THE ART OF ARTIFICIAL TURF MAINTENANCE

Made in Germany

SMG passion for sports grounds
SMG - PIONEER & LEADER IN ARTIFICIAL TURF MAINTENANCE EQUIPMENT

Besides our 40 years of experience as manufacturer of running track installation and renovation equipment, we also look back to 20 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**

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.

### ROUTINE MAINTENANCE
- Inspection of Lines / Seams
- Decompacting
- Seasonal Maintenance
- Deep Cleaning / Vacuuming
- Treatment against moss
- Brushing of the Fibre

### ADVANCED MAINTENANCE
- Levelling / Redistribution of the Infill
- Retopping
- Top Cleaning of the Surface
- Seasonal Maintenance
- Treatment against moss
ROUTINE MAINTENANCE

Self ground driven rotary brushes and adjustable sieves are the features of the Routine Maintenance equipment range. Picked up infill material is cleaned from debris and is returned evenly. A constant amount of infill material in the sieve tray is the keypoint of the redistribution process and ensures a perfectly levelled pitch.

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 100 mm; 1400 mm; 2000 mm.

RIDE ON EQUIPMENT

with ground driven rotary brushes

TurfBoy TB1

Powered by a 2-cylinder 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 device for the Routine Maintenance of any kind of smaller infilled synthetic turf pitches. Working width 700 mm.

CareMax CM1

Powered by a 3-cylinder 17 HP water-cooled diesel engine and equipped with three foldable ground driven rotary brushes the CareMax CM1 combines compact dimensions with max. working performance for the Routine Maintenance of futsal courts or fullsize fields with any kind of infill.
ROUTINE + ADVANCED MAINTENANCE

Powered rotary brushes, adjustable sieves and vacuum turbines are the features of the Advanced Maintenance equipment range. Picked up infill material is cleaned from dust and debris and is returned evenly. Because of the redistribution and levelling of the infill, decompacting and retopping with manual or attached spreaders complete the program.

- Inspection of Lines / Seams
- Levelling / Redistribution of the Infill
- Top Cleaning of the Surface
- Decompacting
- Retopping
- Deep Cleaning / Vacuuming
- Treatment against moss

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 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
The 3-point rear-mount type accessory for compact tractors goes with any kind of tractors with a power of at least 20 HP and does all required work of Routine and Advanced Maintenance, especially on futsal and tennis fields. The selfcleaning polyester filter cartridges of the vacuum system are designed for long-lasting use and are dedusted continuously. Working width 1,500 mm.

CareMax CM2B
The ride-on CareMax CM2B is powered by a 22 HP water-cooled petrol engine 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 fullsized synthetic turf pitches such as futsal and tennis courts. Working width 2,400 mm.

TurfBoy TB2
Powered by a 16 HP air-cooled petrol engine and equipped with a rotary power brush, a vacuum turbine and an adjustable sieving the TurfBoy TB2 is SMG’s economical ride on machine for the Routine and Advanced Maintenance of any kind of synthetic crumb rubberized synthetic turf pitches such as futsal and tennis courts. Working width 900 mm.
Routine + Advanced Maintenance

CareMax CM2D

More than ten different rear attachments such as infill spreaders etc. make the CareMax CM2D a multifunctional ride-on tractor for all kind of work of Routine and Advanced Maintenance and more. Powered by a 17 HP water-cooled diesel engine and equipped with easy controls and a working width of 2,400 mm SMG’s CareMax CM2D is suitable for service contractors such as installers.

MULTI PURPOSE EQUIPMENT

with powered brushes, vacuum turbines and optional attachments

SportChamp SC2/SC3

As a successor of the former CleanMatic CM800 the first SportChamp SC1 was delivered on December 19th, 1996. More than 1,500 sold units worldwide and the experience of 20 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

A wide range of attachments extends and speeds up all the necessary tasks for maintenance. Special devices are available for CareMax and 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.

Therefore the SportChamp SC2/SC3 and the CareMax CM2D are the multifunctional care and maintenance machines for your sports facility.
**TriangleBrush DB1600**
Triangular brush for the brushing of the fibres of artificial turf. Tow bar with removable draw bars and four transport rollers make the handling easy. Working width 1,600 mm.

**TurfTuner TT1600**
Tow behind device for the decompacting and brushing of artificial turf. The 3-point hitch fits all commercial tractors and makes transport easy. The working width of 1,600 mm is adjustable and tines can be replaced on request / if necessary by rows of brushes.

**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.

**BeltSpreader BS800**
The ground driven, pull behind BeltSpreader BS800 with a capacity of 200 kg and a working width of 800 mm applies infill material 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.

**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.

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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.

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

**ATTENTION:**
These machines are used for retopping with infill only.
## MEASURING EQUIPMENT

**TestSet**

Transport case with FloorTest FT50 and PlanoTest PT2 to measure the infill height and the evenness of artificial turf systems.

**Ballramp**

Foldable ball ramp to measure ball roll and ball rebound. Available for soccer and as a 2 in 1 version for soccer and hockey.

**FloorTest FT50**

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

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### BRUSHING EQUIPMENT

**TriangleBrush DB1600**

✓ — — — — —

**TurfTuner TT1600**

✓ — — ✓ — —

**OscillatingBrush OS1700**

✓ — — — — —

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### RETOPPING EQUIPMENT

**ManualSpreader HS800**

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**Spreader SP1000**

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**BeltSpreader BS800**

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### ROUTINE MAINTENANCE

**TurfCare**

✓ ✓ ✓ ✓ — —

**TurfTuner**

✓ ✓ ✓ — — —

**CareMax CM1**

✓ ✓ ✓ — — —

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### ADVANCED MAINTENANCE

**TurfBoy TB1 and CareMax CM1**

✓ ✓ ✓ — — —

**CareMax CM2B**

✓ ✓ ✓ ✓ — ✓

**CareMax CM2D**

✓ ✓ ✓ ✓ ✓ ✓

**SportChamp SC2/SC3**

✓ ✓ ✓ ✓ ✓ ✓

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**Key:**

✓ = possible
— = must be done manually, by additional equipment or by external service / contractor
Our production programme is the result of more than 40 years of experience. Since the early days of SMG in 1975 we produce classical devices for the installation of sports tracks & fields and soon paved the way for maintenance equipment, too. Already in the 80s equipment for indoor tennis courts with carpet and granule infilling was successfully developed by SMG. This technique has proven to this day for artificial turf and has been continuously adapted and refined to the ever-developed sports fields. To meet the high cost of artificial turf, namely to protect the investment with the longest possible duration, we offer a worldwide unique machinery and equipment programme.

For each sports facility, we have the right solution. By the way, a majority of the featured equipment can be used by simple conversion measures for the maintenance of unfilled artificial turf. For the maintenance of pure synthetic surfaces such as running tracks, we recommend only machines from the series SportChamp.