
Less lifting.

"Many of our disabled patients can now go to the toilet and return to their bed by themselves thanks to the trivida® wheel. Some patients still need some assistance, but I do not have to lift as many patients. A great relief for my back."

Anette N., Nurse

**The physical strain placed on nursing staff
can be reduced or omitted.**

In hospitals, rehabilitation facilities, nursing homes and mobile care services the normal transfer of disabled, bedridden or care-dependent patients is always a challenge. The usual position change out of the wheelchair from the front requires a high degree of physical effort and in the long term signifies a risk to the health of the skeleton and muscles. An uncomplicated lateral transfer would be much easier. However, traditional wheelchairs which protrude over the seat pose a major obstacle.

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For carers, there's less strain. Less stress.

In addition to kindness, patience, attention and good communication with each patient, the transfer in and out of a wheelchair requires a great deal of muscle power. Even if the nurse or care assistant works kinaesthetically, the strain is high – particularly on their back. An uncomplicated lateral transfer would be much easier. However, traditional wheelchairs which protrude over the seat pose a major obstacle. With the wheelchair wheel from trivida®, patients are now much less reliant on help from staff. In fact, depending on the level of mobility, they can even manage the transfer by themselves. This is not just a huge relief for the nursing staff, very importantly, it can also improve the patient's personal dignity and sense of independence.

Greater job satisfaction

Thanks to the trivida® wheel, many work activities of nursing staff can be significantly reduced or even omitted. This includes transfer onto the toilet, onto the shower stool, or the position change from and into the bed. The physical relief the trivida® wheel provides will create greater job satisfaction and a higher level of staff retention. This is a huge benefit considering the shortage of quality staff in the nursing sector.

"I am delighted that I am part of the trivida® team and can contribute my experiences to the development of this innovative wheelchair. I wish I had a wheelchair with trivida® wheels in rehab. Then I would have regained my independence quicker and it also would have relieved the nursing staff."

Kristina Vogel, two-time Olympic winner and eleven-time World Champion in track cycling, paralysed after a training accident in 2018

More savings

The level of sick leave amongst nurses and carers - due to musculoskeletal disorders – is 83 percent higher than in other occupations*. Furthermore, restrictions of the musculoskeletal system are considered one of the most frequent causes of long-term illnesses in the care and nursing sector. The relief offered to nursing and care staff – thanks to the trivida® wheelchair wheel – can significantly help to lower these risks. Even more, for hospitals, rehab facilities, retirement homes or nursing homes, the lower care requirement – plus higher staff retention – offer a considerable savings potential. Moreover, the cost for nursing care insurance may be reduced too. An investment that already pays off in a short time.

* Source: tk Health Report 2019, Germany

Intelligent triatec[®] technology

A showcase of German engineering excellence from the Black Forest

- **Obstacle-free transfers**
thanks to the clever, detachable design of the wheel
- **Very simple operation**
thanks to intelligent design and innovative technology
- **Maximum safety**
Stress tested and certified – guaranteed stability



Hang the removed section conveniently on the opposite side of the wheelchair.

The clever and sophisticated three-part design of the trivida[®] wheel is a unique technological solution in order to remove the usual obstacle formed by the wheelchair wheel and enables a lateral transfer with less physical effort. The innovative triatec technology guarantees complete stability – the users can lean on their wheelchair during the transfer.

An incredibly simple design with minimum components, it guarantees easy operation with maximum safety and a long life. Even more, the innovative triatec technology guarantees complete stability, allowing the user to lean on their wheelchair during transfer.



The trivida® wheel

Available in plastic or carbon



User-friendly, ergonomic handles

The round-shaped handle can be conveniently operated, even by someone with fine motor control difficulties. By courtesy of the clever lever mechanism, the detachable wheel segment can be easily unlocked using little force.

Seamless and comfortable process

Holding the hand-rim, the upper detachable segment of the wheel is easily removed and comfortably placed on the opposite side of the wheelchair. A clear path for the lateral transfer is now open. The wheelchair remains stable.

Extremely simple locking technology

Thanks to super-intelligent locking technology, the detached wheel segment easily merges back into its original position - as if by itself. It's seamless: even with just one hand, it can be reinserted and securely locked.

Puncture-proof tyre for superior safety

The durable, puncture-proof, solid rubber tyre ensures excellent shock-absorption. Even better, it will not leave any wheel tracks, even on indoor surfaces.



Thanks to super-intelligent locking technology, the detached wheel segment easily merges back into its original position - as if by itself.

Further questions?

Find out more at
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Find trivida® dealers in your area
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