



# Machines for Synthetic Turf



# Redexim



## WELCOME

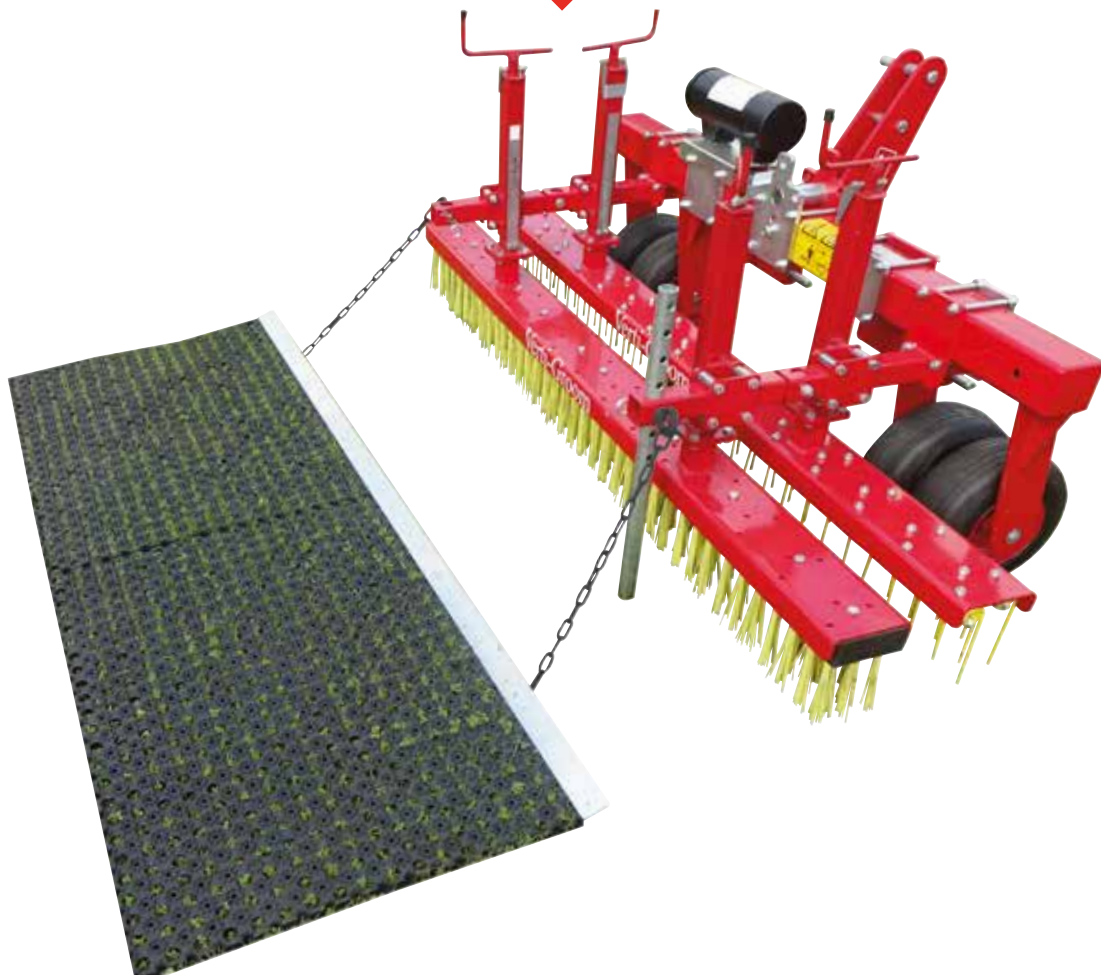
Redexim develops and manufactures machines for the maintenance of the turf on golfcourses, sportsfields, public areas and horse race tracks. It started for the company in 1978 with the invention of the Verti-Drain deep tine aeration machine, which was revolutionary at that time. Over time Redexim developed into a company manufacturing a wide range of specialized machines for the maintenance of the turf, such as

overseeders, topdressers, sweepers, scarifiers, brushes and of course aerators. More recently, Redexim has been producing machines for sports fields made of artificial turf.

Redexim has a distribution network over more than 100 countries, and has its own offices in Australia, China, the UK and the USA, aside from its headquarters in the Netherlands.

## CONTACT US FOR A DEMONSTRATION

**Our commitment is to fully satisfy the needs of our customers. For immediate assistance contact us at:**  
**[verti-drain@redexim.com](mailto:verti-drain@redexim.com)**



# Verti-Art® Range of Synthetic Turf Maintenance Machines

A common misconception is that synthetic turf requires little maintenance, but regular attention is vital to ensure optimum playing performance and durability. This can be achieved with the Verti-Art range of synthetic turf care equipment, manufactured by Redexim-Charterhouse.



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## Artificial intelligence at St. George's Park

Alan Ferguson is Head of Grounds and Estate at St. George's Park; The National Football Centre of English football (The FA). Alan was previously Head Groundsman at Glasgow Rangers and Ipswich Town FC, where he won the Groundsman of the Year award five times in his respective league.

"As Head of Grounds and Estate at one of the world's top training venues a vital part of my job is to ensure we partner companies with a like-minded, forward thinking philosophy to match our own.

