

# TERRA RAKE TERRA GROOM TERRA BRUSH TERRA CLEAN

**Regular maintenance – the most important prerequisite for many years of use for all infilled artificial turf grounds.**

From the first day, artificial turf is subject to environmental influences. Dust, blossom pollen, foliage, plant rests, dirt, pebbles, animal faeces and wear debris, if not regularly removed, soils the artificial turf and leads to compacting. The consequence is inadequate water permeability. The pitch becomes covered with algae and moss and can no longer be played as desired. Water-impermeable slimy layers are formed which significantly increase the danger of skidding. Simultaneously, the ball bounce characteristics are lost, significantly impairing the playing operation. Dirt such as paper, cigarettes, pieces of broken glass, plastic parts, safety pins and bottle caps is not only unsightly, but can also bear a high potential of injury.

With our special artificial turf maintenance equipment, the pitches are rebrushed for cleaning, the fibres loosened and refilled. Subsequently the pitches are ready for sport again, in a state practically as good as new.

**The advantages at a glance:**

- Preservation of the sport functional characteristics
- Preservation of water permeability, thereby permitting faster playing operation after rain
- Preservation of the surface elasticity, thereby protecting ligaments and joints
- A plus in game enjoyment
- Extended operational life of the surface

**Tips for the correct maintenance of artificial turf areas:**

- The frequency of the individual maintenance measures depends on the environment, degree of soiling, state and age of the artificial turf surfaces.
- A good-for-all blanket procedure cannot be recommended. Therefore please coordinate your maintenance measures with the respective surface manufacturers.

**Solutions as different as the seasons.**

Whether spring, summer, autumn or winter – whether professional turf and golf course maintenance, dirt cleaning, or snow removal service: you can rely on machines from Wiedenmann GmbH in every season.

As one of the world-wide leading manufacturers of high-quality accessory equipment for compact tractors and light municipal vehicles, we offer demand-driven solutions for turf regeneration, take-up and removal of grass and foliage, mowing and turf sweeping, as well as snow and dirt sweepers, snow-rake blades and winter gritting equipment.

Our workforce of 245 has regularly set new standards with regard to innovative technological solutions and uncompromising quality.

## LABOSPORT

**Excerpt from the test report:** „It can be clearly recognized that the three operations with special **WIEDENMANN** machines for the maintenance and repair of artificial turf sports areas provide a versatile use enhancement with respect to maintenance and „safer“ playability“. The entirety of physical measurements conducted on the artificial turf surface of the sports facilities **GUY BONIFACE in ELANCOURT** to determine the mechanical performance capability of the three special **WIEDENMANN** machines show that in order to guarantee „continual playability“ of such areas, the use of machines especially conceived for this purpose is **absolutely necessary**“.



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**For the rapid, efficient collection of surface debris such as foliage, paper, tree seeds, pieces of broken glass, plastic parts and other foreign bodies.**

The semi-mounted TERRA CLEAN, driven by the PTO-shaft, is mounted at the rear 3 point cat. I of the towing vehicle. The TERRA CLEAN M with engine is attached with a swinging drawbar. The working depth is adjusted via slit spacer rings on the front contact wheels which are lifted for transport travel with the rear 3-point position of the tractor. Dirt is taken up with the special sweeping brush driven by the power shaft (for the TERRA CLEAN M by means of an engine), which throws the dirt and some of the surface infill material on a large riddle screen (Ø 6 mm). The dirt is separated from the reusable infill material with the sieving procedure and collected separately. After the sieving procedure, the infill material is immediately resupplied to the artificial turf pile. The shuttling suspended follow-up brush of the standard model distributes infill material that has been restored to the turf and equalises the driving lanes.

**Accessories (option):**

Lighting equipment, mesh filter insert (Ø 8 mm or Ø 5 mm), set closed dirt collection (without sieving function)

**Treatment interval:**

Use as soon as surface dirt (e.g. foliage, tree seeds, stones, bottle caps etc.) is detected. Repeated use each week is possible.

