

ottobock.

Juvo

Power wheelchair for more independence

Quality for life

“We’re Nadine and Pierre, and we both use a Juvo power wheelchair. Due to our different medical conditions, we have very specific requirements for our everyday companion. Thanks to the Juvo modular system, we each use a model that has been tailored to our needs. Based on a special formula that an rehab specialist personalised for each of us, a customised power wheelchair was created which – and this is most important – we can use every day. For us, that’s reason enough to give the Juvo a “thumbs up” as a perfect everyday companion. For us, the Juvo is always ready to support our daily routines and weekend activities.”



Pierre

... Pierre definitely stands out in a group. Why? Because his enthusiasm and high spirits are infectious. Having grown up near the coast, Pierre is naturally drawn to the seaside – including the shrieking of seagulls. That's why the trainee can often be found visiting lakeside and seaside promenades in the summer with his Juvo – especially when festivals with live music are being held there.



Nadine

... A year on from marrying her husband Nick, Nadine is just as much in love as on that first day. The wide range of activities and hobbies they share is what makes them so happy together. Whether she's volunteering at Nick's workplace, working on the allotment they share or travelling with him to beautiful Italy, Nadine continually surprises her husband with her tireless stamina.

Always ready for Pierre

Pierre will never give up his love of life, and the fact that he became quadriplegic after a traffic accident eight years ago hasn't changed that. Pierre, a native of north Germany with an innate love of the Baltic Sea, just relies all the more on the technical support that helps him live his everyday life as independently as possible. Pierre is just as active outdoors as indoors in his Juvo power wheelchair, which takes into consideration his personal needs thanks to its modular principle. If there's entertainment to be had near the water, the 26-year-old and his friends will rarely pass it up. Even when it's flooded with tourists in high season, Pierre can't keep away from the harbour promenade. "People are considerate and make room for me," Pierre says, "when they see our crew coming. It's especially

important for me to get a place in the front row at concerts." So far, the trainee office administrator has had mostly good experiences on public transport as well, and has found that people are willing to help.

But he still finds it a great advantage that his employer, the German Red Cross, is located just a few hundred metres from where he lives. "The trip there is short and working in the office is a lot of fun," says the administrative trainee, who operates his communication media with a chin control device. The fact that the dry theory he's studying at vocational school "isn't really his thing" doesn't affect his motivation to give it his all as he works towards completing his degree as an office administrator.



„Cruising a promenade on the Baltic with friends in the summer – for me that's pretty much a perfect day.”



Friends for life

Pierre's closest friends still include those he knew growing up. So it's important to him that his wheels are as flexible as possible when his buddies take him out on excursions.







"I'm an office trainee from Monday through Friday. All the more, I enjoy excursions to the seaside with my friends on weekends."

As long as it's romantic

Nadine likes things to be romantic, and that's evident not just when she raves about the mystic charm of ancient castles and monasteries. And because her husband Nick knows that, he came up with a special plan for Nadine on their first anniversary together: a houseboat cruise for newlyweds passing by a 16th century castle of impressive proportions. When checking for a boat hire Nick was especially impressed to find a company focusing on the special needs of wheelchair users.

What Nick finds so unique about Nadine is her untiring enthusiasm for new places and activities. He was continually amazed by her love of discovery on their honeymoon to Italy. She is still raving about the trip today: "We started by visiting Lake Garda, but went on to visit some of the bigger cities in Italy from there." The two Germans were especially impressed by Milan and Venice. Today, Nadine can chuckle about the lack of accessibility they ran into here or there

at hotels. "Nick and I know how to help ourselves out quite well in these kinds of situations.

Once they were back home, work was waiting as well as their new allotment and its shed, which needed thorough cleaning and renovation. "We started by putting on a new roof with my father," Nadine says, "because the sooner the arbour was ready, the sooner we'd be able to enjoy time with our dog there on the weekends." Being close to her family is very important to Nadine. "It was fantastic that my brother got married the same year as my husband and I did. It was a very intense time for all of us."

As far as Nadine is concerned, there will soon be various other excursions like the one she and Nick enjoyed on their first anniversary. "My husband", says a proudly smiling Nadine, "is really my lucky charm. He shares most of my hobbies and passions like music and pet keeping and couldn't be more attentive."