The team at Charterhouse Redexim more than meet this requirement and together I believe we have moved the maintenance of both synthetic and hybrid pitches on to the next level. The advent of the Redexim Charterhouse Carrier is testament to the positive out of the box thinking employed by the Redexim team and has allowed us to step up the frequency of our daily maintenance to meet the continued demand from the



Alan with the Verti-Top 1800 and the Verti-Comb 4000 he uses on his synthetic turf pitches

various teams from across the world who use our facilities. I have felt for some time that, as turf managers, having the possibility and ability to reduce the weight exerted by from machinery while working on the hybrid or synthetic fibre

would significantly improve the playability of both surface types. Visiting the design team at the Redexim HQ in Zeist in Holland only inspires you to think out of the box. Easily the best part of all my visits to Zeist is meeting

with a creative and forward thinking group of guys. Redexim will be a key partner across all our tTurf programmes here at the FA for some time to come".



Compaction will inevitably occur on filled synthetic surfaces, this will make the surface harder to play on, give unrealistic playing characteristics, become dangerous and will have an impact on the carpets lifespan. It is imperative to use spring tines (rakes and pins) and brushes to loosen the infill mix. This process keeps the fibres upright allowing them wear from the top down and playing characteristics maintained.

Model	Verti-Groom	Verti-Groom Extended Version
Working width	2.0m(79")	2.0m(79")
Weight	150kg (330lbs)	223kg (491lbs), (268kg (590lbs) with magnet)
Tractor required	14hp+200kg lift cap.	20hp+280kg lift cap.
Dimensions	50x200x90cm	125x200x90
Number of rakes/pins	45xØ5/66xØ3mm	45xØ5/66xØ3mm

Optional items: **Verti-Groom:** Brushkit + towed version (mechanically) incl. drawbar



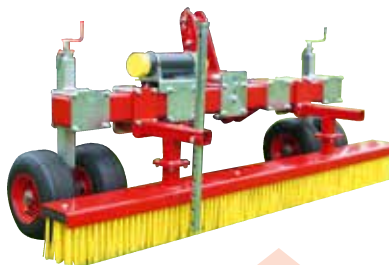
Optional ø3mm pins



## Verti-Groom

ø5mm rakes

The Verti-Groom is equipped with fine and flexible steel rakes (3 rows of Ø 5mm) or optional steel pins (2 rows of Ø 3mm) which gently loosen and break up compacted areas. They straighten and lift the turf fibres, leaving them plush and upright for a soft and level playing surface.

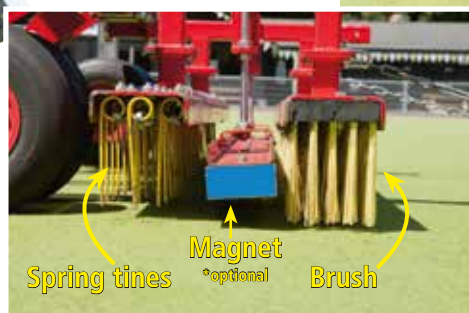


Optional-photo left: the mounting beam with rakes or pins can be exchanged for a beam containing a brush (L). Also a frame containing 3 brushes can be attached at the rear (R).

## Verti-Groom Extended Version



The Verti-Groom Extended Version is the ideal decompaction machine and a combination of a beam with steel rakes, followed by a beam with a brush, while a rubber mat at the rear spreads the infill evenly. A magnetic beam can be added to pick up ferrous material.



Spring tines Magnet <sup>optional</sup> Brush



# brushes+springtines

Model	Base-Rake	Verti-Comb 1800	Verti-Comb 4000	Verti-Rake Pro 200	Verti-Rake Pro 200	Verti-Rake Pro 200	Verti-Rake Pro 200
Working width	1.45m(57")	1.8m(71")	4.0m(157")	2.0m(79")	3.0m(118")	4.5m(177")	6.0m(236")
Weight	76kg(167lbs)	104kg(229lbs)	220kg(484lbs)	220kg (485lbs)	317kg (699lbs)	550kg (1213lbs)	610kg (1345lbs)
Tractor required	16hp+450kg lift cap.	18hp+200kg lift cap.	25hp+450kg lift cap.	10hp+225kg lift cap.	20hp+280kg lift cap.	25hp+430kg lift cap.	40hp+600kg lift cap.
Dimensions	60x150x85cm	115x180x85cm	115x400x85cm	175x200x90cm	175x295x90cm	175x295x165cm	175x295x246cm
Number of rakes/pins	100	* (optional)	* (optional)	168	240	360	480

**Optional items:** **Base-Rake:** Drawbar + transport wheelkit  
**Verti-Comb:** Magnetic kit / Steel pins section front + rear / Drawbar + transport wheel kit (lift: mechanical or hydraulic or electrical) / Hydraulic lift kit  
**Verti-Rake Pro 200:** Brushkit + towed version (mechanically) incl. drawbar

## Base-Rake

The Base-Rake utilises flexible steel tines, mounted between 2 brushes and these decompact the infill. Weights can be added to improve penetration.

The Base-Rake with the optional Drawbar + transport wheelkit.

## Verti-Comb

Model 1800  
Steel rakes rear\*

The Verti-Comb is designed for brushing and decompacting large areas of turf quickly and efficiently. Foldable side wings can be added to the standard Verti-Comb 1800 model converting it into the model 4000 (4.0m working width).

