



A world of Ergonomic Chairs

**WESTECH**  
HEALTH CARE LTD.



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Activity Chairs for home, school, and the work place.

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## Ergonomics and safety

VELA develops chairs for people to be able to maintain a high level of activity and independence.

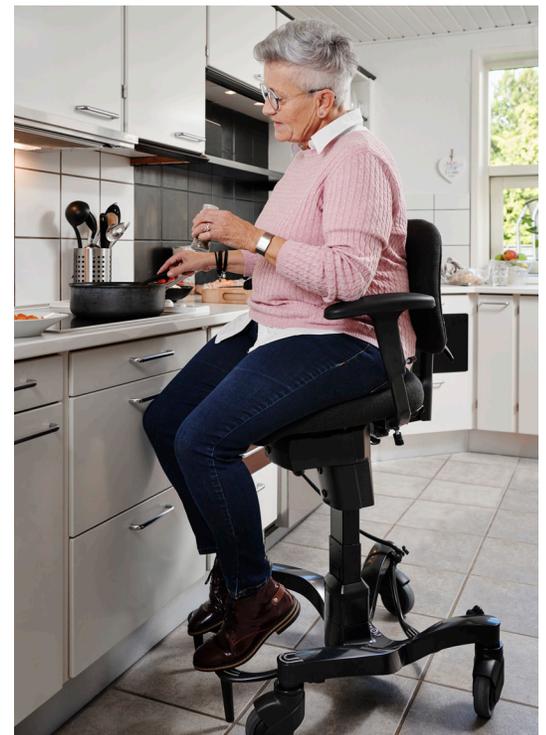
Through collaboration with therapists and eighty years of expertise in ergonomics, VELA offers a wide selection of ergonomic chairs that supports activity throughout the day. VELA offers chairs for kids, young people, adults and elderly people with disabilities. We also offer basic chairs and stools for caregivers, therapists and assistants. Through ergonomics, the VELA chair contributes to independence, activity, better work environment as well as comfort and safety for people with disabilities, their care givers and therapists.

Chairs from VELA contribute to an easier day for people with disabilities. VELA offers ergonomic chairs, fitted for, e.g., specific tasks, functions and special needs. The chairs are easy to adjust and the ergonomic designs of e.g. seat, backrest, armrests and various accessories contribute to a safe and healthy positions of function.

## Advice on ergonomics

Good ergonomics is important for people with disabilities, since many activities take place while sitting.

1. Good ergonomics is not one specific sitting posture, but variation in switching between using a work chair, easy chair or maybe a wheelchair.
2. A sit-stand chair, with a brake, relieves and stabilises a standing work position and gives possibility to change between a sitting and a standing work position.
3. Use the chair's seat and backrest adjustment options to vary your sitting posture – move and change position in relation to your work tasks.
4. Move the chair close to the task and avoid postures where you have to stoop and strain your back or your neck.
5. Use the chair's height adjustment and seat tilt to avoid working with lifted shoulders and arms. The height adjustment also facilitates the caregiver's work during transfers.



Assistive technologies can make a huge difference in the everyday life of people with disabilities, as they enable execution, activity and participation in everyday activities. This applies to the VELA Chair, a device developed by VELA in the 1970s. VELA has become popular in many homes by providing people with disabilities and physical limitations with greater independence.