"I'm a totally positive person, and that's definitely thanks to the love and support my brand new husband Nick gives me."



Pure romance

Husband Nick's houseboat surprise on their first anniversary wasn't just a hit – it made her fall in love with him all over again.

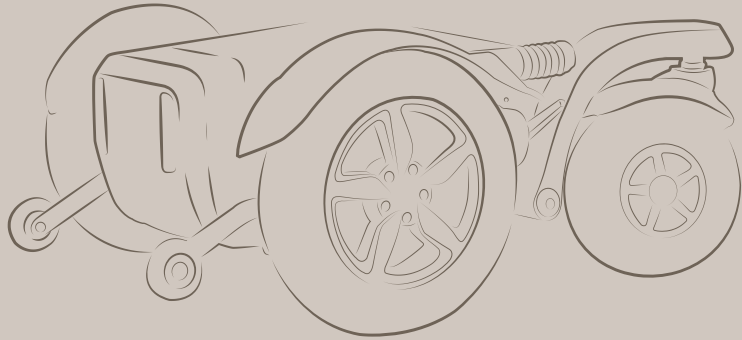


A black and white photograph of a man and a woman on a cobblestone dock. The man, wearing a plaid shirt and glasses, stands behind the woman, who is seated in a motorized wheelchair. They are both looking towards the right. In the background, there is a wooden building with large arched windows, a body of water, and a forested shoreline under a cloudy sky. A green speech bubble is overlaid on the left side of the image.

“Nick and I are a fantastic team. Because we think alike most of the time, he knows exactly what to do to make me happy.”







Two drive bases

Those of you who are more experienced with power wheelchairs are well aware of the necessity to best match the user's particular needs with the right kind of power drive. As the new Juvo wheelchair is available with two drive options, we'd like to give you a brief overview introducing the benefits of both variants.



The right power drive for everyone

Pierre who trains in a barrier-free office building, enjoys regular outdoor excursions after work. Naturally, he decided for a rear-wheel Juvo to facilitate his lifestyle. Nadine – as a very petite young woman – feels that the front-wheel model supports best her daily routine.

Rear-wheel drive...

Due to its versatility the most common type of drives – the rear-wheel drive – offers numerous variation possibilities in regard to speeds. Because of its design, it allows for an optimum power distribution onto the ground.

If you decide for a rear-wheel drive you most likely have indoor and outdoor mobility in mind. Travelling outdoors is definitely one of this Juvo's leading skills – thanks to its directional stability and solid performance in regard to higher speeds.

Front-wheel drive...

Apart from its compactness this type of drive offers a good climbing performance when faced with obstacles like curbs etc. Thanks to its small turning radius and the ability to closely approach furniture etc., the front-wheel driven Juvo is your preferred partner for the indoors. Due to its particular driving characteristics, you may want to thoroughly trial the front-wheel drive model in your home environment. So don't hesitate to contact your rehab specialist.





...at a glance

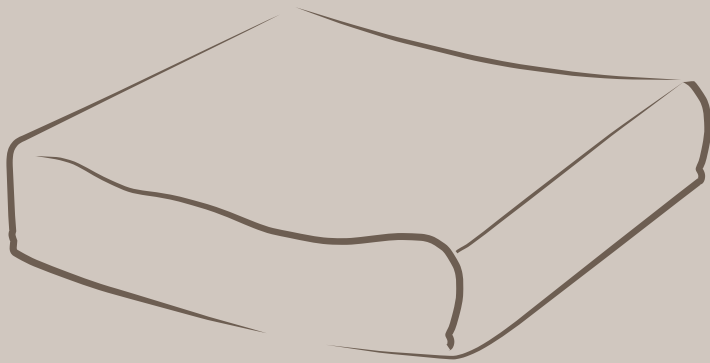
- Good directional stability – even at higher speeds
- Large range of possibilities to adapt your sitting position
- Good suitability for outdoor travelling



...at a glance

- Relatively small turning radius
- Good cornering ability
- Easy to approach furniture etc.