Model 4000  
Drawbar\*  
Steel rakes front\*  
Transport wheel kit\*  
Magnet\*

Several options can be added, these include steel front or rear pins for decompaction, a magnetic strip for picking up steel debris, and a transport wheel kit with drawbar, which makes it possible to pull the Verti-Comb with any vehicle.

The Verti-Comb 4000 is foldable resulting in a total width of 2.22m in transport position. \* = optional items

## Verti-Rake

If more intensive decompaction is required than the Verti - Groom can offer, then the Verti - Rake should be used. The Verti - Rake decompacts the surface using Ø 6mm diameter spring loaded flexible tines.

Verti-Rake Pro 450H unfolded  
Verti-Rake Pro 450H folded



As the infill material is mobile, invariably it will move around through the footfall and playing characteristics many sports demand. It is crucial that this infill material is redistributed evenly and undulations are not able to form. This not only protects the carpet fibre but also ensures the surface is safe.

Model	Verti-Broom 185	Verti-Broom 240	Verti-Broom Walk behind	Verti-Brush	Court-Top 1200	Court-Top 1500
Working width	1.85m(73")	2.4m(94")	1.0m(39")	1.5m(59")	1.2m(47")	1.5m(59")
Weight	50kg(110lbs)	75kg(165lbs)	36kg(79lbs)	170kg(374lbs)	85kg(187lbs)	105kg(231lbs)
Tractor required	10hp	10hp	-	13hp with double acting valve + 10ltr min. at 70bar	5hp	5hp

Optional items: **Verti-Broom:** two transport wheels

## Verti-Broom



Model 240 has a large working width of 2.4m



Optional transport wheels can be added



The hand pulled Verti-Broom WB weighs 36kg and has a working width of 100cm.

For brushing and striping of turf, nothing beats the proven Verti-Broom. The highly effective triangular arrangement of the brushes will straighten and groom each grass blade. The soft, long wearing brushes quickly and efficiently brush surface infill to an even and level finish.

## Verti-Brush



The 5 counter rotating brushes turn at high speed.



The Verti-Brush quickly and effectively levels and distributes topdressing material with powerful hydraulic brushes. The 5 counter rotating brushes can easily reach to the base of the turf to loosen and evenly redistribute fill or can be applied to mix and level a new application.



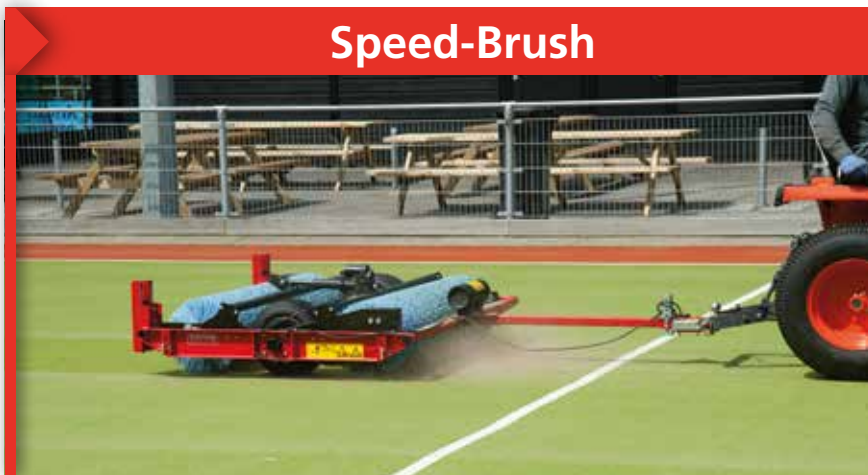
soft brush  
levelplate  
firm brush

The Court-Top consists of firm brushes at the front, for decompacting the Infill. A plate levels the infill brought to the surface, followed by a soft brush at the back which stands the fibres upright. The Court-Top is available in 1.2m or 1.5m working widths.

## Court-Top



Model	Speed-Brush
Working width	140cm (55")
Weight	181kg(398lbs)
Total length with hitch	269cm (107")
Tractor required	10HP with 12Volt + electric connection
Optional items: Softer brushes	



Optional softer brushes are available

The Speed-Brush is a towed brushing machine, containing two round brushes which rotate in the opposite direction of travel. Thus sand + infill is effectively brushed into the turf surface, and excessive Infill is transported over large distances to low areas. This process lifts the fibres and relocates infill to support these fibres.



Model	Side-brush
Working width (telescoped)	114cm (45")
Weight	110kg(242lbs)
Tractor required	18-35hp with double acting hydraulic valve + min. 6ltr /min. + 3-point hitch cat. 1 + min. lifting capacity of 160kg (330lbs)
Speed	Max. 12km/h (7.4mph) depending on ground conditions
Dimensions (lwxh)	131x83.5x75cm (52x33x30")
Standard items: adjustable brush arm, - storage stand	



The Side-Brush contains a firm rotating brush, that decompacts the infill along the hard to reach sides and edges of the field.



The 15mm thick Rubber Dragmat is ideal to rub in sand and rubber infill. It can be hand-pulled, or towed behind a vehicle.



Model	Rubber Dragmat
size	Weight
150x100cm	18kg (40lbs)
300x100cm	34kg (75lbs)
300x150cm	51kg (112lbs)





The Infill material used in synthetic turf must be kept level for a consistent playing field and the upper carpet fibres have to remain free of litter and organic material to avoid the accumulation of dirt and bacteria, as well as harmful materials such as glass or other debris.

