



# TopChanger Advantages

## New XP model features

- ✓ Improved hopper design to help reduce spilling sand when loading.
- ✓ Improved software to reduce water usage.
- ✓ New LED display and Touchscreen.
- ✓ Simplified operation.
- ✓ Rear mounted hose to aid turning.
- ✓ Integral tool box to hold maintenance tools.
- ✓ Improved weight distribution to aid tractor lifting.
- ✓ Wire roller scrapers front and back to help surface cleanliness.

## Advantages

- ✓ Minimal disturbance for sports players and reduced economic impact compared to traditional methods.
- ✓ Labour efficient, requiring only 2 operators.
- ✓ The machine will operate in wet conditions.
- ✓ Long term benefits to soil health.
- ✓ Amend, aerate and dilute organic matter in one pass.
- ✓ Can be used as an aeration tool using water only for areas with irrigation pipes present which would otherwise be damaged by tined machines.
- ✓ Can add other profile improving products in the sand mixture.

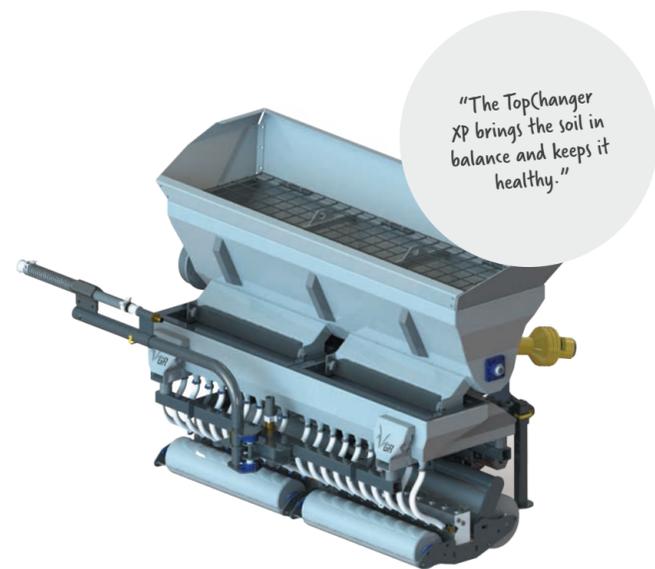
## Balance

1 Increased infiltration rate

2 Controlling/reducing organic matter percentage

3 Increased root growth

4 ± 80.000 when 8 cm spacing on 500m<sup>2</sup> green



[www.vgrequipment.com](http://www.vgrequipment.com)

# VGR Group; Dutch innovation

VGR Groep is an innovative service provider in the construction and maintenance of green spaces for outside sports facilities and nature conservation areas. Our guiding principle is always 'Healthy Soil Better Turf'.

VGR Groep improves soil using an innovative method. We take the natural needs of the soil and soil life into consideration. Our soil-based method assures optimum condition for your turf.

## Support, training, dealers, parts, service and technical backup

In addition to high-quality VGR products, we believe an optimum and effective service is vital. The VGR service team is on standby to support you.

## VGR Development of new products

VGR is not afraid to apply or develop new technology which rolls back the frontiers of efficient and sustainable maintenance.

"We improve soil using an innovative method."

Official VGR dealer

Healthy Soil **Better Turf**

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**TOPCHANGER XP**



VGR Equipment

# Healthy Soil Better Turf

TopChanger 10 years in the sports turf industry making the difference.

Equipment

Services

Composting facility

## Customer challenges



Poor drainage



Compaction



Soft surfaces



High levels of organic matter



Thatch build up



Cost of course closure



Weather windows for maintenance



Labour shortage

## Pro's VGR TopChanger

### Product features

- ✓ Working width is 1.60m
- ✓ Weight 700 kg
- ✓ Sandcontainer 250 ltr
- ✓ Pressure from 200 to 290 bar
- ✓ 2 injection blocks with 10 injectors each

### How it works

Water from the irrigation system passes through a filter, it comes into the pump where pressure is added. Then the water goes into the accumulator, that acts like a buffer. The high-pressure water is then directed to the manifolds and then put in the ground.

### Water aeration

The TopChanger uses waterpower to aerate the soil. The Soil is then able to absorb water further down the structure.

### Water aeration with sand

The soil can be filled with wet or dry sand. The TopChanger injects the sand deep into the soil, increasing water infiltration and diluting organic matter throughout the profile.

## Happy players

# Healthy Soil Better Turf



### TopChanger

10 years in the sports turf industry making the difference.

### Making the difference

By using the right techniques, treatment, and knowledge we create an end product that's stable, healthy and top quality.