BeachTech®

Beach cleaners

BEACHTECH BEACH CLEANERS

GROUND-BREAKING TECHNOLOGY FOR CLEANER BEACHES



BeachTech®

Dream beaches for your guests

Paradise beaches. For relaxation, sunbathing, dreaming and games for the children. Always as though they were the first to discover them. Every day like new. Free of cigarette stubs, pieces of glass and shells, plastic bottles or flotsam – BeachTech devices clean thoroughly.

BeachTech means increased recreational value for your guests. For satisfied tourists who look back on their holiday with pleasure and cherish the memories of their days on the beach. Because we are dedicated to this task: Cleaner beaches and satisfied guests through cost-effectiveness and efficiency in beach cleaning.

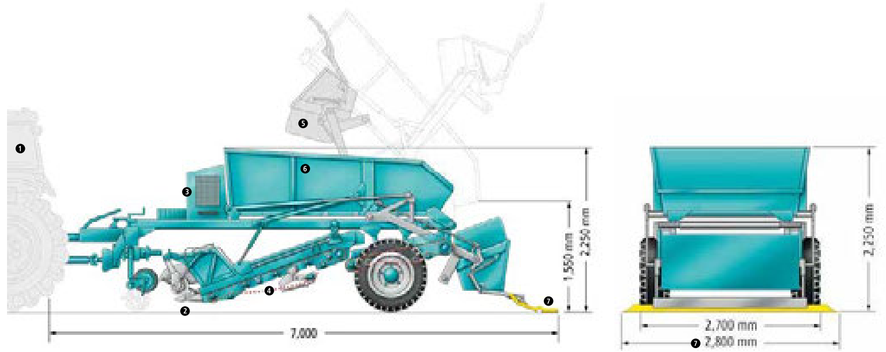




BeachTech 3000
Power and volume

Ideal for large beaches
The BeachTech 3000 beach cleaner is used for cost-effective and efficient cleaning of large and expansive beaches. With a working width of 2.50 m, the BeachTech 3000 achieves coverage of up to 30,000 m²/h. The 2-belt screening system facilitates an extremely high screening capacity. The loading volume of 4.7 m³ guarantees a large operating range: there is no need for interim trips to the unloading station.

Non-stop perfection
Two hydrostatic pumps move the pick-up roller and the two screening belts. The angle of the first screening belt and the depth of the pick-up roller are set hydraulically via a gear pump. Lowering the screening-raking unit fixes the depth setting and the cleaning method. Waste is moved to the first screening belt during travel, and the sand is then sifted using vibrations. The residual waste moves across the second screening belt into the collecting tank and the dumper.





1 1-man operation
Control of all working processes via remote control in the driver's cab.



2 Working width
Working width of 2.50 m for coverage of up to 30,000 m²/h.



3 Under the hood
Tank, radiator and control block are quick and easy to access for all inspection and service work, and for emergency operation.



4 2-belt screening system
The 2-belt screening system guarantees optimum sifting of the sand.



5 Collecting tank
The collecting tank of 0.7 m³ is emptied into the dumper.

6 Large dumper
4-m³ loading volume for maximum operating range.



7 Finisher
To structure, aerate and then compress the sand.

See page 13 and the separate datasheets for options for the individual products.



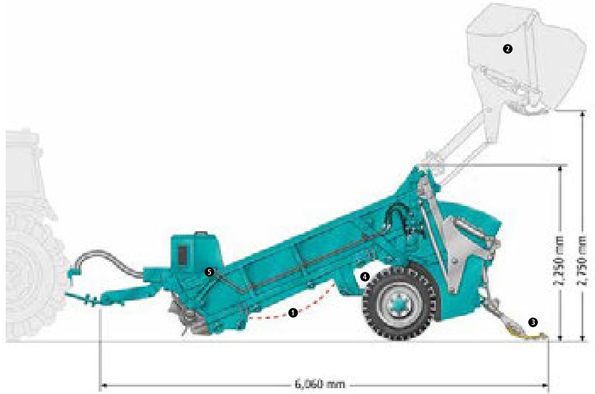
BeachTech 2500
The new generation

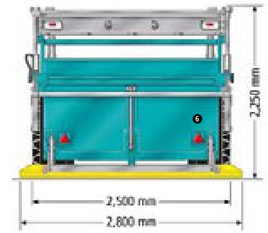
Numerous innovations
Just as soon as we began development of the new BeachTech 2500, we took our customers' needs into consideration. In the process of development, we deliberately concentrated on the value of the intrinsic properties. Numerous innovations are the result.

