

Vredo



Full-Line Seeding Solutions
FINE TURF



DZ5 series

WWW.VREDO.COM

Vredo

The fieldcare company

EVERYTHING UNDER ONE ROOF

Vredo is a leading manufacturer of agricultural and fine turf machines.

Vredo manufactures four main product groups:

- Overseeders (agricultural, amenity & fine turf)
- Cutting filters
- Slurry injectors
- Self-propelled vehicles

We develop and manufacture all our own products. Vredo uses state-of-the-art manufacturing machines. Vredo supplies its products directly and through its carefully selected domestic and international dealer network.



The entire Vredo staff

Vredo



HISTORY

The origins of Vredo can be traced back to 1947 when farmer's son B. de Vree started a contracting firm in Dodewaard. The company's activities were highly diverse and the standard machinery was frequently modified to cope with the heavy clay soil of the Dutch Betuwe.

This modification of machinery slowly changed into the development of completely new machinery. Gradually, the contracting firm turned into a construction company and later a machinery manufacturer.

In 1976, De Vree produced the first machine it had developed itself. It was an overseeder that was given the name Vredo. At the end of the 1980s, the working principle of the overseeder was also used by Vredo for the development of the slurry injector.

The mounting of a manure spreader onto a Horsch three-wheeler in 1989 heralded the first step into the manufacture of self-propelled machinery. Since 1994, Vredo has been developing and manufacturing self-propelled machines entirely in-house.



THE NEW GENERATION

FINE TURF SEEDING TECHNOLOGY

Overseeders



Vredo Super compact 140 T towed model



THE ULTIMATE OVERSEEDER

Thanks to its renowned double disc system, Vredo has been able to call itself the leading overseeder specialist for both the Agricultural market and the Fine-Turf sector since 1976. The sharp cutting discs make a perfect incision in the turf and lay the seed at an adjustable depth in the soil. The stepless variator ensures very precise seed dosage. This guarantees optimum germination of expensive grass seed. The construction of these robustly built machines involves a keen eye for refined detail and top quality materials, making this piece of equipment an investment for life. The perfectly enclosed seed from the seed hopper to the soil helps achieve an operational speed of 16 km/h. This results in a huge daily overseeding capacity. The treated surface can be used and mown immediately because the grass seed is perfectly enclosed in the fine slit.





ALWAYS A REASON FOR OVERSEEDING

There is always a reason for overseeding grassed areas! You might need to fix common problems such as bare spots, frost damage, drought, excessive precipitation and damage due to use. By keeping the grass young, the quality of the surface will remain high and weeds will have virtually no chance to grow. Consequently, it is no longer necessary to use chemicals or fertilisers (Green Deal). Also in the transition zone, with constant changes between warm-season and cool-season grasses, overseeding is essential to maintaining a dense green surface in every season. The Vredo double disc system is the best way of overseeding to add a grass species or variety to the turf.





De Vredo **Single compact 100** three point mounted design

ALWAYS THE RIGHT MODEL

Vredo overseeders are big on simplicity so they can be used in all kinds of settings. With working widths ranging from 0.65 to 2.5 metres, there is always a model for every turf, tractor and budget. Vredo overseeders have been shown not only to be good enough for the best football clubs and most beautiful golf courses in the world, they are also used annually to visibly improve numerous campsites, horse-racing tracks, municipal parks, playing fields, cemeteries, dykes, private gardens, etc.

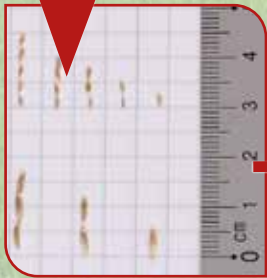
FINE TURF management

FROM SEED TO GRASS....

Research shows that a young grass plant (1 to 3 years) is much more vital and greener than older plants. It also has a greater resistance to pathogens, copes better with excessively dry or wet conditions and grows faster. In other words, a young plant needs far less looking after and therefore fewer chemicals and fertilisers to produce a grass surface that can cope with intensive use. Professional overseeding is therefore essential to meeting the requirements of the demanding lawn or pitch user. Only the double disc action of the Vredo overseeder can deliver this result for decades to come.