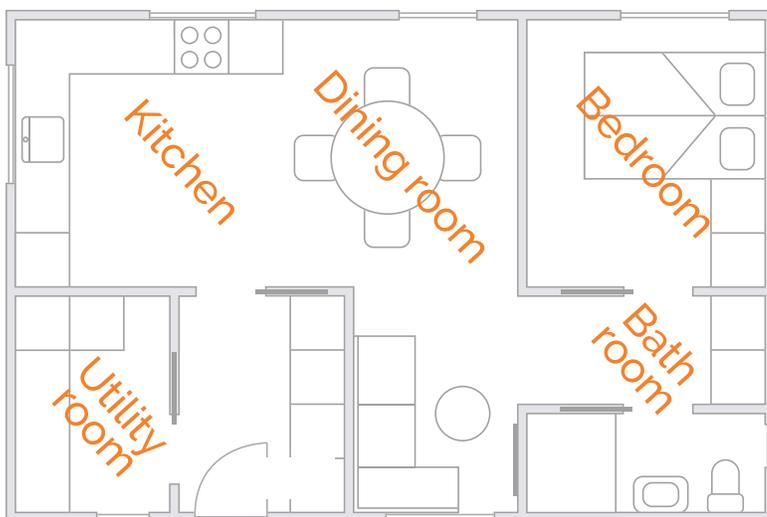
The VELA Chair's reason for being is the same as it was back in the 70s: the central brake of the chair provides safety and liberty to perform various activities. At the same time, the VELA Chair is a mobile chair with smooth-running wheels that allow the user to walk the chair around in a seated position.

A VELA Chair is available with manual or electrical height adjustment. The electric height adjustment reduces inconvenience and pain often associated with movement.



Furthermore, the electrical height adjustment also supports people who are fatigued or with reduced balance and power in the legs to mobilise themselves from a sitting to standing position.

On the following pages, concrete benefits from users and care providers are described from their perspective based on everyday activities at home.



## A VELA Chair provides self-reliance/ independence in relation to:

	Mobilisation and transferring ✓
	Increased Reach ✓
	Cooking ✓
	Refrigerator ✓
	Top cabinet ✓
	Dishwashing ✓
	Laundry ✓
	Hanging up laundry ✓
	Ironing ✓
	Personal hygiene ✓
	Toilet Visits ✓
	Closet ✓
	Dressing ✓
	Watering plants ✓
	Cleaning ✓
	Vacuuming ✓



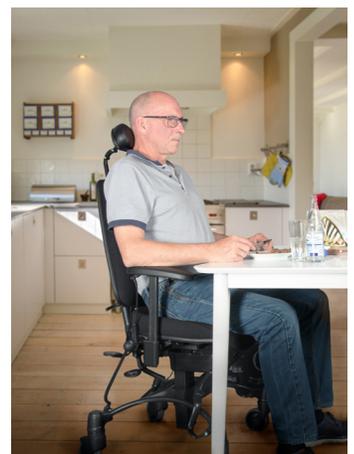
**Kitchen work** Daily activities in a kitchen such as preparing food, making coffee for yourself and your guests are fundamental to most people. Kitchen work mostly takes place while standing and requires precision, strength and stability, for instance when chopping vegetables or slicing bread.