Model	Speed-Clean	Verti-Clean Pulled	Verti-Clean Pto driven	Model	Verti-Top Vac1500	Verti-Top Vac1200	Verti-Top Vac1800	Verti-Top Vac Tow behind
<b>Working width</b>	1.67m(66")	1.5m(59")	1.5m(59")	<b>Working width</b>	1.5m (59")	1.2m (47")	1.8m(71")	1.45m(57")
<b>Working depth</b>	0-20mm	0-20mm	0-20mm	<b>Capacity hopper</b>	76ltr	64ltr	96ltr	70ltr
<b>Speed</b>	12km/h	12km/h	12km/h	<b>Speed</b>	Up to 5 km/h (1.8mph)			
<b>Weight</b>	200kg(440lbs)	109kg(240lbs)	115kg(253lbs)	<b>Weight</b>	100kg (220lbs)	358kg (789lbs)	433kg (955lbs)	300kg(660lbs)
<b>Tractor required</b>	18hp + 250kg lift capacity	12hp + 150kg lift capacity	12hp + 150kg lift capacity + pto	<b>Tractor required</b>	22hp + 100kg lift cap.	20hp + 360kg lift cap.	25hp + 500kg lift cap.	no; is pulled unit with 6½ hp engine
<b>Dimensions</b>	191x90x185cm	170x108x70cm	170x108x70cm	<b>Dimensions</b>	158x140x90cm	158x140x90cm	158x140x90cm	140x170x100cm

**Optional items:** Speed-Clean: Rubber dragmat + springtines / Verti-Clean pulled: towed version at rear incl. drawbar

The Speed-Clean is a combined cleaning and de-compaction machine, designed to clean artificial turf fields on a weekly base. The fast and robust machine collects the debris and throws this on a vibrating sieve. The crumb rubber filters through the holes of the sieve back on the field. Steel pins drag through the infill, and thus the fibres are being pulled into a vertical position, resulting in a soft and elastic pitch.



## Speed-Clean

## Verti-Clean



The Verti-Clean picks up surface debris with a rotating brush, which throws it on a vibrating sieve. The sieve filters infill material back on to the playing surface, while retaining the debris. Both the rotating brush and the vibrating sieve are powered by the movement of the machine.



The PTO driven version of the Verti-Clean makes it easier to remove larger amounts of dirt, litter and debris as the rotary speed of the brush can be varied.



The lightweight hopper with debris can easily be removed for emptying



### Verti-Top Vac



The Verti-Top Vac is a cleaning machine, in which a vacuum cleaning mechanism has been incorporated. While the vibrating mechanism is collecting the larger debris partials, the vacuum system removes the fine material, such as dust, hair and the like into a washable filter bag.



After only a few hundred meters, the dustbag already contains a few dense clumps of dirt, hair, trash and dust.

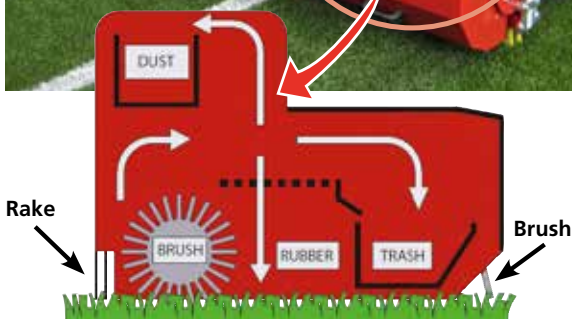


There are optional sifting screens (sieves) available for various infill sizes.

### Verti-Top Vac 1800



### Verti-Top Vac 1200



The Tow Behind Verti-Top Vac utilises the same innovative cleaning technology as the tractor mount version by quickly and effectively removing debris from the surface while gently brushing and grooming the turf fibres. All material that is brought up is sifted out on a vibrating shaker screen with the clean infill being returned to the turf and the debris sifted into two easy-to-empty bins.

### Verti-Top Vac TowBehind



The optional towed magnet picks up metallic debris.



The Tow-Behind Verti-Top Vac is equipped with a quiet and powerful 6½ hp engine. This machine can be used with any power unit – from a golf cart to a riding lawn mower.



Model	Verti-Top Walk behind	H-Cleaner	X-treme Clean 1200	X-treme Clean 1800
Working width	0.87m(34")	1.4m(55")	Width 1.2m (47")	Width 1.8m (71")
Weight	175kg(385lbs)	150kg(330lbs)	Weight 225kg (495lbs)	Weight 300kg (660lbs)
Capacity hopper	30ltr	40Ltr	Number of brush. 6	Number of brush. 9
Tractor required	is self-driven with 6½ hp engine	18hp + 300kg lift cap.	Tractor required 18hp	Tractor required 25hp
Dimensions	110x110x133cm	105x158x80cm	Number of rotors 2	Number of rotors 3



## Verti-Top WB

The Walk-behind Verti-top is self-driven and powered by a 6½ hp engine. It is ideal to clean small areas.



The width of the Verti-Top WB can be narrowed to 87cm enabling it to pass through small passways.