Seating solutions

The seating solution plays an important role as the interface between you and your power wheelchair. That's why good seating solutions take into account individual requirements of each user. The main focus here is on improving comfort, health and functionality. Your seating specialist would be happy to discuss the following options with you in detail.



The appropriate seat for every body shape

The Ottobock seating philosophy is based on the belief that your particular seating requirements are unique. In order to create a tailored seating solution we offer a variety of options for you to choose from.

Vario Adjust Seat

The new VAS (Vario Adjust Seat) can be tailored to precisely match your individual body measurements. It comes with a padded back support (tension adjustable) and a low cut seat cushion. The biomechanical Ergo Joint back angle adjustment is largely free from unwanted shear forces. Laterals or various mounting brackets can be installed on the side rail of the seat frame. Flip-up arm supports and a variety of leg supports may be ordered optionally.





Contour Package

The Contour package, which consists of a seat cushion and back padding, was developed by experts from the fields of physiotherapy and occupational therapy. The result of this collaboration was an optimally shaped seat, which can be ordered in a wide range of sizes and contours. The front seat base is formed by the anatomically shaped seat surface, which offers a high level of lateral stability. The recess in the cushion prevents the thighs from rotating inwards or outwards, resulting in a physiological position that relieves the hip joint. An integrated “ramp” also aids the optimal positioning of the pelvis. Along with the back padding, this supports active straightening of the pelvis. Both components of the Contour package can be combined with the standard and VAS seating solutions.



Seat cushions

Thanks to our experience with high-tech foams used in automotive seating, we have succeeded in developing foam-based solutions for users who need to sit for long periods. The result is a completely new product for wheelchair users. Due to improved molecular mobility under a load, the foam offers optimised pressure distribution as it cushions the thighs and the pelvis. This improved pressure distribution and the reduction of shear forces also minimises the risk of pressure sores. Overall, we offer nine different cushions from our Comfort, Floam and Terra Line series.

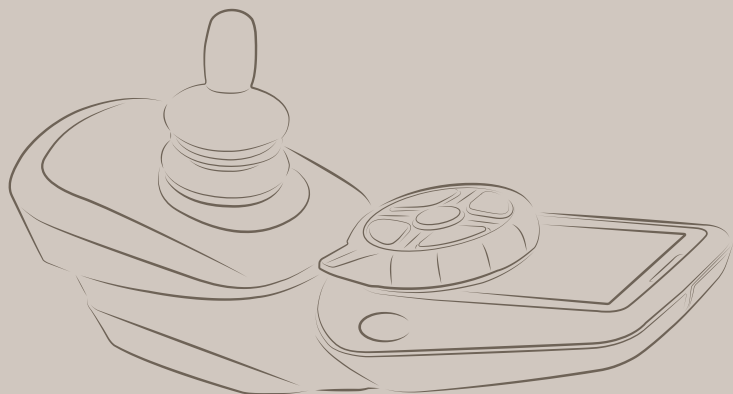


Baxx Line

The Baxx Line consists of ergonomically shaped, rigid back shells offering you a high level of stability and sitting comfort for everyday use.

Two different heights and three contours allow for individual adaptation to your requirements. The top of the back is padded to make sitting especially comfortable. Large recesses in the back shell are responsible for a good climate control as well. The aluminium back shell is available in a variety of colours. Baxx Line products can be combined with VAS seating solutions.





Control devices

Depending to the amount of powered features on your Juvo, various control options are available. If you are looking for alternative input devices, don't hesitate to ask your rehab specialist about specialised controls.



Choosing the right control

The suitability and efficiency of your control device not only determines your driving comfort, but all other parameters of your daily routine. It's therefore important to find a device that meets your exact needs.

VR2

The tried-and-tested VR2 is our standard control device, with speed and acceleration settings which can be programmed to suit your personal needs. The control panel is divided into a keypad, two LED displays and a joystick. A charging receptacle is located on the underside.

Depending on the included power options, one of two different control panel versions can be used on the Juvo power wheelchair. Your specialist dealer or fitting manager would be happy to provide you with detailed information regarding the advantages of these versions.