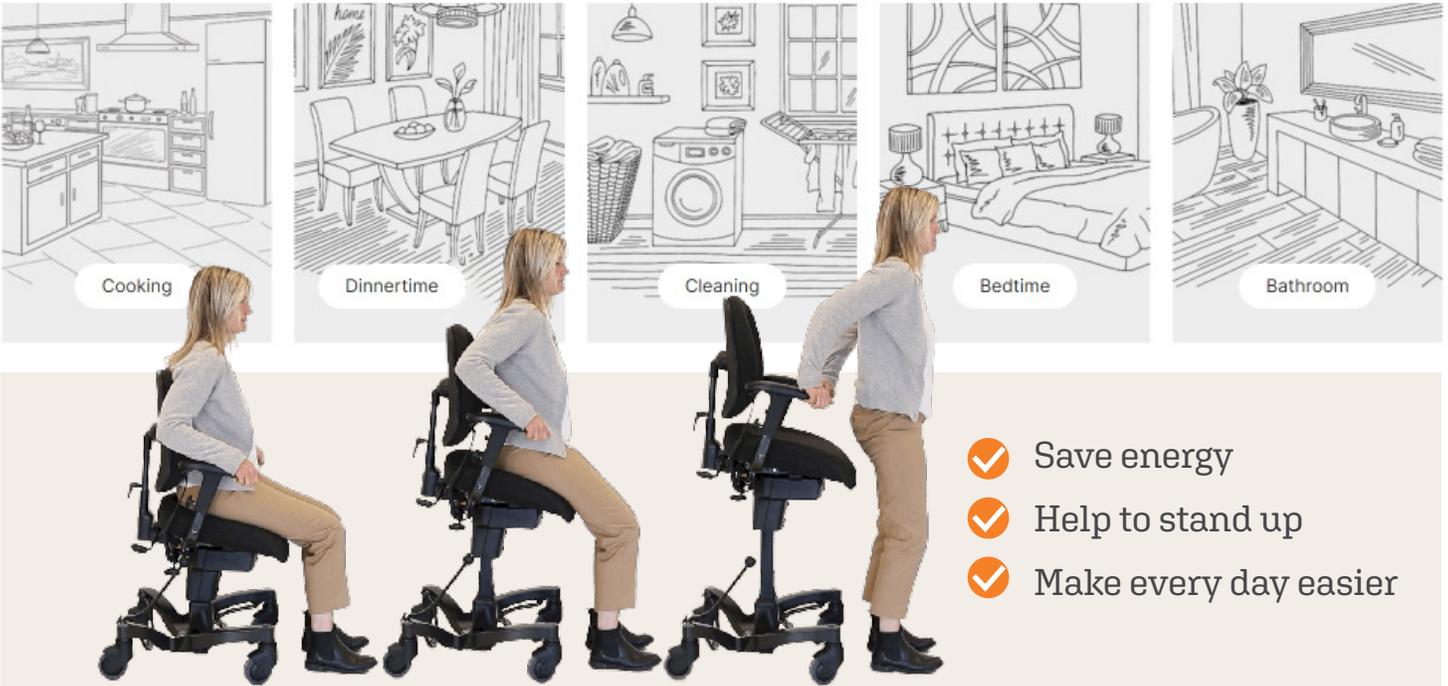
**Sedentary work** Being able to carry out daily chores at home independently, without relying on help from others, gives most people an improved quality of life and a meaningful existence. Chores such as ironing, vacuum cleaning, cooking and doing the laundry require good balance and stamina, which can be a challenge for some people.



### Finding the right chair

VELA has many years of experience of finding just the right chair, so people with disabilities can maintain their activity level and remain as independent as possible. VELA has several types of customised chairs with seats and backs in different sizes, so it is possible for the user to achieve a comfortable, active and ergonomic work posture.





**Chairs with electric height adjustment have many advantages** In many respects, chairs with electric height adjustment can be an essential help in everyday life, positively impacting mobility, balance, and independence.

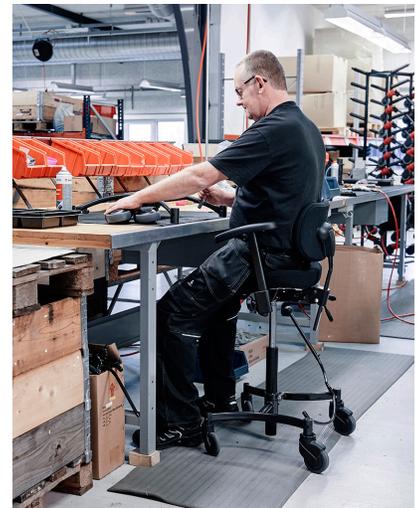
Electric height adjustment can be advantageous if the user has reduced ability to sit-stand, often experiences dizziness or has pain in their hands.

The electric height adjustment is also suitable for those who need the chair to raise and lower gently, e.g. if you suffer from a back disorder or diminished lower extremity function.



**Standing work** Quality of life for people with disabilities may be linked to being able to do a job, e.g. with reduced hours or a flexijob. Quality of life can also mean being able to perform everyday activities independently.

**Healthy back** A healthy and strong back can, for some, seem incompatible with a long working day involving sedentary work. However, even if you work in an office and sit for most of the day, you can still strengthen your back and prevent back pain.





# Features to help you Move



The VELA Tango Chairs are designed to elevate to allow stable standing and access to both high levels and low levels in your home or office.