The H-Cleaner is a cleaning machine for field hockey pitches. On a artificial hockey surface fibres are densely packed, and sand supports the fibres for part or all of the pile depth. The H-cleaner contains a special designed brush, which is able to penetrate through the densely packed fibres. Thus it picks up the debris form the bottom of the carpet. Regular use of the H-cleaner will prevent the development of algae. As the H-cleaner is pulling up the fibres, the result is an improvement of the shock absorption and the surface rebound, and sand is brought further away from the playing surface.

The H-cleaner is also suitable for use on water-based pitches, which contain shorter fibres.



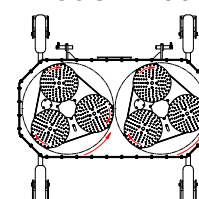
## Hockey-Cleaner



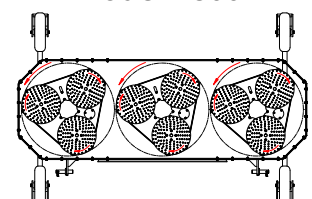
## X-Treme-Clean

The X-Treme-Clean decompacts the toughest of sand based surfaces. The machine uses firm brushes designed to penetrate the compacted surface, these are mounted on separate heads which intern rotate in opposite directions. The carpet is decompacted bringing the infill to the surface to be removed, cleaned or worked back into the fibres. The X-Treme-Clean is ideal to regenerate tennis courts, sand-filled football fields and hockey fields.

Model 1200



Model 1800





# SPECIALIZED SURFACE TREATMENTS

## Steel Dragmat: eliminating static electricity

The regular use of brushes on an artificial turf field results in the build up of static electricity in the fibres. As a result, infill moves upwards, and it is hard to work it back down in the carpet.



Model	Rubber Dragmat
size	Weight
120x180cm	12kg(26lbs)
180x240cm	35kg(77lbs)
240x240cm	47kg(103lbs)

Stainless steel scraper wire mats are being used to evenly distribute infill material, and to eliminate the static electricity in the fibres.

## Verti-Spray: spraying

Algae growth and moss can cause accidents and can be removed by using liquid (organic) weed killer.



The trailed Verti-Spray is an excellent tool for any turf spray application. Easily coupled to most tow vehicles, the 12 volt sprayer quickly disperses up to 300 liter disinfectants and other liquids such as static reducing mixes, or plain water to cool the playing surface.

Model	Verti-Spray
Tank size:	300 liter
Hitch Type:	adjustable chevis
Weight empty:	75kg(165lbs)
Required tow vehicle:	400kg tow capacity
Standard items:	boom sprayer/ swath 6m + trigger spraygun 5m hose.

## Snow-Blade 272: Snow-removing



The Snow-Blade 272 is the ideal snow remover for natural and synthetic turf sports fields. Capable of fitting relatively small tractors, the large blade is entirely galvanized, so that it will not corrode. The working height is accurately adjusted with the two spindles.

Model	Snow-Blade 272
Working width:	2720mm (107")
Weight:	135kg(297lbs)
Tractor required:	25hp min. with front 3-point linkage
Standard item:	A-frame Cat.1 included



The Redexim infill machines are ideal to fill artificial turf fields, with sand and infill during initial construction, but also for refilling existing pitches. A typical synthetic field loses 5-10% of its infill over a year.

Model Rink	SP950 walk-in-front	TB950 pulled	H1500 pulled	1005	1010	Utility Vehicle model	
	Self-propelled	towed	towed	3-point hitch version	towed	1204	1205
						for Cushman Turf Truckster	for John Deere Progator/ Toro Workman
Spreading width	0.95m (37")	0.95m (37")	1.5m (59")	1.50m (59")	1.50m (59")	1.80m (71")	1.80m (71")
Spreading thickness	0.3 to 10mm	0.3 to 10mm	2 to 25mm	0.3 to 10mm	0.3 to 10mm	0.3 to 10mm	0.3 to 10mm
Weight	280kg (616lbs)	190kg (418lbs)	180kg (397lbs)	200kg (440lbs)	270kg (594lbs)	300kg (660lbs)	300kg (660lbs)
Hopper capacity level	0.33m <sup>3</sup>	0.33m <sup>3</sup>	0.4m <sup>3</sup>	0.75m <sup>3</sup>	0.75m <sup>3</sup>	1.0m <sup>3</sup>	1.0m <sup>3</sup>
Tractor size	self-propelled 6.5hp engine B+S	Any pull vehicle	Any pull vehicle	25hp +: double acting hydraulic valve and min. oil supply of: 12l/min@120bar	20hp +: 12l/min@120bar		

**Optional items:** Auxiliary tank and pump unit (Rink 1010, 1210, 1520) / Own 13hp engine (Rink 1010, 1210, 1520) / 4 pivoting wheels (Rink 1520) / Dry sand plate (Rink 1204, 1205, 1005, 1010, 1210); 13hp engine + hopper extension kit + special infill kit (Rink 1010, 1210).  
Rink H1500: rear brush (20kg(44lbs))

## Rink SP950 walk-in front



The Rink SP950 contains a 6,5hp engine, and the weight of the machine is evenly distributed over 6 wheels in order to minimize ground pressure.



The Rink TB950 is a wheel driven topdresser and can be pulled by virtually any vehicle. The brush and conveyor belt are driven by the 4 wheels (or optional by 2 wheels), ensuring a consistent application rate.



A Quad or ATV easily operates the Rink TB950 pulled.

