BeachTech Marina
Innovative beach cleaning.

www.beach-tech.com
The BeachTech Series.

For local authorities, service providers, hotel owners and for use on beaches of all sizes, there are no more economical or efficient solutions than the BeachTech beach cleaning machines. For anyone who has the responsibility of maintaining beaches, BeachTech is the #1 choice. Equipped with the patented raking, screening and combined cleaning technique system BeachTech machines gently clean both wet and dry sand, removing cigarette butts, pieces of glass, plastic bottles, flotsam and seaweed. They ensure that these items are removed from the beach and the sand is left clean and safe for public use.

The BeachTech 2000, 2800 and 3000 vehicles are our tow behind units and have proved themselves on beaches all over the world. With performance efficiencies between 20,000 and 30,000 square metres per hour (5-7 acres per hour) and with extensive loading capacities, the BeachTech units are efficient and economical for use on large and medium-sized beaches.

In addition to the tow behind models, we would like to mention the compact BeachTech Sweepy hydro with hydrostatic drive, which makes manoeuvring around narrow beaches a simple task. With the updated quick change system in order to swap over attachments, multi-functionality is guaranteed and your beach is set up perfectly for use by all!
BeachTech *Marina* – for tight spaces and pristine beaches.

The agile BeachTech *Marina* works effortlessly, even in the tightest areas found between rows of lounge chairs and cabana covers. Essentially, the BeachTech *Marina* is a compact tractor and beach cleaner all in one. With its quiet motor and low noise output, it is just the machine to ensure that visitors to the beach can relax undisturbed. Additionally, the BeachTech *Marina*’s extra wide tires (520 mm/20.5") achieve maximum traction with minimal ground pressure on the sand. When you add-on the optional front 3-point hitch, you turn the BeachTech *Marina* into a really clever multi-function machine – which can now be used to sweep the streets, push sand where needed or rake large items out of the way.
An innovative vehicle concept.

The agile BeachTech Marina puts the fun into beach grooming! With its modern design, flexible attachment options and ease of operation the BeachTech Marina covers all bases. The Marina is a self-propelled model, so there is no need to use a towing vehicle nor is there any reason to spend additional capital to run or repair a tractor – the BeachTech Marina saves time and money. When it is on the beach it moves around effortlessly, using its permanent hydrostatic all-wheel drive for flotation on the sand, and the corrosion-resistant and salt water-resistant bodywork ensure that the BeachTech Marina can provide long years of beach cleaning service.
Nothing gets in the way of the BeachTech Marina – not even narrow access routes or lounge chairs. It is narrow and agile; most areas are within its reach.

With the BeachTech Marina, driving from beach to beach is no problem. If you get the BeachTech Marina registered for road traffic you can simply drive where you need to go! Flexibility equals great value.

The ergonomically designed cockpit and joystick make it really easy to operate. Its large electrically powered mirrors add to an excellent all-round visibility. The two-seat driver’s cab is available with folding roof or air conditioning.

It navigates its way effortlessly around all sorts of obstacles.

It can turn on the spot – the BeachTech Marina finds its way around every bend and into every corner. Our innovative vehicle concept with articulated front wheel steering as well as connectable active rear wheel steering allow excellent manoeuvrability. These features reduce the vehicle’s inner turning circle to a mere 1,850 mm (6’1”) while cleaning and allows the BeachTech Marina to get round any tight spot.
Non-stop perfect results.

The BeachTech patented raking, screening and combined cleaning concept is apparent and easy to use in the BeachTech Marina. The screening technique ensures the deep cleaning of dry sand. The raking technique ensures the speedy cleaning of surface sand as well as the large pieces of dirt and seaweed found on wet sand, and also ensures cleaning of the area where flotsam accumulates. By using the combined cleaning technique you can clean all areas! You can switch between the various techniques at any time, without stopping. The enticing result: a typical BeachTech sand surface of finely structured corduroy.
The BeachTech Marina ensures an all-round perfect beach cleaning result – from removal of trash and debris all the way through to the finishing process of professionally groomed sand. Waste is separated out from the sand and then carried by the conveyor into the hopper, leaving nothing but fine clean sand behind. The cleaned sand is then smoothed by the hydraulically adjustable finisher that follows the vehicle around every curve. All of these features bring an element of fun into working on the beach!