TECHNICAL DATA	TERRA CLEAN M	TERRA CLEAN
Dimensions L/W/H in cm:	252 / 150 / 120	230 / 150 / 120
Working width in cm:	120	120
Drive:	Honda GX240 gasoline 5.4 kW / 7.2 HP	PTO-shaft 540 RPM
Transport width in cm:	150	150
Attachment (semi-mounted):	drawbar trailed	rear-3-point cat. I
Container capacity in litre:	100	100
Back tyres bogey:	11 x 7	11 x 7
Front tyres contact wheels:	11 x 7	11 x 7
Air pressure in bar:	2	2
Weight in kg:	440	360

Descriptions and illustrations are not binding. Changes in design and execution are possible.



## TERRA RAKE



Relief Kit



16 mm Row Spacing



Five Row Tine Arrangement

For the rapid and efficient loosening of sand, rubber granulate and other infill materials.

The TERRA RAKE features sturdy construction and a long service life. It can be attached to the tractor's rear 3-point hitch (cat. I and O) with approx. 18 kW (24 hp). High driving speed strongly vibrates the parallelogram-suspended aeration tines which loosen the infill material. The special spring steel tines are arranged in five rows. Despite the narrow row spacing of 16 mm between the rows, there is still sufficient space for work without obstruction. The so-called relief kit allows the operator to sensitively adjust the desired depth of penetration of the aeration tines with the spring relief of the tine rows.

**Treatment interval:**

At least once weekly for regular playing frequency. Daily use is possible.

**TECHNICAL DATA**

Length of 3-point trailed in cm:	85
Height in cm:	88
Working width in cm:	160 / 210
Transport width in cm:	197 / 247
Mounting:	rear 3-point cat. I and O or trailed with carriage
Weight of 3-point cat. in kg:	178 / 213

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## TERRA GROOM



Bogey



Granulate Aeration Brush



Magnet Strip

For brushing in sand and rubber granulate, straightening artificial turf fibres and levelling the surface.

The TERRA GROOM multifunctional brush is optionally available with rear 3-point hitch for tractors or with carriage and drawbar for attachment to utility vehicles. The trailer is lifted electrically. Thanks to the reliable results it produces, the TERRA GROOM improves the rolling characteristics of the ball and reduces the risk of injury. The multifunctional brush consists of three special brush rows. Two rows work transversal to the direction of travel and one row is mounted in zigzag alignment, allowing an optimal longitudinal and transverse distribution of the applied materials. The brush rail can be rotated in order to achieve a more uniform wear of the special brushes. The TERRA GROOM is especially easy to pull because of its low weight and the reduced brush count.

**Accessories (option):**

Granulate aeration brush set, magnet strip for collecting dangerous metal objects, ball hitch attachment

**Treatment interval:**

At least once weekly for regular playing frequency. Daily use is possible.

**TECHNICAL DATA**

Length of 3-point hitch trailed in cm:	98
Height in cm:	60
Working width in cm:	188
Transport width in cm:	188
Mounting:	rear 3-point cat. I or trailed with carriage
Bogey tyres:	13 x 5.00
Carriage lifting:	electric (12 V)
Weight of 3-point mounting in kg:	90
Weight of carriage mounting in kg:	118

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## TERRA BRUSH



Bogey



Spring Tine Comb



Magnet Strip

For brushing sand and rubber granulate, straightening artificial turf fibres and levelling the surface.

The TERRA BRUSH is optionally available for attachment to the tractor's rear 3-point hitch or as a trailed version with carriage and drawbar for utility vehicles. The bogey can be lifted hydraulically or electrically. The special zigzag alignment of the individual brushes achieves a uniform distribution of the infill material which improves the rolling characteristics of the ball and reduces the risk of injury. If required, the TERRA BRUSH can additionally be furnished with a spring tine comb in order to loosen and level the surface in a single passing. If the bristles have worn out after extended use, the 3-point mounting frame or the drawbar can be mounted in the opposite direction, ensuring a uniform and thus cost-saving brush wear.

**Accessories (option):**

Spring tine comb for loosening the granulate, magnet strip for the collecting dangerous metal objects

**Treatment interval:**

At least once weekly for regular playing frequency. Daily use is possible.

**TECHNICAL DATA**

Length of 3-point trailed in cm:	145
Height in cm:	67
Working width in cm:	185
Transport width in cm:	196
Mounting:	rear 3-point or trailed with carriage
Bogey tyres:	16 x 6.5
Carriage lifting:	hydraulic (min. 140 bar) or electric (12 V)
Weight of 3-point mounting in kg:	180
Weight of carriage mounting in kg:	240

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