



# Terra Select

Trommel Screens

The realisation that natural resources are finite has pushed people into thinking about their lifestyle. This is why we are now more attuned to the idea of nature being a valuable asset that needs to be safeguarded for future generations. The development of sustainable solutions is the active way to contribute to a future worth living, and is something that our employees engage in on a day-to-day basis.

Karlgünter Eggersmann,  
CEO





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# T 30



## Terra Select T 30

The T 30 Trommel Screen lends itself to being used on small composting sites, in market gardens or in rental fleets. The model is flexibly usable and therefore perfect for customers who previously hired a contractor for screening work and now want to perform this work in this sector themselves. Clarity, maintenance friendliness and the use of proven quality components from the Terra Select Trommel Screen product range provide for easy and safe handling. Good accessibility to the machine means service tasks can be performed quickly and reliably.

- The Terra Select T 30 is equipped with a 25 kW diesel motor with extremely low fuel consumption, which only uses an average of 4 l/h.
- A screening output of up to 60 m<sup>3</sup>/h can be achieved as a result of the generous fill hopper.
- The T 30 impresses due to its large and flexible scope of application and its carefully developed inner workings — a machine with an excellent price/value ratio.

Special features: easy and simple trommel changes, low load height, large fill hopper



Magnet roller



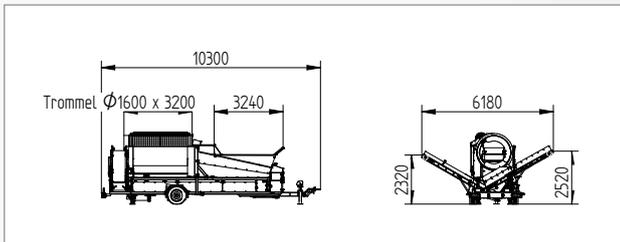
Central lubrication system



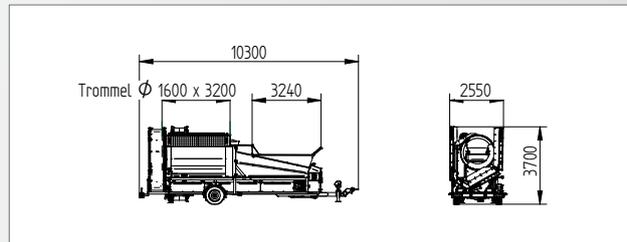
## Technical data

Trommel length	3,200 mm
Trommel diameter	1,600 mm
Effective screening area	14,5 m <sup>2</sup>
Drive	25 kW
Tank volume	100 litres
Fine grain belt length	4,100 mm
Fine grain belt width	600 mm
Oversize grain belt length	3,500 mm
Oversize grain belt width	600 mm
Hopper	2.5 m <sup>3</sup>
Width	3,240 mm
Depth	1,400 mm
High	2,450 kg
Approved total weight	7,400 kg

### Working position



### Transport position



Trommel Screen - Terra Select T 30

# T 40



## Terra Select T 40

For the model T 40, Terra Select compressed the technical advantages of the “big machines” and transferred them into a smaller machine. As a result, it also contains the special hopper drive, a powerful diesel motor, hot dip galvanised conveyor belt frame, generous transfer points and wide conveyor belts. The T 40 is a powerful professional machine from the compact class, almost reaching the models from the five metre class, and all of this with an excellent price/value ratio.

- The Terra Select T 40 is designed for all types of materials. It can also screen substances like earth, soil, sand, building rubble, etc. without any difficulties.
- The T 40 is a powerful machine with compact dimensions due to its high quality equipment, its well-conceived execution and its 1,600 mm trommel diameter.

