



THE ART OF ARTIFICIAL TURF MAINTENANCE

RELEASE 2023



passion for sports grounds

SMG - PIONEER AND LEADER IN ARTIFICIAL TURF MAINTENANCE EQUIPMENT

„FROM THE BEGINNING - ALWAYS A STEP AHEAD“

Besides our almost 50 years of experience as manufacturer of running track installation and renovation equipment, we also look back to 30 years of experience in developing and manufacturing equipment for artificial turf installation, maintenance and reclamation. Our equipment to maintain artificial turf systems is separated in two different categories:






- Routine Maintenance
- Advanced Maintenance

IMPORTANT:

- SMG equipment of the higher category can do all the work of the lower category and also offers additional user benefits.
- Using SMG equipment means „smooth operating“: The simulation of a 10-year exposure to SMG care devices have shown no visually detectable changes of the pile fibres of a synthetic turf surface.
- The FIFA guideline „Quality Concept for Football Turf“ is illustrated with machines and equipment from SMG, as well as the UEFA guideline „Turf Use & Maintenance“ and also the Australian „Smart Guide To Maintaining Synthetic Sports Turf“ of Smart Connection Consultancy and Alastair Cox Associates.
- SMG equipment is suitable for unfilled and filled systems.
- Some SMG equipment is also available with an electric drive.
- SMG equipment that operates according to the SMG timetable returns the filling material and thus reduces the discharge of microplastics.
- SMG dust filters installed by SMG comply with DIN EN60335-2-69/dust class "M" and EN779 "F8" or "F9". Dust with a high proportion of fines as well as granulate/fibre abrasion (microplastics) are extracted via the powerful turbine and bound in the filter.



ROUTINE MAINTENANCE

-  Inspection of Lines / Seams
-  Top Cleaning of the Surface
-  Levelling / Redistribution of the Infill
-  Brushing of the Fibre
-  Magnet
-  Electric drive






ADVANCED MAINTENANCE

-  Decompacting
-  Deep Cleaning / Vacuuming
-  Retopping
-  Seasonal Maintenance
-  Treatment against moss
-  High pressure water
-  Filter

ROUTINE MAINTENANCE

TACTIC

The routine maintenance machines are equipped with soft, wheel-driven rotary brushes and adjustable screens. The pick-up bedding material is cleaned of dirt and spread evenly again. A constant amount of bedding material in the sieve insert is the decisive factor in returning the bedding material to the areas "underfilled" by the game. Regular use of this technique with appropriate driving tactics are guarantees for an even infill height, artificial turf fibers supported by infill material and a longer service life for the artificial turf system. At the same time, the constant return of the filling material from the edge areas to the main playing areas reduces the discharge of microplastics into the environment.

-  Inspection of Lines / Seams
-  Top Cleaning of the Surface
-  Levelling / Redistribution of the Infill
-  Brushing of the Fibre
-  Magnet

ATTENTION:
Beside the usage of the Routine Maintenance equipment it is highly recommended to contact your installer or service contractor for the Advanced Maintenance.

PULL BEHIND EQUIPMENT

with ground driven rotary brushes



TurfCare Series

The ground driven, tow behind TurfCare TCA1400 is SMG's Best Seller for Routine Maintenance for any kind of infilled synthetic turf pitches. The wheel drive makes the equipment independent from hydraulic or power shaft drives. Therefore the TurfCare can be pulled by various vehicles such as small compact tractors or quads. Working widths 500 mm; 1,400 mm; 2,000 mm

ROUTINE MAINTENANCE

RIDE ON EQUIPMENT

with ground driven rotary brushes



TurfBoy TB1

Powered by a 1-cylinder 12.2 kW (16 HP) air-cooled petrol engine and equipped with a ground-driven rotary brush the very compact TurfBoy TB1 is SMG's economical ride on machine for the Routine Maintenance of any kind of smaller infilled synthetic turf pitches. Working width 700 mm.



TurfBoy TB1 ECO

The TurfBoy TB1 ECO is driven by a 8.5 kW (11.56 HP) air-cooled petrol engine. The TB1 ECO has an adjustable row of tines for decompacting the infill with a working width of 1,100 mm. The triangular brushes for brushing the fibres with a working width of 2,000 mm are liftable.