## Rink TB950 pulled





brush spreaders

Rink H1500



The Rink H1500 is a wheel driven spreader, ensuring a consistent application rate. The H1500 can be pulled by almost every vehicle. The pin drum allows rubber as well as sand to be filled on artificial turf pitches. The rear brush option saves one working step and levels the surface.

Rink 1010



The floatation tyres minimize ground pressure and the lightweight hopper is made of aluminium to avoid rusting.

Options:  
A Hopper Extension kit increases the hopper capacity to 1.27m<sup>3</sup>.



If a 13hp engine is added the Rink 1010 can be pulled by virtually any vehicle.



A Special Infill kit consists of a custom seal kit and a rake, which pulls the fibres into a vertical position immediately behind the wheels of the spreader, so that the Infill material can drop down to the base of the mat.



Rink mounted spreaders



Rink 1205

The light aluminium hoppers of the Rinks can be placed on utility vehicles

A hopper Extension Kit can be mounted on top of the Rink 1204, increasing its total capacity to 2.0m<sup>3</sup> for infill (photo below).



Rink 1003

The Kubota RTV with the custom made Rink 1003 with 0.4m<sup>3</sup> hopper capacity.



Rink 1005



The Rink 1005 fits on the 3-point hitch of a tractor and has a hopper capacity of 0.75M<sup>3</sup>



Bigbag spreaders (≥2.0m³)



Rink 1210

Options on the Rink 1210 are the Hopper Extension kit (increasing the hopper size to 2.0m³), a Special Infill kit (to pull the fibres vertically) and a 13hp engine (a tractor is then not required) as shown in the photo below.



The Dry-sand plate ensures extra accurate spreading.

The Rink 1210 is low to the ground, for easy refilling and ensuring the operator a good rear view.



Model Rink	1210	1520	1622
Spreading width	1.80m (71")	1.40m (55")	2.0m (79")
Spreading thickness	0.3 to 10mm	0.3 to 40mm	0.3 to 10mm
Weight	370kg (814lbs)	950kg (2090lbs)	1062kg (2341lbs)
Hopper capacity level	1.0m³	2.0m³	2.2m³
Tractor size	20hp+: double acting hydraulic valve and min. oil supply of: 20l/min@ 140bar	25hp+: 25l/min@ 140bar	35hp+: 25l/min@ 140bar



Rink 1520

The Rink 1520 with the Special infill Kit.



The Rink 1520 can spread extremely accurate.



Optional: the Rink 1520 can be equipped with 4 small pivoting tyres.



Rink 1622

The Rink 1622 is extra wide (2m working width) so that less passes are needed.



Handspreader H620

The Handspreader H620 is handy to accurately spread topdressing material on small pitches or tight areas.

Model	Hand-spreader H620
Operation	Manual
Working width	0.60m(24")
Spreading thickness	0.3 to 10mm (0-0.4")
Weight (empty)	50kg (110lbs)
Hopper capacity	100 liters



Optional application for fine sand + gravel + red clay. For fine sand, gravel and red clay the machine has to be equipped with a kit consisting of a brush cylinder, scraper and a compartment plate, instead of the existing scooped cylinder. The hopper capacity then decreases to 60 liters.



**Infill Thickness Tester**



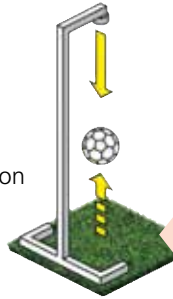
This is a measuring tool for determining the amount of infill in an artificial grass surface. It is important to measure this regularly, as a typical synthetic field loses 5-10% of its infill over a year.

**Ball Roll Tester + Ball Rebound Tester**



Ball Roll Tester

This device measures how far the ball rolls, and how high it bounces and gives an indication on what kind of maintenance is needed.



Ball Rebound Testing Bar



The Ball Roll values for natural turf would vary between 4- and 10m, natural turf in ideal conditions will give values from 4- to 8m. The lower the value, the slower the pitch.\*

The Vertical Ball Rebound is measured by dropping a ball from 2 meters and measuring the rebound height. Natural turf will give values of between 50 and 100 cm, but an "ideal" natural turf will give values of between 60 and 85 cm.\*

**Carrier tow vehicle**



The Carrier is a 32hp, air cooled, walk-in-front tractor. Ground pressure is kept to a minimum due to its smooth, wide tyres. Virtually any type of equipment can be connected to the Carrier 3-point hitch.

Carrier & Snowblower



Model	Carrier
Operation	Walk-in-front
Weight	525kg(1157lbs)
Engine	32hp, aircooled

Carrier & Rink 1010



Carrier & Verti-Top

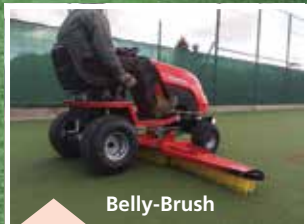


Carrier & Verti-Groom with brush





Verti-Trac 24



Belly-Brush

The Belly-Brush folds to allow easy storage and access through areas as narrow as 90cm, while folded out the unit has a working width of 200cm. The brush unit can be raised clear of the ground for transport, while the same control is used to adjust the pressure applied to surface through the bristles all from the operators seat. The Belly-Brush weighs 54kg(119lbs).