Special features: powerful hopper belt drive, 19 m<sup>2</sup> screening area, wide conveyor belts



Hopper grates



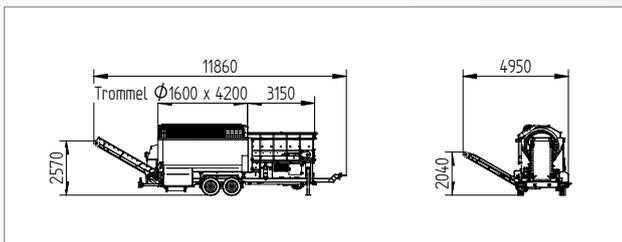
Reversing fan



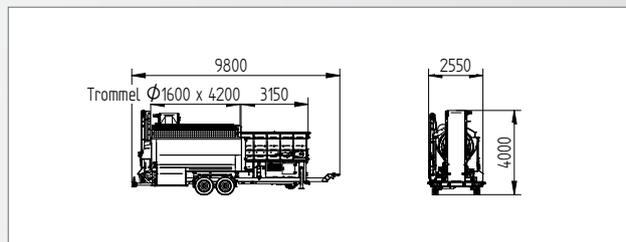
## Technical data

Trommel length	4,200 mm
Trommel diameter 1.600 mm	1,600 mm
Effective screening area	19 m <sup>2</sup>
Drive	55 kW
Tank volume	160 litres
Fine grain belt length	3,400 / 4,900 mm
Fine grain belt width	800 mm
Oversize grain belt length	3,400 / 4,900 mm
Oversize grain belt width	800 mm
Hopper	> 3.4 m <sup>3</sup>
Width	3,150 mm
Depth	1,550 mm
High	2,650 mm
Approved total weight	12,000 kg

### Working position



### Transport position



Trommel Screen - Terra Select T 40

# T 50



## Terra Select T 50

The Terra Select T 50 is the all-rounder among the trommel screening machines and a master of transformation: It only takes a few modifications to be able to even use the trommels of others manufacturers in this model. Furthermore, the T 50 technology represents the combination between compact measurements and outstanding screening performance. Because of its adaptability and its convincing technical arguments, this model is perfectly placed in the five metre class.

- The Terra Select T 50 has a trommel diameter of 2,000 mm (normal in this class: 1,800 mm); increasing the screening performance by up to 20 %.
- Accordingly, the T 50 is equipped with a large fill hopper with a volume of more than 5 m<sup>3</sup>.
- Many of the T 50's drive elements originated in its "big brother", the T 60; this ensures a long service life and provides for a higher intrinsic value.

Special features: quiet running 55 kW diesel motor, one piece conveyor belt, Trommel diameter 2,000 mm



Wheel-driven power unit



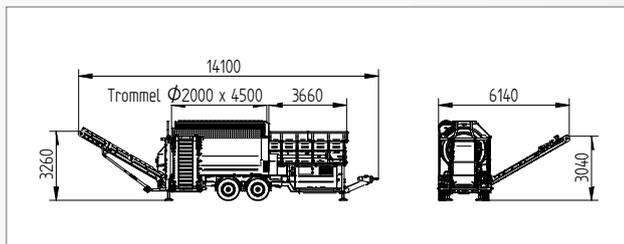
Vibro grate



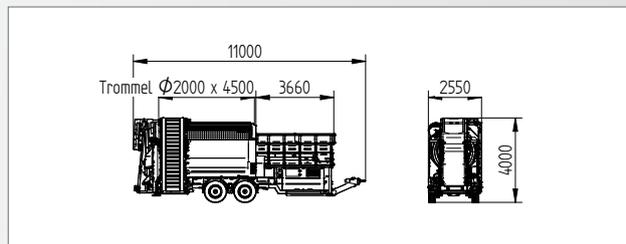
## Technical data

Trommel length	4,500 mm
Trommel diameter	2,000 mm
Effective screening area	25 m <sup>2</sup>
Drive	55 kW
Tank volume	300 litres
Fine grain belt length	6,700 mm
Fine grain belt width	1,000 mm
Oversize grain belt length	4,900 mm
Oversize grain belt width	1,000 mm
Hopper	> 5 m <sup>3</sup>
Width	3,660 mm
Depth	1,800 mm
High	2,850 mm
Approved total weight	16,000 kg

### Working position



### Transport position



Trommel Screen - Terra Select T 50

# T 60



## Terra Select T 60

High throughput performance and many innovative design solutions are the striking features of the Terra Select T 60, while its high performance motor runs fuel and energy-efficiently. The engine has sufficient power reserves to operate additional optional equipment such as lock washer screening decks or windsifters. The pivoting infeed unit makes the daily manoeuvring of the machine easy for the personnel.