The pick-up blade transports waste material onto the screening belt. The position of the pick-up tine shaft and the height setting of the pick-up blade can be adjusted to suit the type of sand.

The screening belt competently separates waste from sand and the sand stays where it belongs: on your beach!

Completely separated from the sand, waste is then passed along the screening belt to the hopper. A safety system stands guard over all the machine’s functions – in the event of overloading or incorrect operation, an acoustic alarm signal is sounded in the driver cabin.

The BeachTech Marina’s hopper has an unloading height of 1.63 m or just over 5’, and can be unloaded directly into a container.
Additional equipment.

Lots of challenges – all solved with one vehicle. With the right attachments the BeachTech Marina can take on new tasks, providing even greater efficiency for the user. Why spend your capital resources on a range of special use vehicles for each different application when the BeachTech Marina, fitted with clearing blade, scraper or power sweeper, can do so much more? It is very simple to turn the standard beach groomer into a year-round machine that can be used to clear snow, sweep the streets, rake debris and so much more. With such a wide range of jobs it can do, the BeachTech Marina has minimal downtime and is therefore highly economical.

Front hitch
With the optional front hitch (3-point mounting Cat. II) for a range of attachments, you can turn the BeachTech Marina into a true year-round machine.

Clearing blade
Do you have a problem with sand blown onto paths, parking lots and beach promenades? Do you have a problem with snow in the winter? Sweep your problems away quickly with the BeachTech Marina clearing blade. This versatile machine can remove sand from areas you don’t want it and put the sand back where it is supposed to be – on your beach! Additionally, in the winter, the BeachTech Marina can clear snow with the same blade!

Scraper
Beach sand should be nice and even, not to mention soft and loose, for relaxed sunbathing on the beach, as well as for playing, shaping and building features in the sand. For all of these needs and desires, the BeachTech Marina includes a scraper amongst its attachments. This can be used to loosen compacted sandy soil or to remove large build-ups of sand, all leading to more efficient cleaning.

Power sweeper
For that well-groomed overall impression of your beach. At the end of the day, what really counts are not just clean beaches – but also carefully cleaned streets, paths and open spaces. If you fit the power sweeper to your BeachTech Marina, you will always have the perfect street sweeper at your disposal.
Amazing technology!

The technological innovation behind the BeachTech Marina is really impressive from start to finish. This technology has resulted in a highly robust vehicle with minimal wear and tear levels and straightforward maintenance requirements to provide a machine that is really user-friendly.

Screening belts with different mesh sizes
Screening belts are available in three different mesh sizes, allowing the cleaning system to be set up in the way that best suits the conditions of your particular location.

All of these features ensure that the operator can enjoy his work much more and that the machine has extremely high operational capability.

Climate control
For us, the driver is a crucial element of the whole procedure. In order to provide greater comfort while working, the BeachTech Marina can be fitted with an optional climate control unit. Even at the hottest temperatures, the operator can keep his cool.

Camera
The optional camera system provides greater visibility of the pick-up shaft. This helps the driver to ensure that the correct cleaning height and cleaning method are selected.

Tines
The quadruple spiral coil system together with the compact mounting plate make the 24 tines more flexible and more durable. They help to reduce the risk of damage occurring when stones or other hard objects are swept in, thereby reducing the effects of early wear and tear.

- **Eccentric shafts**: Variety of shapes and profiles to ensure best sand screening.
- **Stone shaft**: The newly designed intake shaft prevents stones from blocking the screening belt.
- **Maintenance-free bearings**: No need for regular re-greasing.
- **Switch-over valve**: The direction of the screening belt can be changed in order to clear blockages caused by overloading from material such as seaweed, etc.