ROUTINE AND ADVANCED MAINTENANCE

TACTIC

Motor-driven rotary brushes, adjustable sieves and suction turbines equip the devices for advanced maintenance. Adjustable sieves separate the filling material from dirt and SMG dust filters according to DIN EN 60335-2-69 "M" bind microplastics such as fiber abrasion and granulate dust. The cleaned filling material is then spread evenly again. With both surface cleaning and deep cleaning, infill material from the edge areas of the playing field is returned to the main playing areas, thus reducing the discharge of infill material and microplastics. In addition, the artificial turf fibers are brushed, infill material is incorporated and the artificial turf system is loosened up.

-  Inspection of Lines / Seams
-  Top Cleaning of the Surface
-  Levelling / Redistribution of the Infill
-  Brushing of the Fibre
-  Decompacting
-  Retopping
-  Deep Cleaning / Vacuuming
-  Seasonal Maintenance
-  Treatment against moss
-  Magnet
-  Filter

SMG dust filters installed by SMG comply with DIN EN60335-2-69/dust class "M" and EN779 "F8" or "F9". Dust with a high proportion of fines as well as granulate/fibre abrasion (microplastics) are extracted via the powerful turbine and bound in the filter.

PUSH / PULL EQUIPMENT

with powered brushes and vacuum turbines



TurfSoft TS2/TS3
 Powered by a petrol engine, the rotary power brush, the vacuum turbine and the adjustable sieve are the features to do the workload of Routine and Advanced Maintenance on tennis, paddel tennis and futsal courts. The manoeuvrable TurfSoft with its foldable handle is ideal for areas with little space to move, where stairs, steps and narrow doorways complicate the access to the pitch. Working width 800 mm.



TurfKing Series
 This PTO-driven 3-point rear attachment fits any standard small and municipal tractor with at least 12 hp (1,100 mm) / 20 hp (1,500 mm) and handles all advanced maintenance tasks, especially on full-sized fields. The self-cleaning polyester filter cartridges of the vacuum system are designed for long-lasting use and are dedusted continuously. Working width: 1,100 mm / 1,500 mm.

RIDE ON EQUIPMENT

with powered brushes and vacuum turbines



TurfBoy TB2
 The TurfBoy TB2 is powered by a 11.8 kW (16 HP) air-cooled petrol engine and is equipped with a rotating brush, a suction turbine and a screen with adjustable hole size. It is the most economical variant from SMG for the advanced maintenance of smaller, filled playing fields or tennis courts. Working width 2,400 mm.



CareMax CM2B
 The CareMax CM2B is powered by an air-cooled petrol engine with 16.4 kW (22.3 HP) and equipped with two triangular brushes underneath and the TurfKing TK1100 system on the rear. The fold up triangular brushes are hydraulically liftable such as the TurfKing rear attachment for max. ground clearance and easy transport. The CareMax CM2B is SMG's all-in-one solution for the Routine and Advanced Maintenance of full-sized synthetic turf fields and combines the most elementary work steps in one care process. Working width 2,400 mm.

ROUTINE AND ADVANCED MAINTENANCE

MULTI PURPOSE EQUIPMENT

with powered brushes, vacuum turbines and optional attachments



best-selling ride-on maintenance device for artificial turf!



SportChamp SC2/SC3

As a successor of the former CleanMatic CM800 the first SportChamp SC1 was delivered on December 19th, 1996. More than 2,500 sold units worldwide and the experience of 25 years in Routine and Advanced Maintenance make the SportChamp to SMG's unchallenged flagship in the maintenance equipment range. Currently 19 different attachments, mainly mounted on the front of the SportChamp, several different engine models, high and low dumping dust filter units with the strongest vacuum system in the market carry out all needed work of service contractors, installers, municipalities and sports clubs, on any kind of synthetic turf fields.

OPTIONAL ATTACHMENTS

with powered brushes, vacuum turbines and optional attachments



A wide range of attachments extends and speeds up all the necessary tasks for maintenance. Special devices are available for the SportChamp series to handle winter services and top-dressing of infill material, removal of leaves, loosening of extreme compaction and spraying of care products.

The application area of the SportChamp is enlarged by additional attachments for non-infilled artificial turf, synthetic sports surfaces or sidewalks.

Thereby the SportChamp SC2/SC3 is the multifunctional care and maintenance machine for your sports facility.