Belly-Brush

Model	Verti-Trac 24
Engine	24hp Kawasaki Twin Air cooled, 726CC
Transmission	Hydrostatic belt drive
Weight	203kg(448lbs)
Groundspeed	7.5km/h (4.5mph)
Dimensions	173x79x112cm(68x38x44")

Verti-Broom 185



The Verti-Trac 24 is a tractor containing a 24hp Kawasaki engine to which a variety of machines and tools can be connected. Thus, all tasks necessary for the maintenance of artificial turf can be carried out by the Verti-Trac 24.

Base-Rake de-compactor with rubber mat



TB950 Infiller



Infiller H1500



Speed-Brush



## Walkbehind Regenerator



Catcher

Brushes

Rakes

Discs

The walkbehind Regenerator cleans artificial turf by means of its counter rotating angle blades. Dirt like moss, weeds and algae are being removed, while the infill is being de-compacted as far deep as the backing.

The Regenerator Base-unit can be equipped with 3 different cassettes.

Model	Walkbehind Regenerator Base unit		
Weight	90kg (198lbs)		
Groundspeed	1.8, 2.3 (standard) or 2.8km/h		
PTO's	1000 + 3000 rpm's		
optional cassettes	Discs	Rakes	Brushes
Weight	35kg (77lbs)	35kg (77lbs)	28kg (62lbs)
Working width	55cm	55cm	55cm
Optional items:	Debris catcher		



The rakes are being used for regular day to day decompaction maintenance work.

The cassette with discs is being used to loosen any heavy dirt or compaction, as far deep as the backing of the carpet.



The Catcher collects the debris and can be attached to each of the cassettes





The Eliminator removes the infill-material from the turf by using an intensive rotating brush. A conveyor belt transports the material to a dumptruck or in a large bag which is carried alongside the Eliminator.

Model	Eliminator
Working width	1.5m (59")
Weight	600kg (1320lbs)
Working depth	up to 5cm.
tractor required	35hp with lift cap. of 900kg(1984lbs) + 2x double acting valve
Dimensions	160x210x238cm

The Eliminator is ideal to remove sand from short piled tennis or hockey fields.

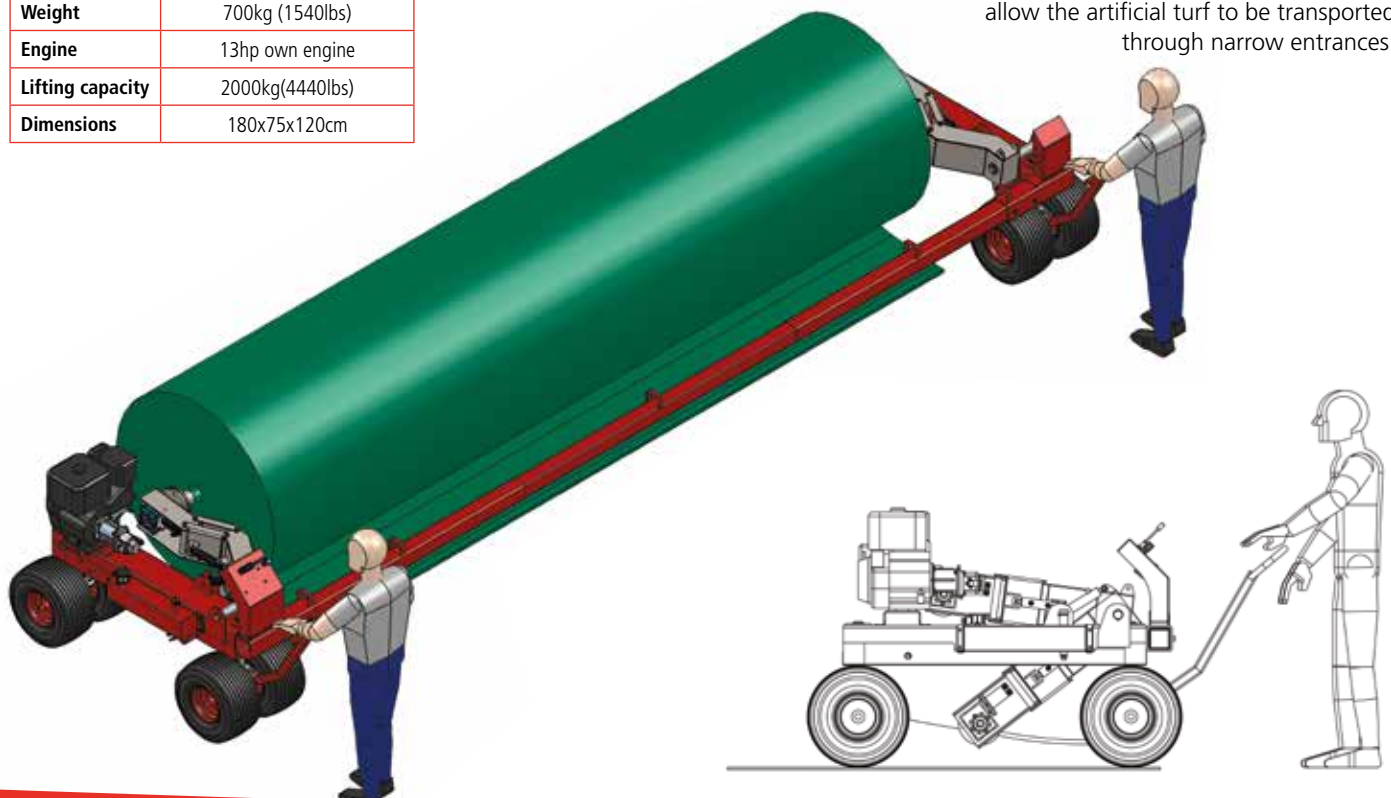


It is difficult to remove the heavy synthetic turf carpets at the end of their working life, and then the Carpet-roller becomes very useful.