- The T 60 trommel screening machine is equipped with a powerful industrial diesel motor (81 kW power).
- The trommel, with a length of 5,500 mm and a diameter of 2,200 mm, provides for impressive screening performance of up to 200 m<sup>3</sup>/h.
- The auger, attached on the outside of the trommel, prevents screening material from settling between the trommel and the side panels of the machine.

Special features: one piece fine grain belt, 33 m<sup>2</sup> screening area, powerful 81 kW diesel motor



V 60 Windsifter



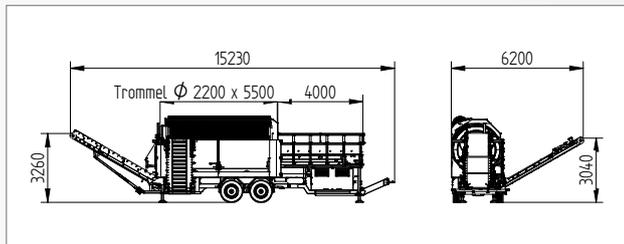
Z 60 Star Screen insert



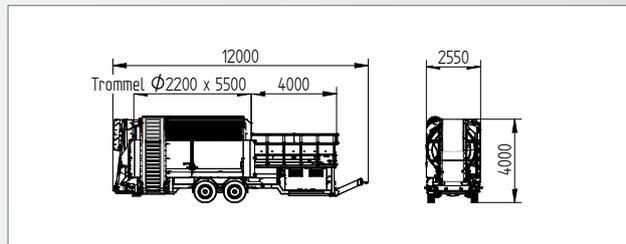
## Technical data

Trommel length	5,500 mm
Trommel diameter	2,200 mm
Effective screening area	33 m <sup>2</sup>
Drive	81 kW
Tank volume	300 litres
Fine grain belt length	6,200 mm
Fine grain belt width	1,000 mm
Oversize grain belt length	4,900 mm
Oversize grain belt width	1,200 mm
Hopper	> 6 m <sup>3</sup>
Width	4,000 mm
Depth	1,800 mm
High	2,870 mm
Approved total weight	19,000 kg

### Working position



### Transport position



Trommel Screen - Terra Select T 60

# T 70



## Terra Select T 70

The model T 70 is the most powerful, mobile trommel screening machine in the Terra Select product range and provides for convincing throughput performance. With an impressively large screen area, it easily handles even hard-to-screen materials, such as wet compost. The long trommel and the correspondingly wide screening deck are perfectly suited for screening all kinds of waste.

- The Terra Select T 70 achieves a screening performance of up to 250 m<sup>3</sup>/h using an effective screening area of approx. 46 m<sup>2</sup>.
- The trommel length in this model is 7,500 mm, the diameter is 2,200 mm.

Special features: impressive screening area, large fill hopper, generous infeed opening in screening drum



R 60 Screening Deck



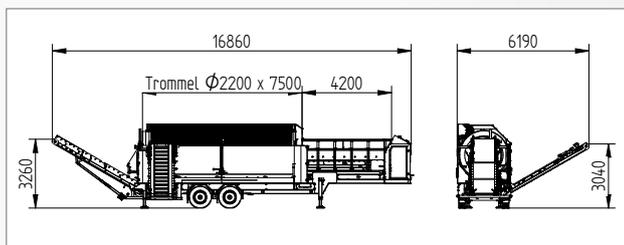
Remote control unit



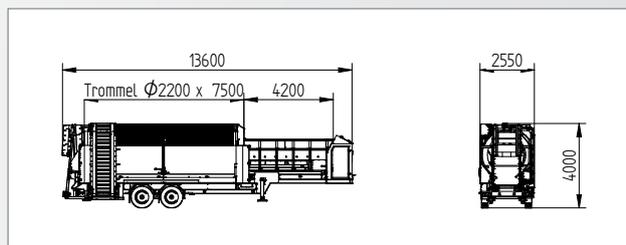
## Technical data

Trommel length	7,500 mm
Trommel diameter	2,200 mm
Effective screening area	46 m <sup>2</sup>
Drive	81 kW
Tank volume	300 litres
Fine grain belt length	6,200 mm
Fine grain belt width	1,000 mm
Oversize grain belt length	4,900 mm
Oversize grain belt width	1,000 mm
Hopper	> 6.5 m <sup>3</sup>
Width	4,200 mm
Depth	1,800 mm
High	2,850 mm
Approved total weight	22.000 kg