The innovation of central importance is the patented, unprecedented composite screening belt. By the use of additional drive belts and crossbars, the composite screening belt has a higher operational performance while at the same time featuring a longer service life.

Thanks to the innovative design engineering, the screening belt no longer stretches, so it never has to be shortened.

Further features of the BeachTech 2500 make work easier. The axle design, for example, provides a great deal of room for servicing, and the kinematics ensure easy unloading of the waste container while the remote control makes for easier operation. These are just a few of the advantages of the BeachTech 2500!







❶ Composite screening belt
Patented and innovative
No stretching, increased operational performance thanks to additional drive belts and crossbars. Longer service life as a result of minimized material wear.



❷ Waste container
Reinforced design
Careful attention paid to every detail of the fastener for high stability without lateral movements as well as an improved application of force. Greater unloading height of 2,750 mm thanks to the new hinged function.



❸ Finisher and kinematics
Completely reworked, improved hinged function, easier unloading, adapted hydraulics, favorable for road travel.



❹ Axle support
New axle design
More room for servicing.



❺ Remote control
Simplified handling system
Only one dual-action circuit of the auxiliary tractor hydraulics (in standard operation). Improved operation thanks to easy-to-understand, clearly assigned functions.



❻ LED lights
Standard equipment, long service life, rugged.

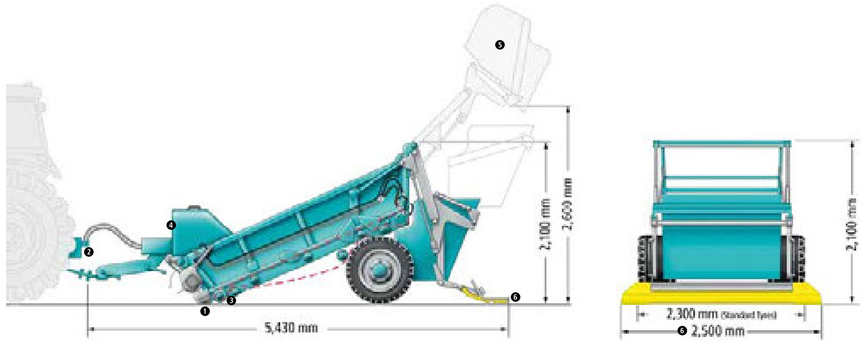
You can find options on page 13 as well as on the separate data sheets of the individual products.



BeachTech 2000
Compact and agile

At home on medium-sized beaches
The compact BeachTech 2000 is designed for medium-sized beaches. With a working width of 1.85 m it covers up to 22,000 m²/h. The agile beach cleaner can also handle tight access roads and narrow sections of beach. Another plus: like all BeachTech models it can be approved for road travel.

Triple shaken
The quiet, fully hydraulic drive with cooling system moves the pick-up roller and a long screening belt. Three eccentric shafts create a vibration process, which sifts out even the finest particles of dirt. Finally, the waste is moved along the screening belt into the collecting tank. The unloading height of 2.60 m means the waste can be tipped directly onto a truck or into a trailer.





1 Working width
Working width of 1.85 m for coverage of up to 22,000 m²/h.



2 Spline-mounted pump
The spline-mounted pump enables the BeachTech 2000 to handle even tighter curves.



3 Tension roller
Tensioning of the screening belt prevents a loss in performance.



4 Under the hood
Tank, radiator and control block are quick and easy to access for all inspection and service work.



5 Collecting tank
The collecting tank has a loading volume of 1.5 m³. Unloading height of 2.60 m (in DIN containers or directly onto a truck).