HOW IT WORKS

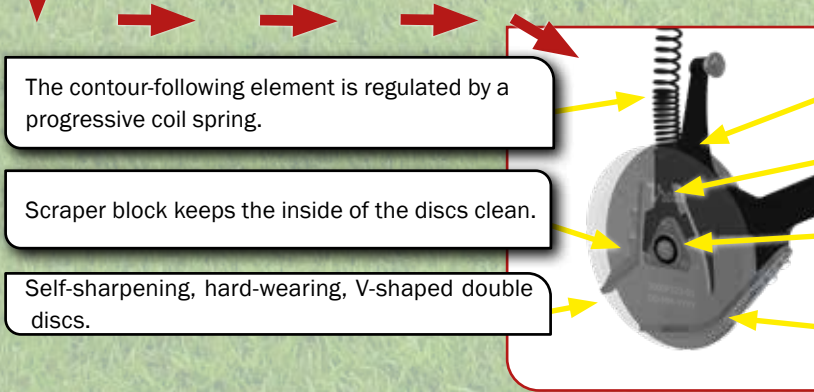
Each seed is unique and requires its own specific setting, which is shown in the seed table



Grass Species	Seed Weight (g)	Seed Weight (g)	Seed Weight (g)	Seed Weight (g)	Seed Weight (g)	Seed Weight (g)	Seed Weight (g)	Seed Weight (g)	Seed Weight (g)	Seed Weight (g)
Lolium Perenne	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Agrostis capillaris	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
... (many more rows) ...	...	...	...	...	...	...	...	...	...	...



The seed is transported from the hopper to the cam wheel. This is driven continuously and pushes the seed over the bottom vane towards a V-shaped edge, causing the seed to fall evenly into the seed tubes.



The contour-following element is regulated by a progressive coil spring.

Scraper block keeps the inside of the discs clean.

Self-sharpening, hard-wearing, V-shaped double discs.

Independently suspended element with a single pivot point follows soil contours.

The seed now falls through the element and between the discs so there is very little loss of seed.

The sealed bearings are maintenance free.

The turf guard ensures:
 1. Cutting is always sharp and neat.
 2. Discs stay clean.
 3. Adjustable sowing depth is optimal.

The combination of twin cutting discs, pressure spring and turf guard ensures an optimal sowing depth, which in turn means the most efficient use of your costly grass seed.





The turf closes up immediately after overseeding. To make the sowing cut visible and reveal the accurately sown seed, a great deal of pressure must be applied to the sod.



If you do not cut into the turf, the seeds land on the grass and not in the soil resulting in lots of unnecessary waste.

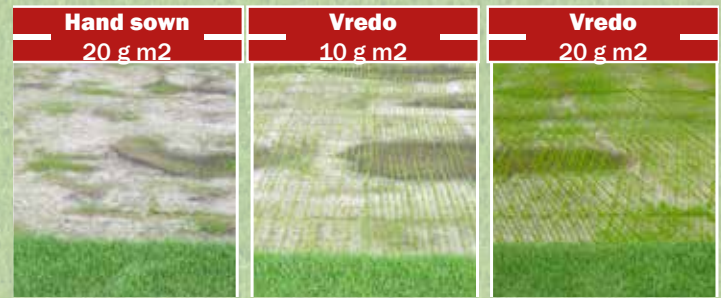
WHY IT WORKS

Placing the expensive grass seed in the soil instead of on top of it minimises waste. The seed will not shrivel in the sunshine, cannot blow away and will not be eaten by birds. The seed is planted at the ideal depth for germination allowing it to receive enough air, light and warmth for optimal germination so it can grow into a strong, mature grass plant.

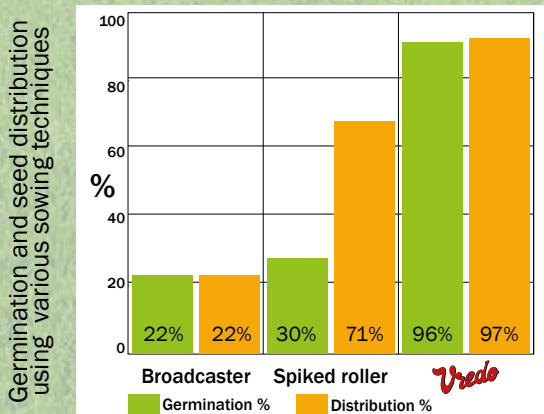
Vredo overseeding in stages



Vredo overseeding versus sowing by hand



IT WORKS.....TO YOUR ADVANTAGE



Sowing method	Utilized grass seed			Wastage		=
	Germination	15 kg bag	Value ¹	%	Value	
Control	100 %	15 kg	€ 165,00	0 %	€ 0,00	
<i>Vredo</i> double disc	96 %	14,4 kg	€ 158,40	4 %	€ 6,60	✓
Spiked roller	30 %	4,5 kg	€ 49,50	70 %	€ 115,50	✗
Broadcaster	22 %	3,3 kg	€ 36,30	78 %	€ 128,70	✗

Per bag of seeds

Example based on average Dutch prices: ¹Golf (colonial bent/red fescue grass) - €165 per 15kg bag. Information based on trials by: Innoseeds DLF 2013, Barenbrug BV 2012. A Pöllinger. AU Triesdorf. Prosementis Deutschland.