Standard equipment for greater ease of operation:

- Eccentric shafts: Variety of shapes and profiles to ensure best sand screening.
- Stone shaft: The newly designed intake shaft prevents stones from blocking the screening belt.
- Maintenance-free bearings: No need for regular re-greasing.
- Switch-over valve: The direction of the screening belt can be changed in order to clear blockages caused by overloading from material such as seaweed, etc.

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The all-round care-free package.

BeachTech Service is constantly there for you. With service facilities and local representations in more than 40 countries all over the world, rapid support and spare parts supplies are guaranteed 24 hours a day, 7 days a week, 52 weeks in the year. What’s more, we offer a service which provides training, consultancy and allows for the exchange of experience, greater background knowledge and thus more independence for you.

We strive to form a partnership with the promise of success — covering everything from the drive system to the cleaning system. Those who know us also know that BeachTech machines are low on service costs and high in economic value — we are constantly improving the need for outstanding performance, long lifetime use and low ongoing costs. The BeachTech pays for itself — today, tomorrow and beyond.

Cost seen over the entire life of a vehicle

The cost of acquisition, together with any associated finance costs, represents only a small proportion of the overall cost; lifecycle costs can be much more significant. Costs for staff, maintenance, repair and servicing are all part of the total lifecycle cost and this is precisely where our BeachTech vehicles score so highly — a really well thought-out concept that is high on economy.

High value retention

BeachTech vehicles are designed for use in ocean environments. They are designed to cope with the high levels of humidity, sun and salt air that are experienced in that environment. The BeachTech product lines are robust and dependable. Additionally, there is always a strong demand for used vehicles as the BeachTech machines retain high levels of reliability after many years of use. This is why we make wear-and-tear replacement parts, as well as crucial operational parts, available up to ten years after vehicle production. Guaranteed!
**BeachTech Marina technical data**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td><strong>Engine</strong></td>
<td>Kubota, 31 KW, 42 HP, Turbo diesel</td>
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<tr>
<td>Cubic capacity</td>
<td>1,498 cm³</td>
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<tr>
<td>Torque</td>
<td>119.6 Nm / 2,000 rpm</td>
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<tr>
<td>No. of cylinders</td>
<td>4</td>
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<tr>
<td>Drive</td>
<td>hydrostatic all-wheel drive</td>
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<tr>
<td>Operating width</td>
<td>1,400 mm 55&quot;</td>
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<tr>
<td>Load capacity</td>
<td>0.5 m³ 0.7 cubic yards</td>
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<tr>
<td>Max. cleaning efficiency</td>
<td>15,000 m²/h 3.5 acres per hour</td>
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<tr>
<td>Dumping height</td>
<td>1,634 mm 5'2&quot;</td>
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<tr>
<td>Max. weight</td>
<td>3,500 kg 7,700 lbs</td>
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<tr>
<td>Payload, overall</td>
<td>1,000 kg 2,200 lbs</td>
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<tr>
<td>Top speed</td>
<td>32 km/h 20 mph</td>
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<td>Attachments</td>
<td>mowing unit, road sweeper, scraper, clearing blade</td>
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<td>Road legal</td>
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</tr>
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**BeachTech Marina corrosion protection**

Because the operating environment is close to the sea, the risk of corrosion due to sand and salt water is extremely high. BeachTech vehicles have special protection against corrosion.

- **Galvanization:** protection against corrosion guaranteed even if layer of paint is slightly damaged
- **Undercoat:** 2-component EP-undercoat filler
- **Paint:** 2-component acrylic paint, sea water resistant
With regard to the information contained in this catalogue: It is possible that there could have been changes to the products mentioned after going to press. The illustrations also show accessories and special equipment which are not part of the products when delivered as standard. Any deviations in colour are due to typographical reasons. References to legal, regulatory and fiscal regulations and implications relate solely to the Federal Republic of Germany. For information on the most up-to-date and binding position please speak to your contact at Kässbohrer Geländefahrzeug AG. Printed in Germany on environmentally friendly paper. 087·3/2009·e1·WA·7.000

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