6 Finisher
To structure, aerate and then compress the sand.

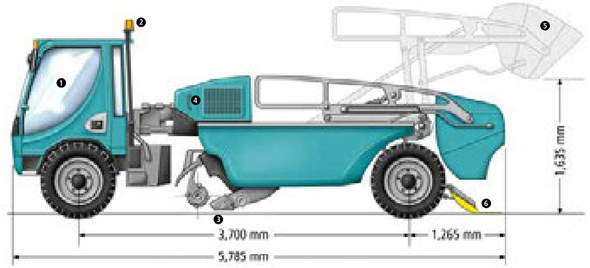
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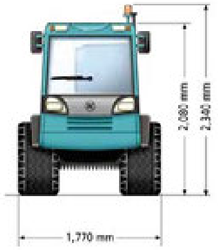


BeachTech Marina
The multi talent

Tractor and trailer in one
The self-propelled BeachTech Marina sets standards when it comes to agility, manoeuvrability and quietness. Thanks to articulated front-wheel drive and connectible active rear-wheel drive, it has a sensationally small turning circle. With a powerful turbo diesel engine, hydrostatic all-wheel drive and low-pressure tyres, nothing gets in the way of the BeachTech Marina.

As the BeachTech Marina can be registered for road travel, you can use it anywhere you like. So much flexibility means the highest cost-effectiveness.







❶ 1-man operation
All vehicle functions are controlled directly from the cab.



❷ Safety
The BeachTech Marina is equipped with all safety features (acoustic warning alarms in the event of incorrect operations, reversing alarm, electrically operated exterior mirrors for optimum visibility, warning beacons and seatbelts).



❸ Working width
Working width of 1.40 m for coverage of up to 15,000 m²/h.



❹ Under the hood
Tank, radiator and control block are quick and easy to access for all inspection and service work.



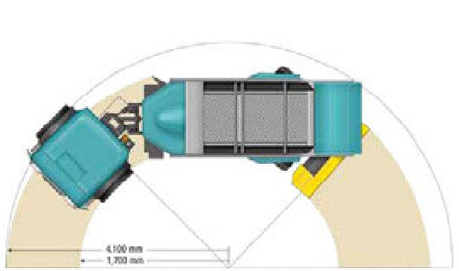
❺ Collecting tank
The compact collecting tank has a loading volume of 0.5 m³.



❻ Hydraulically adjustable finisher
The finisher reliably follows the cleaned track even around curves when rear-wheel drive is activated.

See page 13 and the separate datasheets for options for the individual products.

BeachTech Marina
Effortlessly around any obstacle



Small turning circle – big impact
The special feature of the BeachTech Marina is that it can handle every curve and every corner. Our innovative vehicle concept: Articulated front-wheel drive and connectible active rear-wheel drive. This reduces the turning circle during cleaning to an inner radius of just 1.70 m. Thus, the Marina can even clean in tight spaces around sun loungers.

Road approval
Beach hopping is no problem for the BeachTech Marina. Thanks to road approval potential, it can travel from one beach to another – flexible use for the greatest cost-effectiveness.

Customised cockpit
The ergonomically designed cockpit and the joystick make it easy to control. Large electrically operated mirrors ensure excellent all-round visibility. The comfortable two-seater driver's cab is available with folding roof or air conditioning.

BeachTech Marina
Accessories



Front hitch
Thanks to the optional front hitch (3-point mounting Cat. II) for a range of attachments, the BeachTech Marina becomes a true multi talent.



Screening rake
The screening rake enables you to loosen compacted sand, shift large sections of sand and level sandcastles.



Roller broom
Alongside the clean beach, carefully cleaned streets, paths and squares are also important. The roller broom turns the BeachTech Marina into the perfect road sweeper.



Lawnmower
3 rotors and rubber support wheels ensure even mowing results.



Water sprayer system
Dampening the sand surface reduces the formation of dust.



Clearing blade
Used for levelling the sand surface or for various other shifting and clearing tasks.

Patented cleaning technology
Beach cleaning on any sand



Raking technology



Screening technology



Combined cleaning technology

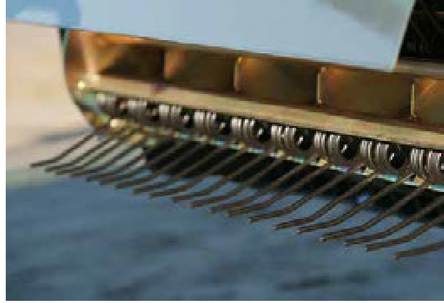
The right answer for any contamination
Cigarette butts, pieces of glass, plastic bottles, flotsam or seaweed – thanks to the patented BeachTech raking, screening and combined cleaning technology, nothing is left behind. The raking technology means that damp sand can be cleaned to the optimum and dry sand can be processed with high speed. The screening technology involves removing a thin layer of dry sand and cleaning it of even small contaminants (e.g. cigarettes).