IT WORKS.....FOR A GLOBALLY HEALTHY SPORTS CLIMATE

The 'Green deal' & 'Committed to Green' are important themes at the moment. Our aim is a healthy sports sector with chemical-free management; no crop protection products or pesticides, while still meeting current high standards. For many a greenkeeper, field manager and gardener, this is a real challenge; in many cases, Vredo is the solution.

On sports fields and golf courses, overseeding is the final operation after hoeing the top layer, aerating the soil, sanding, recycling and mixing the topsoil. The overseeder sows the grass seed and rolls the turf for the last time. A lawn or campsite is often aerated, scarified and vacuumed before being overseeded.

This often means overseeding is the last of a series of operations. This has been show to be the most important step because it is our machine that finally sows the seed that is meant to ensure everything is nice and green again shortly after renovation. Without resorting to chemicals, the use of which is often prohibited by law. With a Vredo double disc machine the new grass shoots emerge in a jiffy.

GRASS...GREEN AS IT'S MEANT TO BE...



The fieldcare company

The entirely new FINE TURF series

LIFTING BENEFIT AND ROLLER ACTION

The 220 mm roller diameter means the machine is short and therefore easily lifted. This gives it an optimum ability to follow the contours and control the sowing depth. The roller ensures high peak pressure, leaving the turf smooth and even. In challenging sowing conditions (e.g. thatch or hard soil), handy 20 kg weights can be placed on the machine.



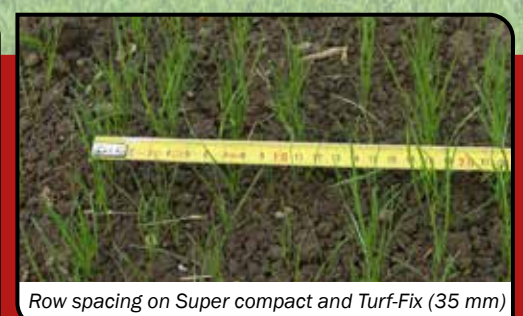
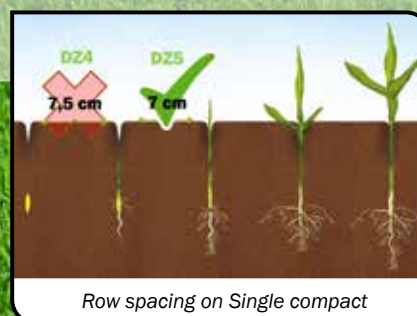
OPTIMUM WEIGHT TO OPERATING WIDTH RATIO

Its smart construction means the machine is short and low in weight, giving it a market-leading weight to operating width ratio. This allows Vredo overseeders to be used where the operating width is equal to or even wider than your tractor. Fuel savings with increased capacity mean huge benefits. Flexible adjustment of the sowing conditions (by adding or removing weights) protects the soil. In addition, the smaller, thinner discs reduce the total weight of the machine. Since the new discs make the required fine incision so easy, the seed can be sown at the desired depth.



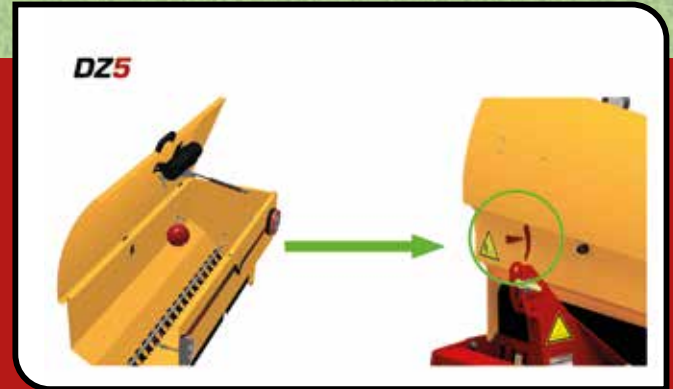
VREDO DOUBLE DISC SYSTEM & ROW SPACING

Each Vredo overseeder features the Vredo Double Disc System. The Single compact has row spacing of 70 mm. On the Super compact and Turf-Fix, it is only 35mm. Each row spacing has its own specific advantages that guarantee the highest germination results at all times.



LARGE CAPACITY SEED HOPPER & LEVEL INDICATOR

Thanks to the large capacity of the seed hopper, you can continue overseeding for a long time before having to stop to refill it. The seed level indicator shows you at a glance how much seed is left in the hopper to finish overseeding the last few metres. This increases efficiency and your hourly work rate!



