

Accessibility, a solution for every barrier



Mobile stairclimbers

T09 Roby

T06 Comfort

T09 Roby

VIMEC
Easy moving

T09 Roby

The mobile tracked stair-climber that delivers unbeatable comfort and safety.

Roby is the mobile **tracked** stair climber that gives wheelchair users the chance to overcome architectural barriers both in the home and in the outside world, **without any permanent installations**.

It is designed and constructed to climb stairs of all kinds with **no risk of damage to them**, thanks to its prehensile rubber track.

INNOVATIVE AND SAFE

Thanks to the **Integrated (Tratogetronic) electronic** drive control, Roby guarantees constant speed in every situation, laden or empty, going both up and down stairs; guaranteed **peace of mind** for the user at all times.

RELIABLE, ALWAYS

The electronic control system reduces the risk of failures and wear, ensuring **longer lifetime** and **excellent performance**. Roby also has a manual operating system to allow the passenger to be brought back down the stairs in the event of an emergency.



Rubber tracks don't leave marks and guarantee high stability

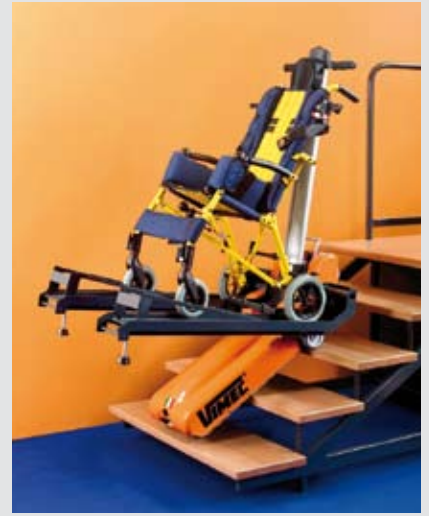
Ergonomic and functional

The Roby mobile stair climber is custom-built for the **user** to assure him **smooth**, **comfortable** travel at all times, and for the carer, who will welcome this unit's **stability** and **effortless operation**.



T09 Roby is available in three versions:

- 1 - standard
- 2 - wheelchairs with small wheels
- 3 - multifunctional footrest



Design and functionality

Roby is manufactured using environmentally-friendly materials of a high aesthetic quality

- Load-bearing base in a single aluminium casting
- Oval aluminium steering bar
- ABS control panel and bodywork
- Rubber tracks that don't leave marks
- Headrest and handles made of material that is easy to sanitize

The soft lines without protuberances or sharp edges make the machine easy to clean in just a few minutes.

Ergonomics

Roby is very ergonomic:

For the operator

- Easy to break down into two pieces for transportation, the light weight and compact design make it easy to handle (self-standing steering bar)
- Minimum effort required for positioning the chair
- Easy to traverse, thanks to the automatic wheels that are always active
- Practical and safe adjustable mounts for the hooking up the wheelchair
- Control panel at the height of the steering bar with battery charge indicator, slope indicator, emergency stop button, ignition key
- Safety pedal (no effort required for the operator)
- Silent running
- Discreet, after use it can be kept in store rooms

Comfortable for the person sitting in the chair:

- Constant speed, smooth movement
- Smooth hook-up of wheelchair without jolts
- Fluid and safe unhooking
- High stability in operation

T09 Roby



1) Double hooking steering bar with an easy operation





Roby is conform to the current standards and regulations in force:

- Conform to European Directive 89/336/EEC for "Electromagnetic compatibility"
- Conform to IEC 601-1 standard (Medical Electrical Equipment) - (IEC 62.5)
- Conform to European Directive 93/42/EEC Medical Electrical Equipment (manufacturer's certification)

Berlin Cert voluntary homologation awaiting approval

- 2) Automatic wheel system always active to insure a safe landing on each floor
- 3) Suitable for internal and external staircases

T09 Roby Technical data

Colour	Light Blue RAL 5015		
Weight	47 Kg. (37Kg mobile unit, 10Kg steering bar)		
Power supply	24 V, by means of 2 V-12 Ah batteries in series. 24 V-3 Ah built-in electronic battery charger, realized with 'switching' technology directly powered by 230V.		
Motorization Drive unit	Irreversible reduction gearbox, with axial transmission driven by 'brushless' 24V-500w electronically controlled engine.		
Full load speed	5 m/1' upwards; 5 m/1' downwards (same speed when unloaded).		
Full load autonomy	23 actual floors of which 20 until the blinking on the GREEN LED on the steering wheel alerting the need for batteries recharge, and 1 floor until the shutdown of the equipment.		
Wheel belts	No-marking, high friction factor rubber, ensuring adherence without leaving any mark on the line of travel.		
Gradient	35° max; the gradient indicator is on the steering bar		
Load	130 Kg.		
Minimum depth of landing	970 mm. With wheelchair and passenger on board for standard version; 1100 mm. for the version with multifunctional footrest.		
Minimum stair width	820 mm.		
Controls	Up/down controls on the steering bar; button on control unit, to load the wheel belt part of a vehicle.		
Handling	The stairclimber can be dismantled in 2 parts with a single move without effort; the chassis is provided with 2 handles; it can be carried in a car trunk.		
Warning	Once the unit is delivered, the attendant has to be instructed by a VIMEC technician.		
Use	STANDARD VERSION It is adjustable to folding wheelchairs equipped with knobs (ISO cod. 12.21.06.039 and 12.24.21.115 Panda Type) or, thanks to standard adjusting fittings, with stuffed back seat wheelchairs and handle (ISO code 12.21.06.003) or strengthening back - frame of seat (ultra - light wheelchairs - ISO code 12.21.06.060) but all with back wheels of large diameter (~ 50-60).	A.R.P. VERSION for wheelchairs with small wheels: steering bar designed for wheelchairs with small back wheels (12/30 cm) or, special seat wheelchairs with adjustable back seat (ISO code 12.21.06.045, 12.21.03.006, 12.21.09.006 and 18.09.18.012).	P.P.P. VERSION with multifunctional footrest: platform suitable for all the other wheelchairs and baby - carrier, for electronic wheelchairs, if the total weight of the passenger and of the wheelchair doesn't exceed the homologated load capacity. The climb and the descent on the ramps are made by pushing the specially provided buttons: constant pressure and delayed of 2 seconds to avoid unintentional pressure. Movements on the landing are easier thanks to 4 auxiliary wheels (vertical pressure on the steering bar), each of them equipped with ball bearing.
Safety	Irreversible reduction gearbox; electronic check of the speed; delayed controls; steering-bar fitted with mechanical clamping system on both sides and checked by safety - switch; motion consent only when the mechanical (and electrical) clamping is properly fitted; safety belt and adjustable headrest. Safety fastening on wheelchairs, preventing accidental opening. Emergency STOP.		