NEW: SC3 brush

ROUTINE AND ADVANCED MAINTENANCE

CLEANING MACHINE

for the cleaning of synthetic sports surfaces by high pressure water



WashMatic WM800

The WashMatic is powered by a 18.2 kW / 25 HP water-cooled diesel engine. The front attachment cleans synthetic sports surfaces, e.g. nonfilled artificial grass, jogging tracks, multi-purpose playing fields or similar surfaces by high pressure water. The spray pressure can be adjusted. The rotating spray lance works with up to 120 bar. The water requirement of 50 l/min is usually provided by the water supply of the sports facility. If the required amount of water is not available, the 300 liter water tank with integrated overflow valve can be used as a buffer. In this case, an external water pump requests the fresh water from the intermediate tank to the machine. The dirty water is discharged via a drain hose. The working width of the WM800 is 800 mm; 200 - 250 m² can be cleaned per hour. The 300 liter water tank, external pump and hoses are placed on a compact trolley. This can be easily lowered by a electric winch over the ramp and positioned as needed.

MOBILE PROCESSING PLANT

for the treatment, filtration and sludge dewatering of dirty water when cleaning synthetic sports surfaces



The WM800 cleans synthetic sports surfaces as filled artificial turf, running tracks, multi-purpose pitches or similar surfaces. The mobile treatment plant CM1800 has a multi-stage system that thoroughly removes harmful substances from the dirt water from the cleaning machine. These, along with metals and microplastics, are almost completely removed and the water is treated in such a way that it can be returned to the WM800 crystal clear and can be used again.



ClearMatic CM1800

When cleaning synthetic sports surfaces, a large number of contaminants are released, which can get into the environment via the waste water. These include larger particles such as granulate/fibre abrasions (microplastics) and other undesirable substances from deep-seated soiling. The WashMatic WM800 effectively removes this dirt from nonfilled artificial turf, jogging tracks, multi-purpose playing fields or similar surfaces. The cleaning process is also perfect in terms of the environment, because the waste water from the WM800 cleaning machine goes to the mobile "sister" system ClearMatic CM1800, from where it returns clean and water clear to the closed loop. The ClearMatic CM1800 is a compact and robust system consisting of 3 tanks with pumps, dosing stations and sophisticated process water control.

ROUTINE AND ADVANCED MAINTENANCE

BRUSHING EQUIPMENT

ATTENTION:
These machines are used for brushing
the fibre only.

ATTENTION:
These machines are used for retopping
with infill only.



OscillationBrush OS1700
PTO or hydraulically powered 3-point attachment to straighten up the fibre and to brush the infill material into the artificial turf system. The oscillating movement of the brush unit allows multi-directional work.
Working width: 1,700 mm.



Decompactor DC1000
Pull behind equipment for lawn mowers or tractors to loosen the infill of artificial turf. Areas of application are e.g. long-pile football turf and short-pile tennis turf. Two ground-driven spiked rollers with a special gear ratio loosen the infill material in the artificial turf and straighten its fibers. The working depth can be precisely adjusted using 4 adjusting spindles and 2 feeler rollers. The drawbar has a hitch / bracket combination, which means that the DC1000 can be pulled by various devices. The drawbar can be moved from the working position to the transport position. For transport purposes, the device can be completely lifted out over the chassis.



TurfTuner TT2000
The TurfTuner is used for loosening of infilled artificial turf and to straighten the fibres. It is equipped with a unique 3-point rear-mount type accessory which can also be used as a tow bar. This variable 2-in-1 tow-behind hitch enables the use with all commercially available utility tractors, ride-on tractors, golf cards, quads etc.



Triangle Brush DB1000F/DB1600F
The light, robust and foldable steel triangular broom and the brushes inside with a weatherproof plastic body are designed for efficient towing of synthetic turf. The DB1000F/DB1600F can be connected using a traverse, which means that the working range can be extended as required.
Working width: 1,000 mm / 1,600 mm

RETOPPING EQUIPMENT



Spreader SP1000
The ground driven 3-point tractor device with a capacity of 500 kg and a working width of 1,000 mm applies infill material to artificial turf.



BeltSpreader BS800
The ground driven, pull behind BeltSpreader BS800 with a capacity of 200 kg and a working width of 800 mm applies dry and wet infill material such as organic infill to artificial turf.



ManualSpreader HS800
The manual TopDresser HS800 with a capacity of 200 kg and a working width of 800 mm applies infill material to artificial turf.

ROUTINE AND ADVANCED MAINTENANCE

MEASURING EQUIPMENT

TestSet Turf

Tools for measuring the exact characteristics of artificial turf.

The Turf TestSet determines the filling level of filling material in the artificial turf and the total and free-standing fiber length of the artificial turf as well as the ball rolling behavior and the ball bounce height.