The non-stop switch
With the combined cleaning technology the driver can combine both cleaning methods in a continuous operation. The switch between raking, screening and mixed cleaning occurs non-stop. The vehicle is ready for all areas of the beach thanks to the variable use of the different cleaning technologies.

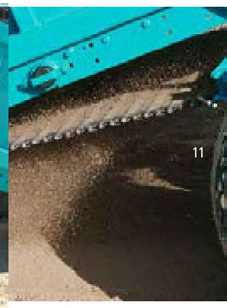
Raking technology
- Sand: wet and dry
- Surface cleaning
- Coarse contaminants (e.g. seaweed)

Screening technology
- Sand: dry
- Surface and deep cleaning
- Small contaminants
  (e.g. cigarette stubs, bottle tops and pieces of glass)

Combined cleaning technology
- Sand: dry to damp
- Surface and deep cleaning
- Coarse and fine contaminants







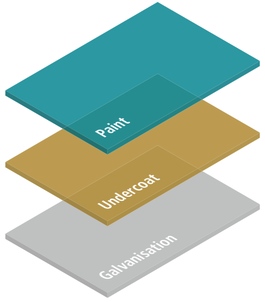


Corrosion protection
Built for use at the seaside





Robust from the ground up
Every part of all BeachTech vehicles is designed to withstand the high demands of saltwater, constant contact with abrasive sand, salty air and high atmospheric humidity. The tried-and-tested structural components also remain in good order after long periods of use. They are galvanised against corrosion, with a 2-component EP-undercoat filler, and protected against the weather by 2-component acrylic paint.



Paint
2-component acrylic paint,
sea water resistant

+

Undercoat
2-component EP-undercoat filler

+

Galvanisation
Corrosion protection guaranteed even if layer of paint is slightly damaged

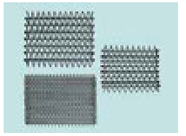
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High-quality corrosion protection
Hard-wearing components
Low-maintenance power units
Long service life
Reliable availability
Minimised maintenance costs

Standard equipment



Spring tines
The spring tines can be replaced individually and are very flexible. For low wear and low maintenance costs.



Screening belts with different mesh sizes
Screening belts are available in three different mesh sizes. This means the cleaning concept can be perfectly tailored to the local conditions.



Composite screening belt
No stretching (no shortening necessary), increased service life, overload prevention, no tensioning device required. Currently available for the BeachTech 2500.



Eccentric shafts
Variety of shapes, diameters and profiles to ensure optimum sand sifting.



Maintenance-free bearings without lubricating nipples
No need for regular re-lubrication.

Options *



Length compensation system
This system, suitable for the BeachTech 2000, compensates a screening belt extension of approx. 0.80 m – which corresponds to up to 500 operating hours.



Sensing wheels
These are available for the BeachTech 2000, BeachTech 2500 and BeachTech 3000. They ensure constant depth control on uneven terrain.



Air conditioning
For us the driver is crucial. That's why the BeachTech Marina can be fitted with air conditioning as an optional extra. Ensuring the driver can keep his cool even in the hottest temperatures.



Camera
The optional camera system improves visibility of the pick-up shaft or the collecting tank. This helps the driver to ensure that the correct cleaning height and cleaning mode are selected.

✪ Options
- Hydraulic brake
- Power takeoff – mechanical drive shaft (for BeachTech 2000 and BeachTech 2500)

Additional versions available upon request.

* model-specific

It picks up everything
Whether rubbish, seaweed or stones

❶ Perfectly cleaned, whether beach, racecourse or water filtration basin
❷ Screening belts with customised mesh sizes pick up every object
❸ Stones of different sizes are no problem thanks to BeachTech
❹ BeachTech will also deal with large quantities of seaweed
❺ Easy unloading into the collecting tank
❻ Even the smallest pieces are reliably collected













Alternative uses
Many challenges – one vehicle

✪ Oil removal
Raking is counter-productive for beaches contaminated with oil, as the spring tines break up the oil clumps or move them into deeper, clean layers of sand. That's why BeachTech uses no tines for oil removal work and gently scrapes the contaminated surface with the pick-up blade. The oily layer can then be separated from the uncontaminated sand using the proven screening technology and extremely fine screening belts. The patented technology of the BeachTech beach cleaners as well as the use of the Cherrington screening technology ensure that most of the sand will be recovered.