### Working position



### Transport position



Trommel Screen - Terra Select T 70

# T 80



## Terra Select T 80

The Terra Select T 80 is a very efficient trommel screening machine and produces three fractions in one step. The screening trommel is divided into two individually selectable, different perforations and the long screening areas are arranged one behind the other: This allows fine screening to be performed perfectly. Optionally, the hinged hopper grid on the infeed hopper already makes it possible to separate "thick chunks" while the machine is being filled. As a result, a total of four different fractions are produced with one machine.

- All the discharge belts can optionally be equipped with magnetic rolls of various qualities, e.g. with various Neodymium parts for extra strength.
- The "fine before coarse" screening in the T 80 is especially suitable for the mineral reconditioning process.

Special features: impressive screening area, large fill bunker, three fractions due to divided screen perforation



Stone separation belt at rear



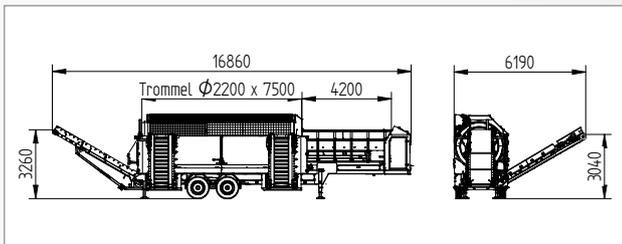
Tracks



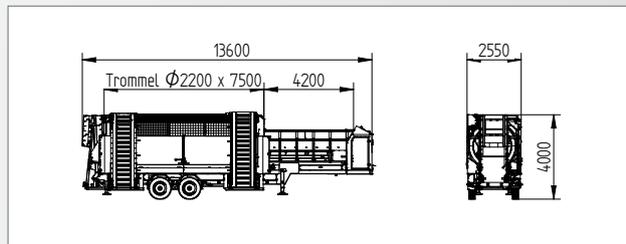
## Technical data

Trommel length	7,500 mm
Trommel diameter	2,200 mm
Effective screening area	46 m <sup>2</sup>
Drive	81 kW
Tank volume	300 litres
Fine grain belt length	6,700 mm
Fine grain belt width	1,000 mm
Medium grain belt length	6,700 mm
Medium grain belt width	1,000 mm
Oversize grain belt length	4,900 mm
Oversize grain belt width	1,000 mm
Hopper	> 6.5 m <sup>3</sup>
Width	4,200 mm
Depth	1,800 mm
High	2,850 mm
Approved total weight	22,000 kg

### Working position



### Transport position



Trommel Screen - Terra Select T 80

# DT 50



## Terra Select DT 50

The Terra Select DT 50 is the perfect combination between a two and three fraction trommel screening machine and shows huge flexibility. The number of fractions in this model can be changed by a simple trommel change, allowing even more tasks and areas of use to be covered in a versatile, reliable and fast manner.

- The design of the Terra Select DT 50 is technically flexible: The screening trommels of the T 50 model can be inserted in the DT 50, giving it the full productive efficiency of a two fraction screening machine.
- The DT 50 can also be used as a three fraction trommel screening machine reliably and efficiently by inserting a special double trommel. The large screening cut in this case is defined by the mesh size of the interchangeable inner trommel, the fine screening cut is made to be variable due to the interchangeable wire mesh.

Special features: 55 kW motor, one piece fine and medium grain belt, double trommel