Elevation is either Electric or Manual depending on the Model.



VELA Tango 100



Vela Tango Arthrodesis Split Seat



VELA Tango 200



VELA Tango 300



VELA Tango 500



VELA Tango 510

**NEW**  
the latest model  
of the popular  
VELA chair



VELA Tango 700

VELA Tango is a series of customized chairs developed for people with disabilities to increase independence and activity at home and the workplace. VELA Tango chairs have a unique central brake which provides a safe and stable work base. VELA Tango is an ergonomic activity chair that provides mobility and support for those with pain, balance issues or weakness from stroke, cardio pulmonary issues or neurological conditions - fall prevention is critical to staying independent.

## VELA TANGO CHAIRS

- :: Stable and safe chair with central brake
- :: User weight up to 160 kg (352.74 lb)
- :: Easy-adjustable seat, backrest and tilt

### VELA Tango 100

- :: Low backrest provides lumbar support and allows free movement of the upper body, shoulders and arms

### VELA Tango 200

- :: High backrest with extra back and lumbar support

### VELA Tango Arthrodesis Split Seat

- :: Split seat with separately adjustable cushion front for amputations or hip conditions

### VELA Tango 300

- :: The chair is for heavy users and can handle weights of 200kg (440lbs) impact, fierce movements and uneasy users
- :: Reinforced base, armrest bars and backrest bar

### VELA Tango 500

- :: ALB backrest provides optimal support to the lumbar and pelvic region and promotes an upright posture

### VELA Tango 510

- :: High back and neck support combined with a large rear tilting seat provide relief and a good resting position

### VELA Tango 700

- :: Vela's newest model of Activity Chair.
- :: Two new series of ergonomically designed seats and backrests to fit your need for comfort and support.
- :: Excellent support and sitting comfort.
- :: Seats and backs available in 4 different sizes and active or contour styles.



# Vela Tango Chairs - Electric



VELA Tango 100EL



VELA Tango 200EL



VELA Tango 300EL



VELA Tango 310EL



VELA Tango 500EL



VELA Tango 510EL



VELA Tango 700EL

**NEW**  
the latest model  
of the popular  
VELA chair

## VELA chair with electric height adjustment

- Perfect when you need to sit down at activities where you would stand before, for example, due to pain or lack of strength in the legs.
- The VELA chair provides a safe and stable workplace that you can adjust in height electrically, which helps the person independently mobilise from a sitting to a standing position and vice versa.
- Suitable for many activities (up high) as you are not dependent on the help of your feet and legs with electric height adjustment, and therefore have the option of a higher sitting height than on a manual VELA chair.
- Reduces unpleasant bumps and jolts that may occur in connection with a manual height adjustment, which causes pain and discomfort for some people.

## VELA TANGO CHAIRS - ELECTRIC

- :: Electric height adjustment gives a comfortable and safe change of seat height
- :: Stable and safe chair with central brake
- :: Brake and armrests provide safety and support

### VELA Tango 100EL

- :: Low backrest provides lumbar support and allows free movement in upper body, shoulders and arms

### VELA Tango 200EL

- :: High backrest for extra back and lumbar support

### VELA Tango 300EL

- :: A heavy duty chair designed for increased user weights of up to 200 kg (440.9 lb).
- :: Sitting height can be adjusted while sitting in the chair

### VELA Tango 310EL- electric height adjustment

- :: Robust chair approved for 300 kg user weight. Resists sudden weight impact when you "drop" into the chair.
- :: Electric height adjustment assists you with sit-to-rise.
- :: Has a 4XL seat (W: 72xD: 50 cm) and a CX backrest (W: 38xH: 43 cm) as standard.