Model	Carpet-roller
Working width	adjustable from 1 till 5m (39-197")
Weight	700kg (1540lbs)
Engine	13hp own engine
Lifting capacity	2000kg(4440lbs)
Dimensions	180x75x120cm

Carpet-roller

The Carpet-Roller rolls up artificial turf. Two hydraulic motors wind up the carpet while the spinning speed can be adjusted. The trolleys' manoeuvrability allow the artificial turf to be transported through narrow entrances.





**REDEXIM MACHINES ARE BEING USED AT THE WORLD'S MOST PRESTIGIOUS VENUES:**

**Golf Courses**



"I purchased the Verti-Drain about 3 years ago to replace an older model which had provided good results and reliability for over 10 years. As I write this, the Verti-Drain is out on the course aerating greens and tees as part of the course preparations for the 2008 British Open Championship."

**Chris Whittle, Course Manager  
Royal Birkdale Golf Club - UK**



"In addition to hosting this year's PGA Championship, Oakland Hills CC South Course also receives about 30.000 rounds of golf annually. The stress we experience on our fairways from this level of traffic has been reduced because of the use of the Verti-Drain. Our fairway turf has improved and the disruption to our members is minimal."

**Steve Cook, CGCS.  
Oakland Hills CC - USA**



"Some members call me "Punch" and my crew thinks that "my cure all" is aerification. Adding oxygen to our soil is one of the most important practices we do as Turf Managers. The Verti-Drain Aerifier is helping Valhalla Golf Club prepare for the Ryder Cup."

**Mark Wilson, CGCS.  
Valhalla Country Club - USA**

**Sportsfields**



European Championships Football Austria-Switzerland 2008: Verti-Drain Mustang at work on the day of the final match between Spain and Germany.\*  
\* From Die Presse.



The Ajax team with the 1988 Dutch European Football Champions Marco van Basten, Arnold Mühren, John van 't Schip, John Bosman and Jan Wouters with the Verti-Drain.

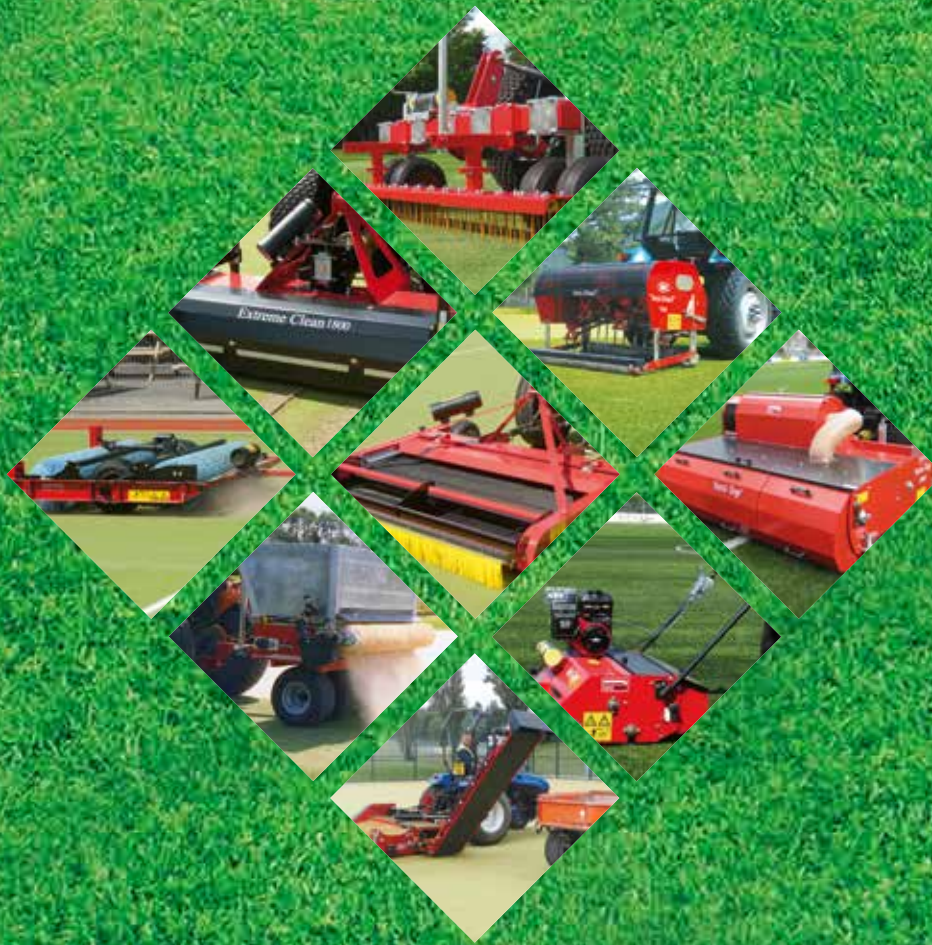
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