Turf TestSet consisting of:

- Transportcase, Art.-No. 6235060
- Foldable SMG Ballramp, Art.-No. 6234496
- Measuring bar, Art.-No. 3209410
- TurfTestTT200, Art.-No. 6234608
- FloorTest FT50, Art.-No. 6400104
- Soccer ball, Art.-No. 6235074
- Hockey ball, Art.-No. 6235076
- Pump, Art.-No. 6235083



Ballramp Premium

Foldable ball ramp to measure ball roll and ball bounce for soccer and hockey.



TurfTest TT200

Tool for measuring the exact characteristics of artificial turf.



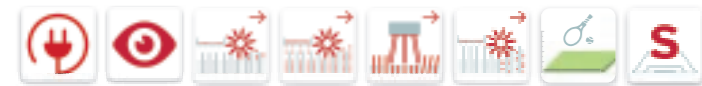
FloorTest FT50

Handy tool to measure the infill height of artificial turf systems.

ROUTINE AND ADVANCED MAINTENANCE

CLEANING MACHINES

for the cleaning of indoor tennis court surfaces with rubber granules



CarpetWonder CW95

CarpetWonder is a multi-functional machine for cleaning, picking up granulate from around the playing area, ball abrasion and other dirt particles, such as small stones, and for returning the exact quantity of granulate back to the carpet. This is all done by this special machine in one process. With its effective brush roller and working width, despite its compactness, the CarpetWonder is very easy to move and turn and therefore, far superior to other cleaning machines. The silent operation allows tennis teams on the neighbouring court concentrate on their match without being disturbed. Working width: 700 mm



TurfSoft TS/E

The electric drive, the rotary power brush, the vacuum turbine and the adjustable sieve are the features to do the workload of Routine and Advanced Maintenance on tennis, paddel tennis and futsal courts. The manoeuvrable TurfSoft with its foldable handle is ideal for areas with little space to move, where stairs, steps and narrow doorways complicate the access to the pitch. Working width 800 mm.



BRUSHING EQUIPMENT

TriangleBrush DB1000F/DB1600F	✓	-	-	-	-
TurfTuner TT2000	✓	-	-	✓	-
Decompactor DC1000	-	-	-	✓	-
OscillatingBrush OS1700	✓	-	-	-	-

RETOPPING EQUIPMENT

ManualSpreader HS800	-	-	-	-	✓
Spreader SP1000	-	-	-	-	✓
BeltSpreader BS800	-	-	-	-	✓

ROUTINE MAINTENANCE

TurfCare	✓	✓	✓	✓	-	-
TurfBoy TB1	✓	✓	✓	-	-	-

ADVANCED MAINTENANCE

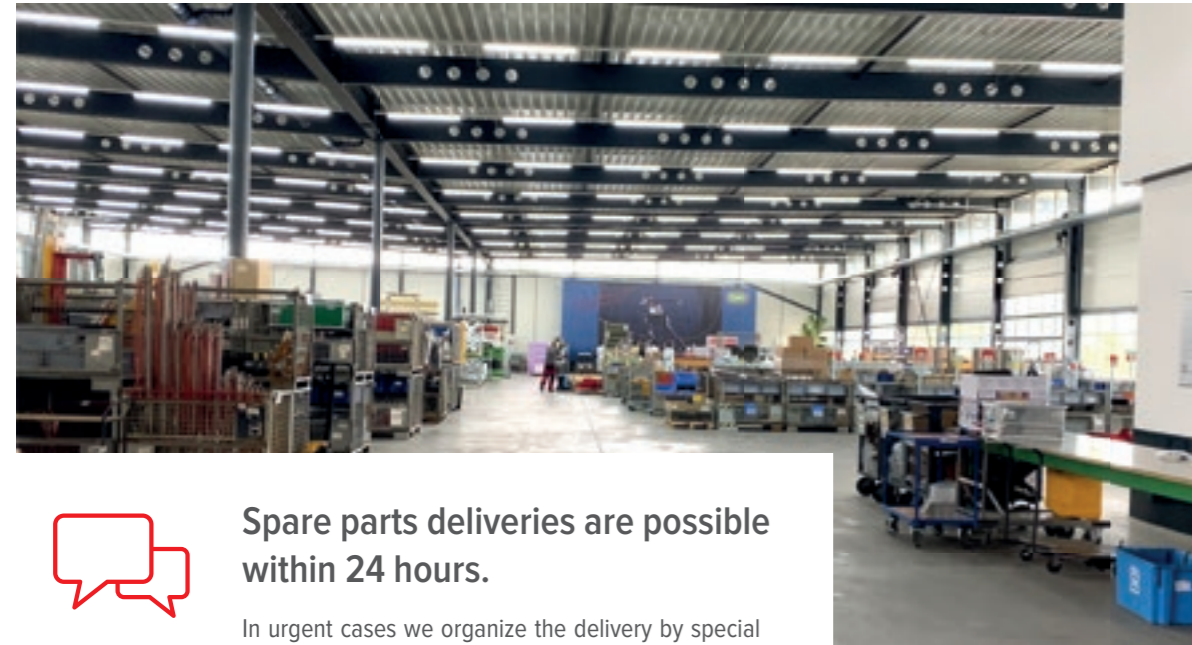
TurfBoy TB2	✓	✓	✓	✓	-	✓
TurfKing	✓	✓	✓	✓	-	✓
CareMax CM2B	✓	✓	✓	✓	-	✓
SportChamp SC2/SC3	✓	✓	✓	✓	✓	✓