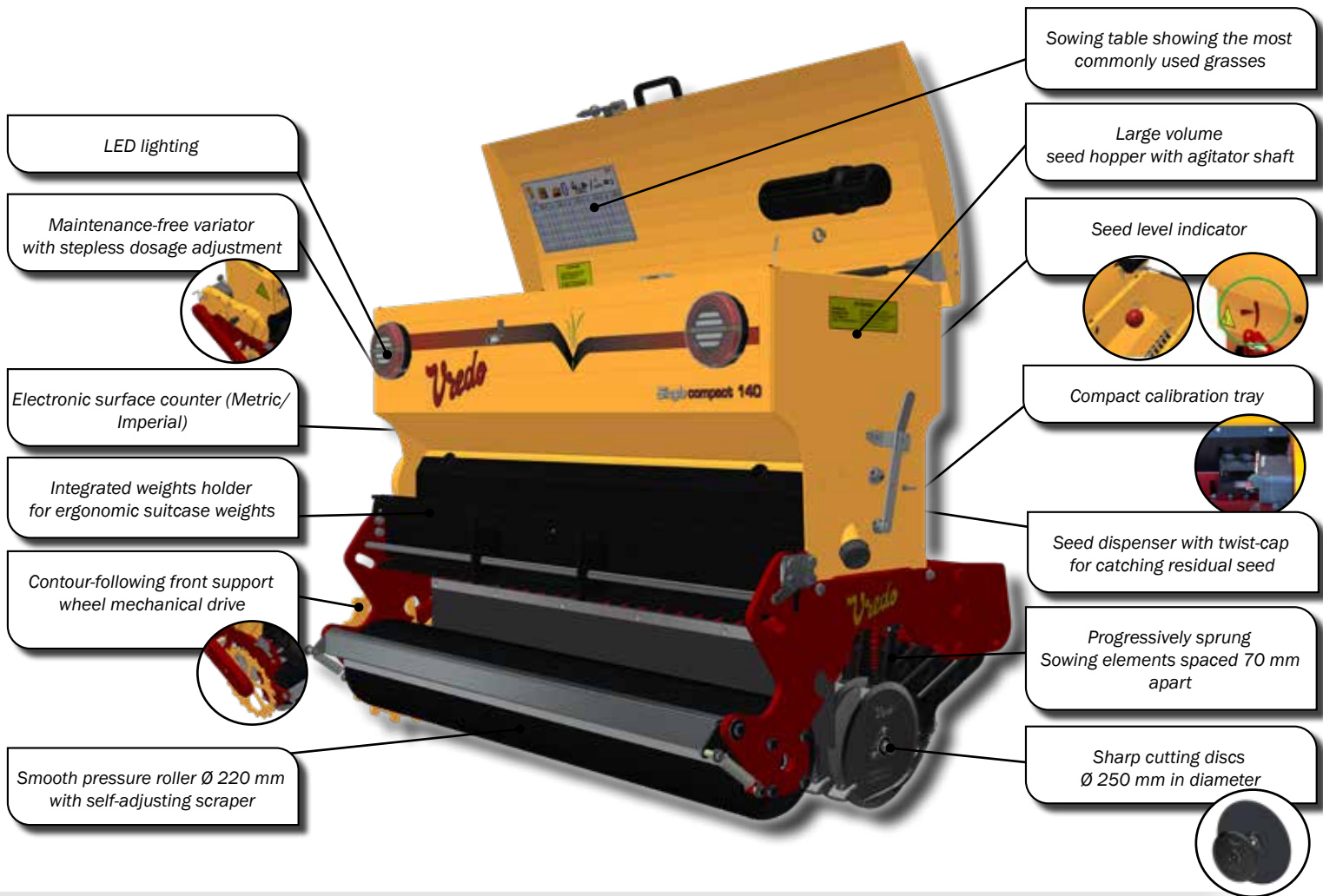
HANDY & PRECISE CALIBRATION

Expensive grass seed may not be wasted. The dosage can therefore be conveniently and steplessly adjusted. Not only is the newly improved calibration method highly accurate, it can also be done in an instant, allowing you to sow precisely down to the last gram per square metre.



Single compact

The *Single* compact series is a unique and versatile overseeder that be used in a wide range of situations. An all-rounder featuring a single row of discs giving row spacing of 70 mm. This gives the machine the perfect weight to work width ratio, allows it to be mounted on tractors with a relatively low lifting capacity and comes at an attractive price.