TEN° control device

Ottobock's TEN° handheld control device stands for "the ergonomic network" and constitutes a small ergonomic revolution. Why? Because, for example, the soft hand pad helps to prevent premature fatigue. Plus, the innovative jog wheel offers a 10-degree rotation angle. The high-resolution 3.5 inch colour displays gives you a good overview of your user interface. You like to have the last word when it comes to deciding the colour scheme of your chair? Then we'd be happy to deliver the TEN's aluminium housing in the colour of your choice.

6 advantages at a glance:

- Innovative jog wheel, for fast speed selection
- Soft hand pad
- Infrared- and Bluetooth interface
- 3.5 mm jacks for external buttons
- Control lever can be positioned freely
- Solid aluminium housing in a colour of your choice

Special controls

In cases where standard controls don't work out for you, a mini joystick may be your option of choice. Operable with little effort mini joysticks can be adapted to meet your particular needs. Many users prefer small joysticks to be mounted to a swing away arm to be controlled by chin or lips.

But there's still more to it. Please contact your rehab specialist about special- and environmental controls that not only help you to control your power chair, but also your communication media and – if necessary – your domestic appliances.

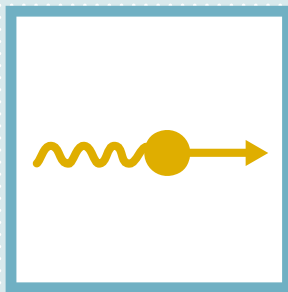




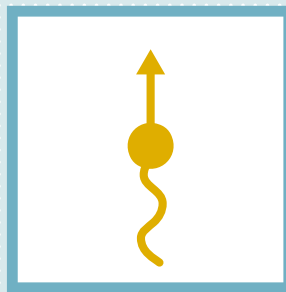


Safety and extras

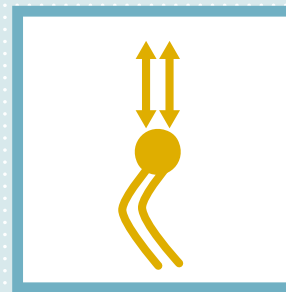
We do not compromise when it comes to safety features. Let's take a look at the most significant ones shown below. Additionally we'd like to point out some fine extras promising easy handling to your caregivers or accompanying persons.



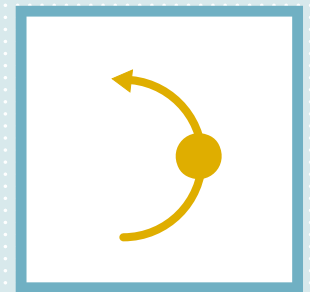
Vibration Compensation



The gyroscope module



Swivel lock



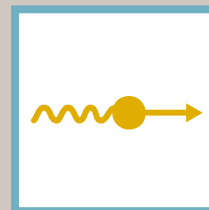
Speed reduction on curves

Safety

As we are particularly concerned with your personal safety we like to draw your attention to the following features designed to help you safely navigate your Juvo.

Anti-tipping wheels

Users of power wheel chairs benefit from its anti-tipping wheels. When going downhill or braking hard (e.g. in case of a shut down of the control unit) they prevent your chair from tipping over. In order to maintain the climbing ability of your front-wheel driven Juvo, the flexible anti-tipping wheels fold back automatically as they touch the obstacle.



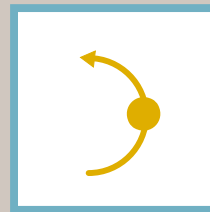
Vibration compensation

The joysticks we use in our special control range, recognise vibrations which occur e.g. when driving over cobblestones. With 'Vibration Compensation' you do not longer have to reduce the speed of the wheelchair on a bumpy road, the Juvo will automatically adjust to the situation.



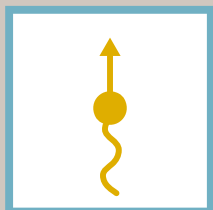
As an independent consulting engineer Hans Herold of Neuhaus has been conducting tests with Ottobock power wheelchairs for years. Asked about the new Juvo, Herold states:

During a 100-hour trial period I'm putting Juvo motors to the test in everyday situations. By carrying along extra weight I simulate the maximum safe-load. My work helps to identify improvement points for current models and of course future product development.