### VELA Tango 500EL

- :: ALB backrest provides optimal support to the lumbar and pelvic region and promotes an upright posture

### VELA Tango 510EL

- :: High back and neck support combined with a large rear tilting seat provide relief and a good resting position

### VELA Tango 700EL

- :: Vela's newest electric height adjustment chair
- :: Two new series of ergonomically designed seats and backrests to fit your need for comfort and support, active or contour

## Accessories provide optimal customisation for the user

All VELA chairs have a wide range of accessories so that the chair can be adapted to the needs of each user. VELA offers solutions in upholstery, comfort, support, grip, electrical setting and working environment. There are many accessories for VELA chairs, including many different types of backrests and seats that can be combined to suit individual needs.



**People with difficulties in walking and mobility problems may benefit from:**

- :: Extra-large smooth-running wheels that make it even easier to move the chair.
- :: Footrest on which to rest the feet while sitting and working. Furthermore, it is possible to pull and push yourself around using the arms, while the feet rest on the footrest.



**People with pains and reduced joint mobility may benefit from**

- :: T-grip that reduces twists in the body and back, when using the brake on the chair.

- :: Large backrest with air pump that allows for variation and graduation of backrest support.



**People with reduced power in arms and hands may benefit from:**

- :: Arthritis grip that makes it easier to use the chair's adjustment options as they are placed parallel to the seat of the chair instead of below the seat. This means that you do not need to reach so far to get to them, nor is it necessary to use as much effort as with the standard grips.

- :: Special seats, backrests, body supports, side supports and headrests **contribute to an ergonomic seat position** that promotes activity

- :: Covers for seats and backrests are an advantage when the chair is used by different users or when there are **challenges related to hygiene**

VELA offers a wide range of accessories that provide the possibility to customise the chair to the individual user

- :: Armrests are available in different designs and with different cushions that can **relieve and support the arm** in the right position. Armrests contribute to **increased comfort**, provide **safety** and **facilitate entry and exit** of the chair, for those who have balance problems or reduced power in the legs

- :: Push bar **improves the working environment of the care provider**, e.g. when the user is moved sitting in the chair
- :: Special grips, e.g. for people with arthritis, can **ease the adjustment** of the brake, seat and backrest





VELA Salsa 100



VELA Salsa 110



VELA Salsa 120



VELA Salsa 130



VELA Salsa 400



VELA Tango EL Sit-stand

VELA Salsa is a series of sit-stand chairs with a central brake. These chairs promote stable and height adjustable base. the user's independence at different activities, because of a safe, high workplace.

VELA Salsa provides extra safety and stability for the user. A tilted seat supports a healthy posture with an open hip angle and free movement of shoulders and arms e.g. when doing kitchen tasks and working up high.

Stable armrests and a central brake provide safety while getting up and sitting down in the chair. This is an advantage for users with mobility and balance problems. Brake and armrests also provide support when changing the sitting position.

VELA Salsa chairs allow an extra-low sitting height, e.g. for the user to help children get dressed. The chair also comes in a high version, which is optimal when the user is ironing, cooking or placing dishes in the cupboard.

## SIT-STAND CHAIRS WITH BRAKE

- :: Central brake and armrests provide safety during activities and transfers
- :: Relieves strain on back and lumbar muscles in standing work positions
- :: Short seat depth with tilt promotes an active sitting posture and a healthy back
- :: Possible to "walk" the chair when in low position
- :: Backrest gives good, ergonomic lumbar support

### VELA Salsa 100

- :: Ergonomic curved seat with a rounded front edge stabilises the user

### VELA Salsa 110 - sit-stand chair without backrest

- :: Ergonomic curved seat with a rounded front edge and raised pommel stabilises and supports the user

### VELA Salsa 120

- :: Ergonomic seat with a V-shaped front edge

### VELA Salsa 130

- :: Ergonomic curved seat with a rounded front edge stabilises the user and reduces pressure on posterior thighs.

### VELA Salsa 400 - available with back rest

- :: Saddle seat with tilt promotes an ergonomically provides for pelvic tilting postures and active sitting posture

### VELA Tango EL Sit-stand - electric height adjustment

- :: Ergonomic curved seat with a rounded front edge and raised pommel stabilises and supports the user
- :: Stepless electric height adjustment is comfortable and supportive



An adult should always help the child to adjust the chair so that the chair is set appropriate for the child in relation to the activity.