OPTIONS



SPECIFICATIONS

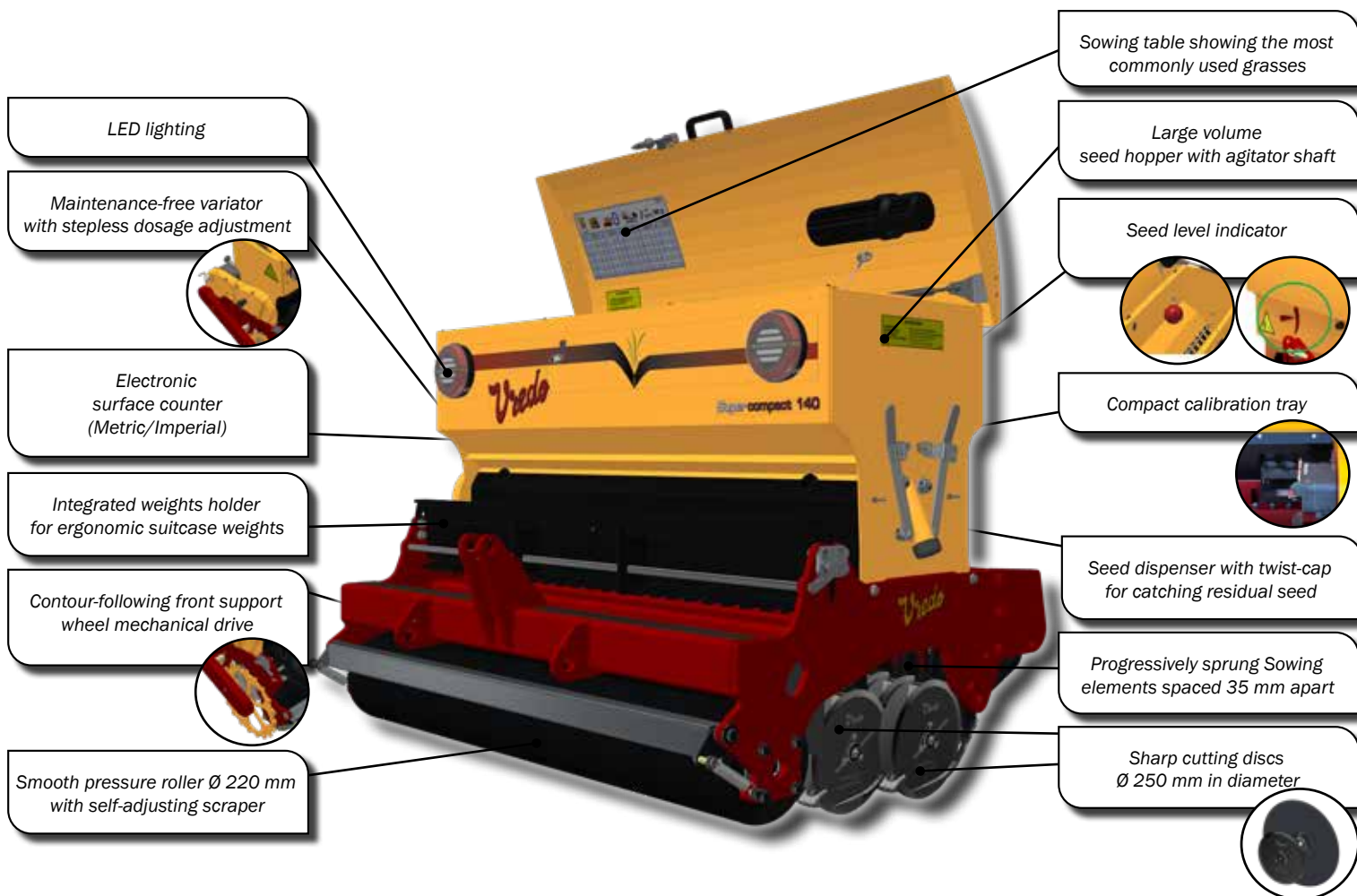
Seed dosage	Disc diameter	Element	Turf guard	Pressure roller	Calibrating
Stepless 3 to 190 kg/ha	Ø 250 mm	Progressively sprung 0-20 mm sowing depth	Adjustable	Ø 220 mm With self-adjusting scraper	Calibration table Newly improved calibration tray section