The data are indicative and not binding. Vimec reserves the right to make any modifications considered necessary.

T06 Comfort

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Easy moving

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The safe, lightweight stairclimber for those who find stairs difficult.

Together with the Roby model, the T06 mobile stair climber is the ideal aid for those with even just partially or temporarily impaired movement, enabling them to climb stairs with a carer in absolutely safety.

INDISPENSABLE AND VERSATILE

The T06 is the ideal wheeled aid even **on very narrow stairs** (up to 650 mm), with small landings, and on **winding or spiral staircases**.

RELIABLE AND STURDY

The safety devices enable the carer to fulfil his/her role **effortlessly**, during both ascent and descent.

SAFE AND COMFORTABLE

Thanks to the "**soft start**" system, the seated passenger enjoys a **smooth ride** even on very **steep** staircases (**up to 57°**); the braking system is capable of holding the T06 in position even on the steps.





T06 Comfort is equipped with a belt with four attachment points

T06 Technical data

Colore	Blue with chromium plated finishing and cream colour seat.
Weight	52 Kg. (40 Kg. the basic group, 12 Kg. the seat)
Voltage	24 V by a 24 AH battery. The battery charge is displayed by a luminous indicator. The battery charger is included in the supply.
Speed	13/16 steps/1'
Operating range	1020 steps when loaded
Wheels	Made of rubber with high friction factor, which assure grip.
Max riser	270 mm
Min. Tread	175 mm
Maximum gradient	57° (over 100%)
Safe working load	130 Kg
Min. Landing dimension	800 mm.
Min. Stair width	650 mm.
Controls	On the steering bar, controls constant pressure type.
Handling	The T06 can be dismantled in 2 parts with a single move without effort; it can be carried in a car boot.
Warning	the attendant has to be instructed by a VIMEC technician once the unit is delivered.
Use	The movements are made without effort, just press the upwards or downwards button; the horizontal movements are quicker through auxiliary wheels. "Soft" start and "soft" stop devices.
Safeties	irreversible reduction gearbox; delayed controls; safety belt; two mechanical and independent brakes; extractable key; automatic battery charger indicator; built-in charger; nr. 2 lift-up arm rests; lift-up foot rest.

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- in conformity with the European Directive 89/336 – EMC
- in conformity with European Directive 98/37 Machine Directive
- in conformity with European Directive 93/42 Medical Device (manufacturer's certification)

**Vimec s.r.l.**

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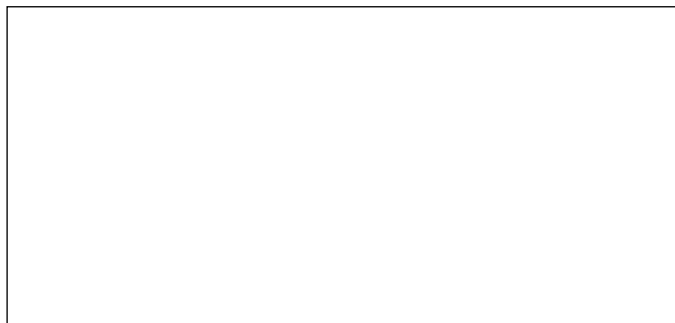
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COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
=UNI EN ISO 9001/2000=

**PSP: at partners' service**

Partner Support Program: a Vimec exclusive for its partners, aiming to supply each of them, all over the world, with a series of personalised tools for developing their business and offering the end user a better and better service.

This programme includes an introduction to the concepts of "accessibility", specific classroom training courses and training in the field for sales staff and engineers, analysis and assistance for the development of the most appropriate market strategies, and backup for the organisation of seminars (e.g. for architects, civil engineering firms, etc.) and for participation at trade fairs.

Close co-operation with its partners guarantees Vimec constant improvement of its degree of knowledge of the various markets and thus of their varying needs in terms of accessibility, which translates into the design of suitable products.

All oriented towards better and better management of customer relations, and the achievement of full customer satisfaction.

Guaranteed product

The Vimec mobile stair climber is guaranteed for 24 months from the date of consignment to the user and the guarantee can be extended in time through the service centres.