Extended rear belt, 6 m



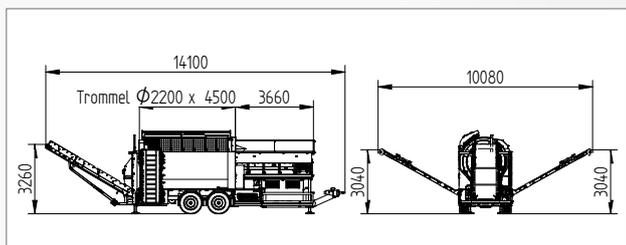
Auxiliary drive



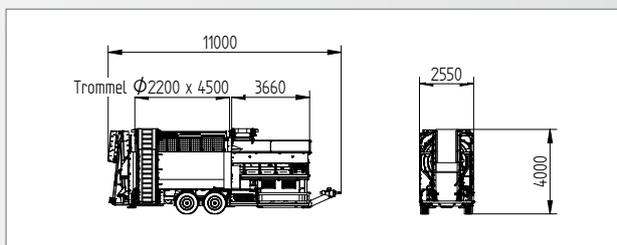
## Technical data

Trommel length	4,500 mm
Trommel diameter external	2,200 mm
Trommel diameter internal	1,600 mm
Effective screening area	42 m <sup>2</sup>
Drive	55 kW
Tank volume	300 litres
Fine grain belt length	6,700 mm
Fine grain belt width	800 mm
Medium grain belt length	6,700 mm
Medium grain belt width	800 mm
Oversize grain belt length	4,900 mm
Oversize grain belt width	1,000 mm
Hopper	> 4.5 m <sup>3</sup>
Width	3,660 mm
Depth	1,800 mm
High	2,850 mm
Approved total weight	19,000 kg

### Working position



### Transport position



Trommel Screen - Terra Select DT 50

# DT 60



## Terra Select DT 60

The Terra Select DT 60 is the “big brother” of the DT 50 and is based on the model T 60. Its enlarged screening area makes the DT 60 suitable for many different fields of application.

This means that even two fine screenings, e.g. bark separation (0–10 mm, 10–40 mm, 40–x mm) can be screened in one step with a high throughput performance.

The double trommel screening machines perform a “coarse before fine separation”; this process separates the coarse fractions in the initial step, which means that the fine screen covering the needs to screen a lower volume of material. This process ensures good throughout performance and has an excellent price/value ratio. The double trommel screening machines from Terra Select are subject to much less wear in comparison with the frequently used star screening machines in this performance class.

- The generous trommel measurements (5,500 mm long, 2,200 mm in diameter) provide for screening performance of up to 120 m<sup>3</sup>/h.
- The DT 60 is the perfect machine for three fraction screening, e.g. biomass, shredded green cuttings, tree bark, wood chips as well as sand, stones and earth, etc.

**Special features:** three fractions in one step, one piece fine and medium grain belt, uses double trommel or normal T 60 single trommel



Screening trommel with wire covering



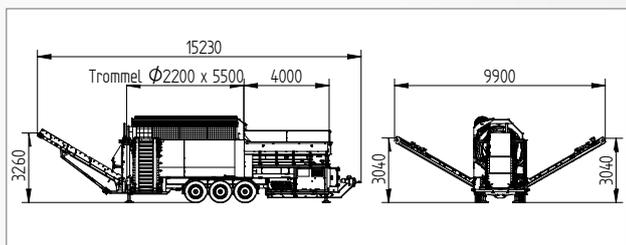
LED spotlight



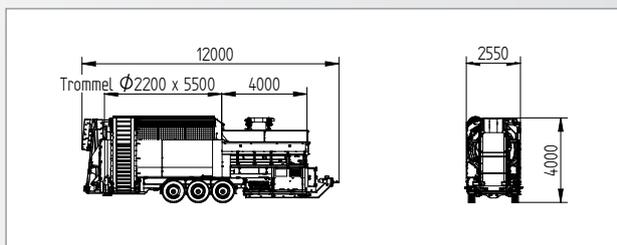
## Technical data

Trommel length	5,500 mm
Trommel diameter external	2,200 mm
Trommel diameter internal	1,600 mm
Effective screening area	49 m <sup>2</sup>
Drive	81 KW
Tank volume	300 litres
Fine grain belt length	6,700 mm
Fine grain belt width	800 mm
Medium grain belt length	6,700 mm
Medium grain belt width	1,000 mm
Oversize grain belt length	4,900 mm
Oversize grain belt width	1,000 mm
Hopper	> 6 m <sup>3</sup>
Width	4,000 mm
Depth	1,800 mm
High	2,850 mm
Approved total weight	24,000 kg

### Working position



### Transport position



Trommel Screen - Terra Select DT 60



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