Type Single compact	GPS Working width (cm)	Transport width (cm)	Row spac- ing (mm)	Volume of seed hop- per (l)	Weight (kg)	Recommen- ded 20 kg weights	Tractor power	Depth adjustment	Dimensions lxwxh (cm)
100	98	115	70	165	400	4 (480)	20 HP	Top bar/roller	105.5 x 115.0 x 108.5
140	140	157	70	235	503	6 (623)	25 HP	Top bar/roller	105.5 x 157.0 x 108.5
180	182	199	70	303	606	10 (806)	35 HP	Top bar/roller	105.5 x 199.0 x 108.5
220	224	241	70	375	710	12 (850)	50 HP	Top bar/roller	105.5 x 241.0 x 108.5

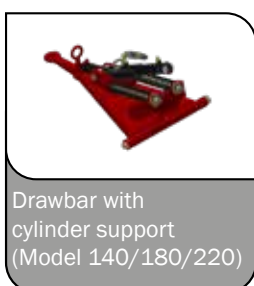


Super compact

The *Super compact* series is a world class overseeder for the sports and golf sector, among others. It is professionally constructed, featuring a double row of cutting discs allowing row spacing of just 35 mm. Efficient overseeding and rapid thickening of the turf. This series can be used with 3-point attachment or towed and is therefore suitable for use with tractors in the lower HP class.



OPTIONS



SPECIFICATIONS

Seed dosage	Disc diameter	Element	Turf guard	Pressure roller	Calibrating
Stepless 3 to 390 kg/ha	Ø 250 mm	Progressively sprung 0-20 mm sowing depth	Adjustable	Ø 220 mm With self-adjusting scraper	Calibration table Newly improved calibration tray section

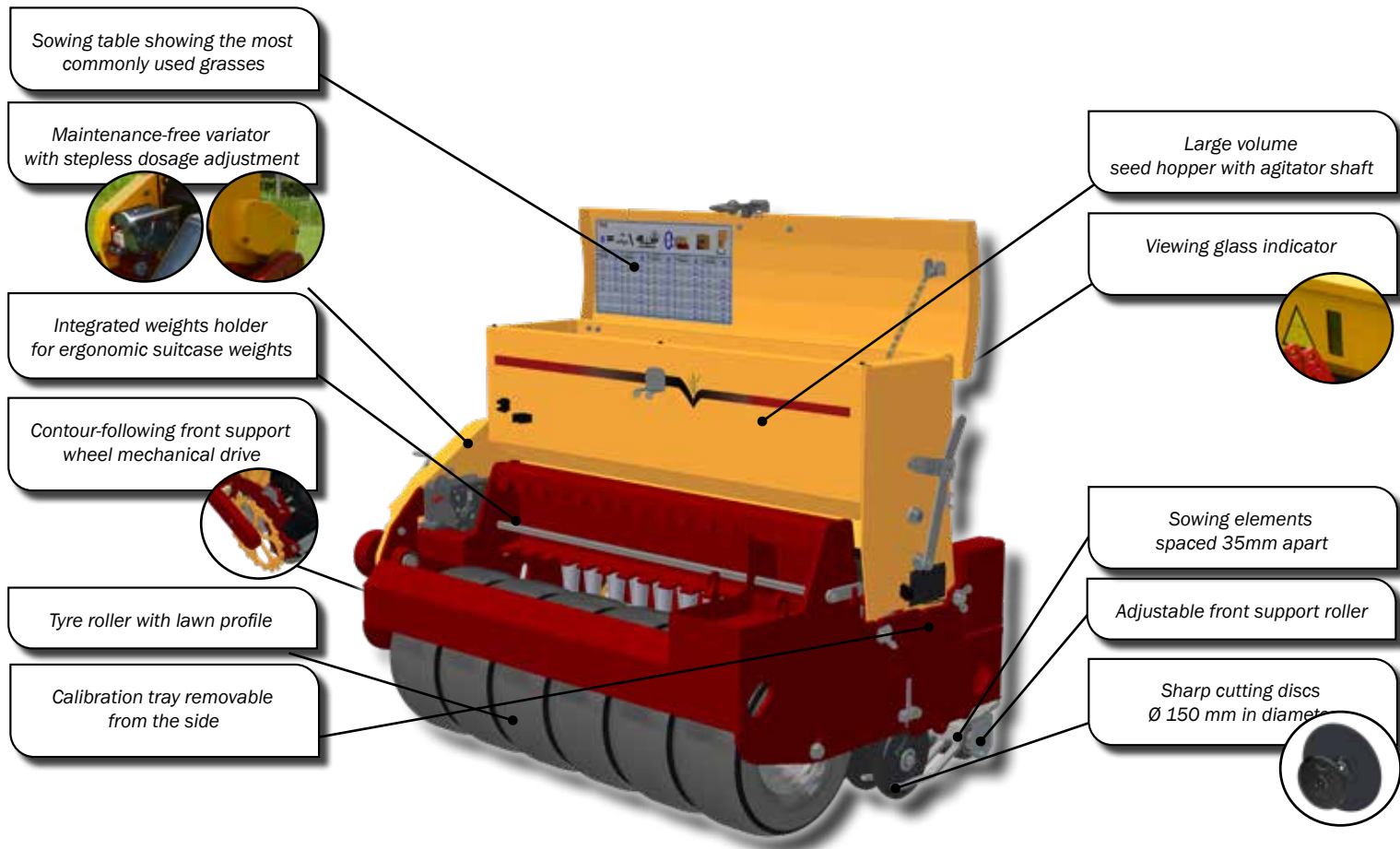
Type Super compact	GPS Working width (cm)	Transport width (cm)	Row spac- ing (mm)	Volume of seed hopper (l)	Weight (kg)	Recommend- ed 20 kg weights	Tractor power 3p/towed	Depth adjustment	Dimensions l x w x h (cm)
100	94.5	115	35	165	540	10 (740)	30 HP	Top bar/roller	123.4 x 115.0 x 108.4
140(T)	140	157	35	235	693	14 (973)	40/30 HP	Top bar/roller	123.4 x 157.0 x 108.4
180(T)	182	199	35	303	846	18 (1,206)	50/40 HP	Top bar/roller	123.4 x 199.0 x 108.4
220(T)	224	241	35	375	1000	22 (1,440)	60/50 HP	Top bar/roller	123.4 x 241.0 x 108.4