✪ Cleaning racecourses
Kässbohrer sand cleaners remove all impurities from the soils of equestrian facilities and riding areas. In just a single work step, they loosen and smooth any type of surface that can be screened. Remove horse manure as well as rocks or miscellaneous dirt particles.

✪ Cleaning water filtration basins
The Kässbohrer sand cleaners - available in different models - aerate the soil while simultaneously reducing the growth of weeds and plants. Unlike conventional methods, when using Kässbohrer technology, sand is not gradually removed over the years.

BeachTech and Cherrington have joined forces
The portfolio consists of the best models of both brands. This acquisition has brought decades of expertise and experience from both BeachTech and Cherrington to one location in Laupheim, Germany. Cherrington vehicles are an efficient and economical option with a wide variety of application areas.

BeachTech® Cherrington

You can find further information on our Cherrington vehicles on our website or talk to us in person.

▸ www.beach-tech.com







Global service

Representatives in over 50 countries

Always there for you.
Our global sales and service network guarantees rapid assistance and spare part supplies. With representatives in over 50 countries. Our central spare parts warehouse in Laupheim despatches every day. We have more than 20,000 parts in stock here for fast despatch.

Our extensive aftersales services are complemented by an extremely efficient concept of training, advice and swapping experiences. This makes you largely independent. Our training and information centre offers multi-day courses for customer employees, workshop personnel and drivers. Optimum use, servicing, reduced operating costs – that's what we focus on.

For many customers the "first-class service" from Kässbohrer Geländefahrzeug AG is a major factor in their investment decision. Direct contact and local service are right at the top of the list. What our customers value most is direct contact with a skilled expert.

We were able to expand this support concept internationally in the last financial year due to an increase in service staff and workshops.



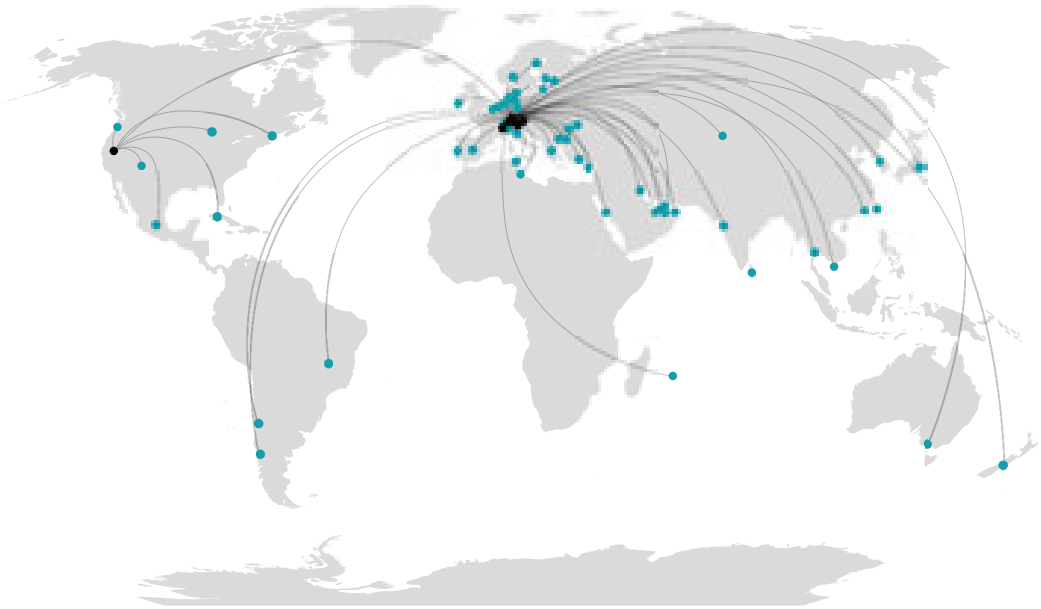




BeachTech®

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