Key: ✓ = possible - = must be done manually, by additional equipment or by external service / contractor

History

Today, our company offers a world-wide unique range of machines.

Equally unrivaled is our competence and experience as a pioneer in the field of controlled recycling of artificial turf and synthetic tracks. Ask us - we know what works and how. We create and produce our demand-oriented and high-performance solutions in the Bavarian town of Vöhringen on an area of 10,000 m². All products that leave our home are easy to use and prove themselves in all climates around the globe.



The state-of-the-art logistics center

ensures fast access times for daily shipments of machines and spare parts. All spare parts of the current product range and common wearing parts of SMG machines back to the 1970s are always available. The complete standard machine program from SMG is also available from stock.



Spare parts deliveries are possible within 24 hours.

In urgent cases we organize the delivery by special trip on the same day.

Company

Consultation

Friendly, multilingual and competent staff will advise you by phone, email, fax or on site. Through the global network of SMG representatives, we are close to you. From our location in Germany, our well-trained team supports you from 6:00 am to 6:00 pm on weekdays. The sale Europe/overseas and our service technicians are available 24 hours by phone. In our exhibition hall our machines are ready for your visit. Test drives, demonstrations and machine training courses are available at any time upon request. Nationally and internationally, SMG products are regularly shown at trade fairs.

Service in-house

The production capacity in Germany will be sustainably expanded and occupies 2,200 square meters. A repair station specially designed for emergencies makes repairs possible within a few hours. Defective SMG machines we make ready for use again even during the high season. From 2020, we will expand our metal construction in-house, which will make us even more flexible through its direct networking with production. In the near future, we will have three times the number of welding workplaces with state-of-the-art welding processes. Precision work is ensured by the 6 KW laser cutting machine with automatic material tower and a fully automatic folding bench with automatic tool change.

Service Onsite

Our customers benefit from the expertise of our technicians. For machine training, we send our trained personnel directly to your construction site. Through close cooperation with material manufacturers for plastic granulates, artificial turf or polyurethanes and long-term cooperation with leading construction companies, we can provide competent contacts. Whether project consulting, material selection, realization of facilities and/or support of your construction site - our connections are your advantage. For help with engines, compressors or electrical components, we are happy to arrange service points in your area – even after the expiry of the warranty.

Family Business

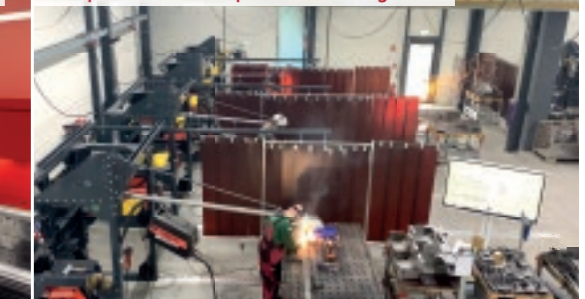
Customers trust us because we offer more than the best possible technical solution. It is of particular concern to our family business that the human component in the business is appreciated. That's why we are proud of the dedication and passion of our knowledgeable workforce, proud of your loyalty and in our customer-conscious sales and service teams. **You can rely on SMG.**



View through the new metal construction



State-of-the-art 6 kW laser cutting system





passion for sports grounds

SMG Sportplatzmaschinenbau GmbH

Robert-Bosch-Straße 3

DE - 89269 Vöhringen (Germany)

Tel + 49 (0) 73 06 / 96 65 - 0

Fax + 49 (0) 73 06 / 96 65 - 50

info@smg-machines.com

www.smg-machines.com

Owners:

Markus Owegeser, Tobias Owegeser, Daniel Owegeser

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