(T) Wheel set and drawbar assembly, 205 kg extra weight and adding 175.5 cm to the machine's length

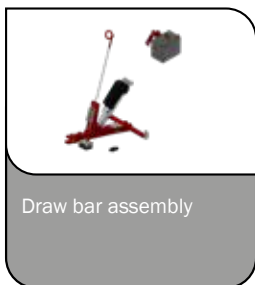


Turf-Fix

The Turf Fix series is the most compact overseeder with the double disc system with just 35 mm row spacing. The expert for a landscape gardener and green keeper allowing professional overseeding of the smallest lawn. Pulled behind a ride-on mower or carried by a small agricultural tractor. Beautifully built to play big.



OPTIONS



SPECIFICATIONS

Seed dosage	Disc diameter	Element	Turf guard	Front support wheel	Tyre roller with lawn profile	Calibrating
Stepless 3 to 190 kg/ha	Ø 150 mm	Low maintenance with steel scraper 0-20 mm sowing depth	Adjustable	Adjustable	4 or 6 tyres 13x6.5-6	Calibration table, removable from side calibration tray

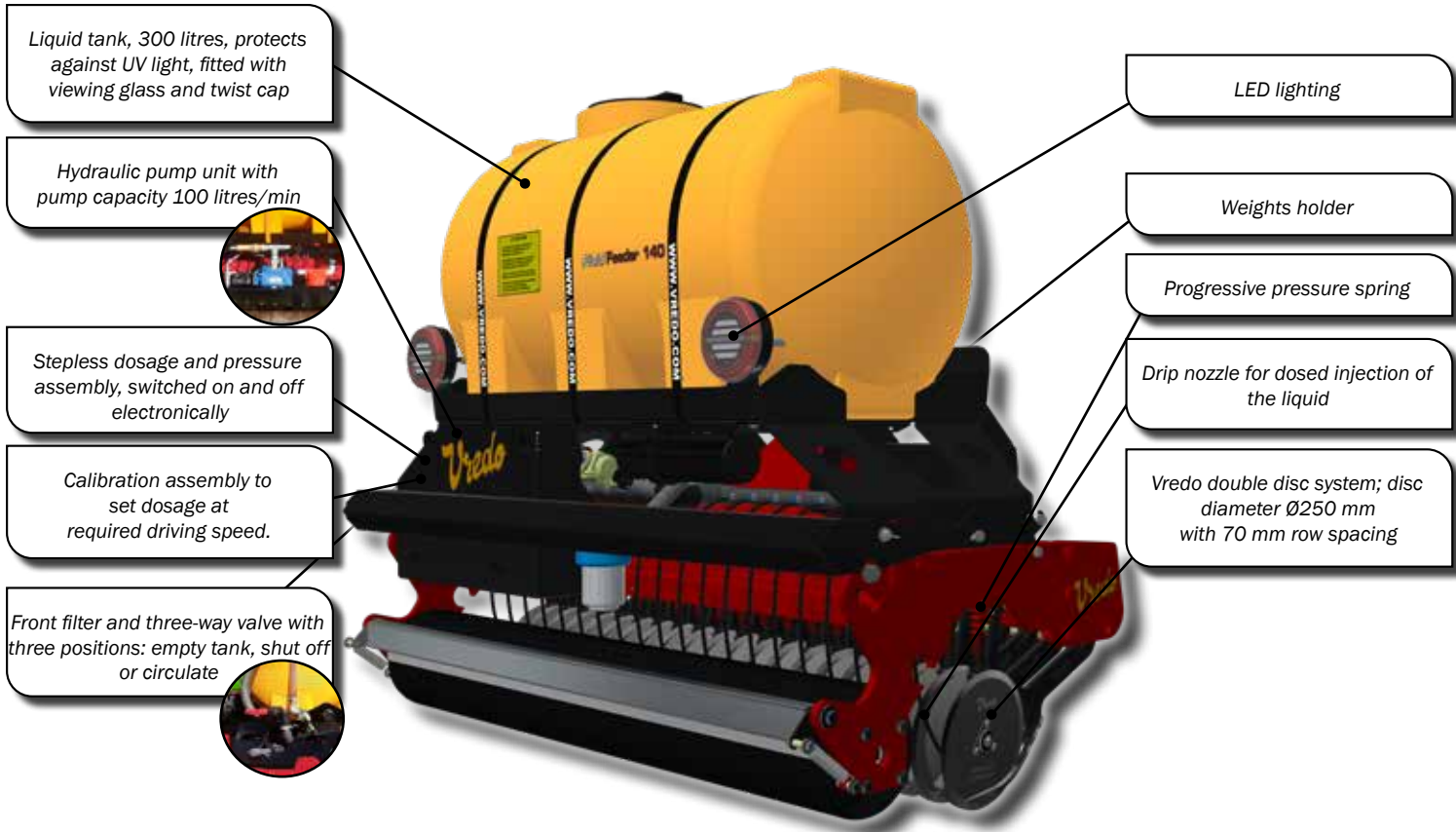
Type Turf-Fix	GPS Working width (cm)	Transport width (cm)	Row spacing (mm)	Volume of seed hop- per	Weight	Recom- mended 20 kg weights	Tractor power 3p/towed	Dimensions l x w x h (cm)
65 (T)	63	78.3	35	42 l.	180 kg	6 (300)	20/15 HP	80.9 x 78.3 x 85.5
95 (T)	98	113.3	35	66 l.	240 kg	10 (440)	25/20 HP	80.9 x 113.3 x 85.5

(T) Wheel set and drawbar assembly, 27 kg extra weight and adding 63.5 cm to the machine's length



Fluid Feeder

An innovative machine for injecting fluids such as nematodes, liquid fertiliser and stimulants into the root zone, using the Vredo double disc system. In order to combat insect larvae (grubs) successfully, nematodes need to be injected as closely as possible to them. In addition, nematodes may not be exposed to UV light; the Fluid Feeder takes care of this, resulting in highly effective pest control.



GRUB DAMAGE



Grubs under the turf



Damage due to being eaten by birds, badgers, wild bars etc.



Nematodes injection