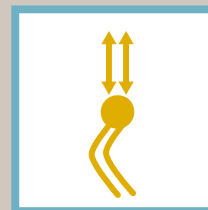
Automatic speed reduction on curves

What exactly does this mean for you? This means that the control device automatically lowers your speed as soon as it detects a steering motion. For further information, please contact your rehab specialist, who can individually program the parameters that are right for you.



The gyroscope module

Power chairs gain driving stability and support for straight-line driving thanks to the stabilising module. This eliminates tiresome driving corrections and enables precise manoeuvring on various surfaces including slopes. We recommend using the gyroscope module when using switch input devices. Together with the TEN° control the gyroscope module comes as standard equipment with front-wheel drives.



Swivel lock

While a modern, manoeuvrable wheelchair typically makes driving backwards unnecessary, situations (such as exiting a lift) do occur which require a change in direction. A caster wheel lock can be extremely helpful in this case, as the fixed caster wheels remain in their straight-ahead position and prevent unwanted steering to the side. The same applies when driving on ramps and narrow passageways. The swivel lock can be ordered optionally as either a manual or electrical variant.

Extras

Let's take a look at some useful accessories you may want to add to your Juvo.



Service

To ensure your Juvo is reliable at all times, we recommend annual maintenance checks by your service specialist. This is the best way to ensure a long service life and that you can enjoy driving your wheelchair. To make it as easy as possible the battery can be quickly and easily changed in all series 5 and 6 Juvo chassis by folding the seat back.

Replacing the drive unit

In the unlikely event that the drive unit needs to be replaced, you won't need to give up your individual seating unit. The uniquely separable nature of the chassis and seat makes it easy for the technician to replace the Juvo's drive unit – for the time repairing takes place. And off you go again.





Accessories

Additionally you may add a selection of accessory parts to your Juvo power wheelchair. The USB and power interface (as shown on the left) provides 12/24 V power supply in order to connect additional end devices such as aspirators. When it comes to lighting you may want to consider our LED lighting that comes in attractive clear glass housing (as shown on the right). But there's still more to facilitate your daily routine. Apart from a magnetic charging connection, we offer a cup holder and a sturdy luggage carrier suitable e.g. for transporting respiration equipment.



Custom fabrication

Making the impossible possible: the sophisticated modular design of our new Juvo power wheelchair helps us reach many users with very specific requirements. If there's anything else you need due to your special requirements, please speak to your specialist dealer or fitting manager. Our goal is to meet your individual wishes, making your everyday life easier on your journey to greater independence and making the impossible possible as well!



Juvo at a glance

Technical data

Speeds	6 / 7.2 / 10 km/h
Rated battery capacity	63 Ah (C5) / 74 Ah (C20) gel batteries (standard equipment)
Driving distance range (according to ISO 7176-4)	35 km
Control device	VR2 or Ottobock TEN°
Maximum load	chassis size 1: 140 kg, chassis size 2: 160 kg
Obstacle height the wheelchair is able to overcome	front-wheel drive: 100 mm, rear-wheel drive: 60 mm, optionally 100 mm
Climbing ability (ISO 7176-2)	10° / 17%
Min. turning radius	965 mm
Total width	chassis size 1: 600 mm, chassis size 2: 640 mm
Seat height (depending on seating solution)	400 – 550 mm
Seat width	340 – 560 mm
Seat depth	340 – 500 mm
Back support angle	0° to + 30°
Seat tilt	45° electric
Seat inclination	-3° / 0° / 3° / 6°
Back support height	450 / 550 mm
Arm support height	225 – 350 mm
Lower leg length	250 – 540 mm
Max. charging time	12 h
Weight from	107 kg

Colours



Anthracite metallic



Jet black RAL 9005



Ice blue



Sparkle light orange



Vinho sparkle



Marine blue



Candy red



Silver metallic



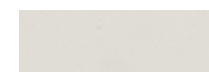
Yellow RAL 1023



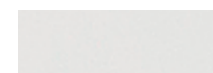
Signalred RAL 3001



Sparkle granny-smith



Cream white RAL 9001



White RAL 9016



Shimano matte



Jet black RAL 9005
matte



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