## Grow with the chair

With a VELA Children's chair, it is possible to 'grow' with the chair and get special adaptations - for a perfect fit for children and adolescents.

VELA Children's chairs will truly grow with the user. The unique back adjustment allows the seat depth to increase as the child grows. Should the user grow out of the existing seat then simply replace the seat pad for the next size up - same applies with our backrests. Our modular system allows for accessories/supports to be added retrospectively should the need occur.



The easy reach Central Brake promotes user independence and safety. The contoured seating system with memory foam helps prevent sacral sitting & the 4-point belt helps with hip alignment. A selection of supportive backrests and adjustable armrests help the child stay focused and supported while in class or at home.

The ergonomic seat and backrest systems from VELA are specifically designed for children and provide optimal sitting comfort, as both the backrest and seat can be adjusted to suit the individual.



### VELA Hip Hop 100

The VELA Hip Hop 100 is a smart chair, especially for a child who often sits and works at a table. The chair is suitable for most school desks, and its discreet design means that it does not take up much space in the classroom. The central brake provides safety and aids concentration



### VELA Tango 100S

The VELA Tango 100S is a safe chair for children and young people with special needs. The chair is perfect for use in school and at home as the central brake provides stability during activities and transfers.



### VELA Tango 100ES

The VELA Tango 100ES is a children's chair with electric height adjustment - perfect for children and young people with special needs. The electric height adjustment helps the child with transfers and makes it possible to vary the seat height for different activities without having to rise from the seat.



For activity and comfort at school and home



VELA Hip Hop 50



VELA Hip Hop 100  
with E1 seat/backrest & seatbelt

### ACTIVITY AND SCHOOL CHAIRS

- :: Brake and armrest provide extra safety and increased concentration for work and activity
- :: Armrest and brake stabilises the chair and make it easy for the child to get in and out of the chair
- :: Easy moving castors ensure the user can get close to the task at hand
- :: Comfortable and adjustable seat, backrest and tilt supports an ergonomic sitting position
- :: The backrest provides ergonomic lumbar support
- :: Different seats and backrests can be combined in relation to the child's size and needs
- :: The seat has a "reservoir" of foam which can be changed for optimum stability in the sitting position
- :: The upholstery has good wear resistance and is water repellent
- :: Hygienic wipeable upholstery available.

#### VELA Hip Hop 50

- :: Practical and simple shell chair for the classroom and institutions
- :: Accommodates E1 to E3 seating

#### VELA Hip Hop 100

- :: Large selection of accessories and special solutions, enabling the chair to be adapted to the needs

#### VELA Tango 100S

- :: Good ergonomics, comfort and support for an optimal sitting posture, which promotes activity and participation
- :: The backrest can be fixed in an angle for extra lumbar support



VELA Tango 100S



VELA Tango 100ES

### SCHOOL CHAIRS (ELECTRIC)

- :: Stepless electric height adjustment gives a comfortable and safe change of seat height
- :: Electrical height adjustment optimises seat height for increased participation. This function also assists with sit-to-stand and transfers
- :: Armrest and brake stabilises the chair
- :: Comfortable and adjustable seat, backrest and tilt
- :: Special seats and backrests can help the child to concentrate if having, e.g. learning difficulties
- :: Stable base and central brake for safety, support and increased concentration for work and activity
- :: Supportive base for daily activities

#### VELA Tango 100ES

- :: Good ergonomics, comfort and support for an optimal sitting posture, which promotes activity and participation

#### VELA Tango 100ES with ES5 backrest

- :: High backrest with lateral support stabilises and supports the child without the use of body supports

#### VELA Tango 100ES with body support

- :: Head and body supports for extra stability and safety when the child is sitting in the chair



VELA Tango 100ES  
with ES5 backrest



VELA Tango 100ES  
with head, lateral & side support

**Note:** The displayed chairs may have accessories that are not standard