SPECIFICATIONS

Liquid dosage	Disc diameter	Element	Turf guard	Pressure roller	Calibrating
Stepless dosage and pressure adjustment (from 0 to 1.5 bar)	Ø 250 mm	Progressively sprung 0-25 mm sowing depth	Adjustable	Ø 220 mm With self-adjusting scraper	With calibration tray and simple formula

Type	GPS Working width (cm)	Transport width (cm)	Row spacing (mm)	Volume of tank	Weight	Recommended 20 kg weights	Depth adjustment	Tractor power	Dimensions l x w x h (cm)
140	140	157	70	300 l.	575 kg	6 (695)	Top bar/roller	60 HP	105.5 x 157 x 138



After sales



OUR PHILOSOPHY

Vredo's philosophy is "Built-to-Work", however, every machine needs regular servicing so it can continue to perform at its best. To keep servicing as straightforward as possible, our machines have been designed to be as maintenance-friendly as possible. Our global network of dealers, supported by Vredo Service, focuses on you the customer, providing advice, supplying parts and delivering service: dedicated, expert and fast.

PARTS

Vredo keeps virtually all wear parts and other machine components in stock. Our dealers also keep parts in stock. Our parts are manufactured to stringent guidelines to meet our high standards. When you buy original Vredo components, you are buying quality and reliability.

SERVICE

The representatives and technicians in our dealer network receive regular instruction and training. Consequently, they know the machinery inside out so they can provide users with the best advice and service. They are supported by the Vredo Service Team made up of professionally trained and experienced technicians and mechanics. Together they make sure that your machine remains fully usable so that you can achieve the best results.

COLOPHON

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