

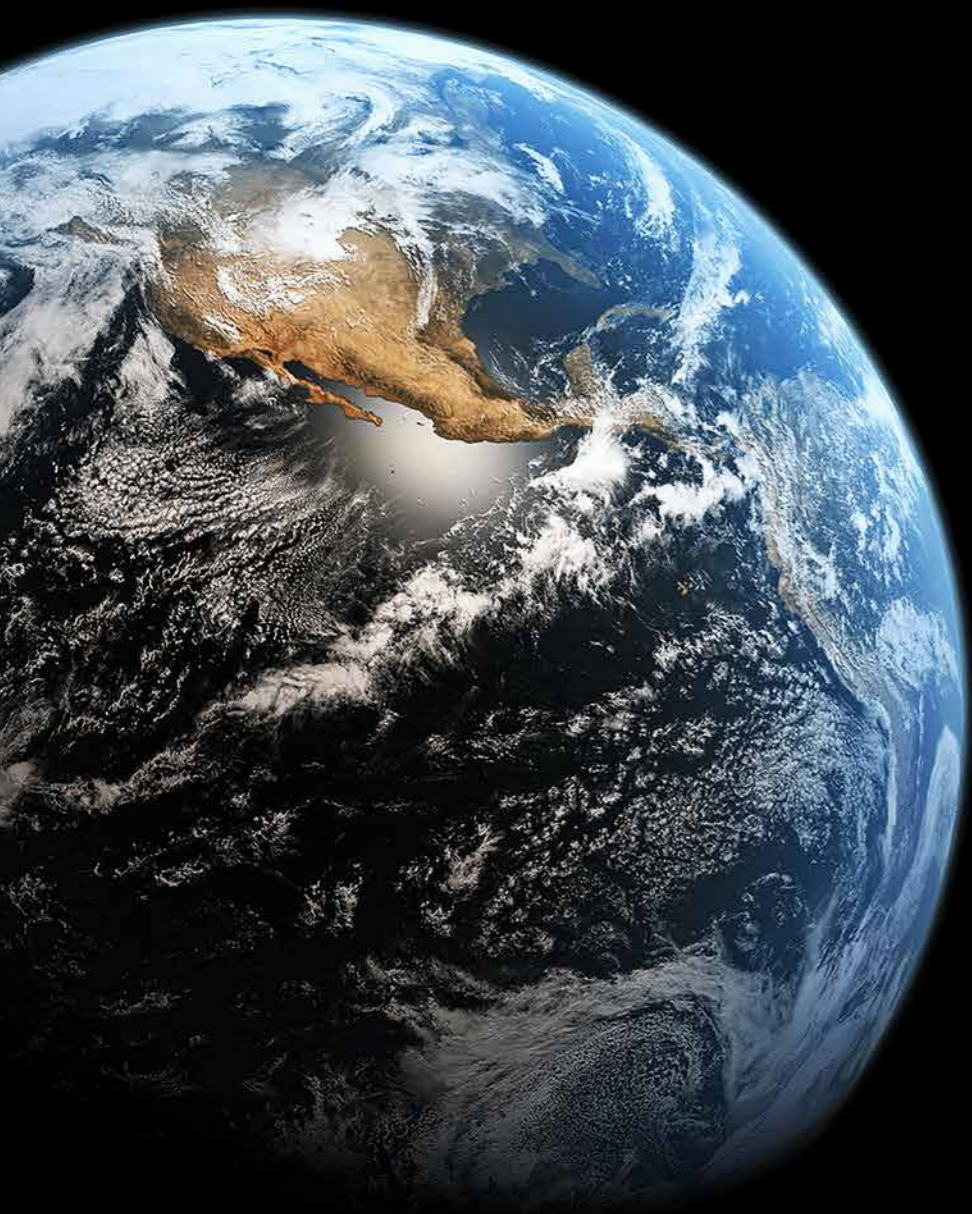


Terra Select

Trommel Screens | Star Screens | Windsifters

The realization 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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Applications

Trommel Screens | Star Screens | Windsifters



Wood chips



C&D



Compost overs



Topsoil



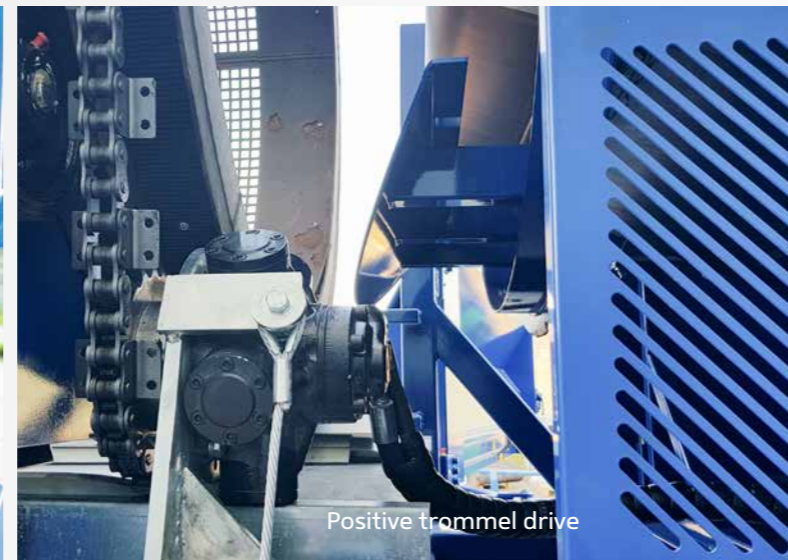
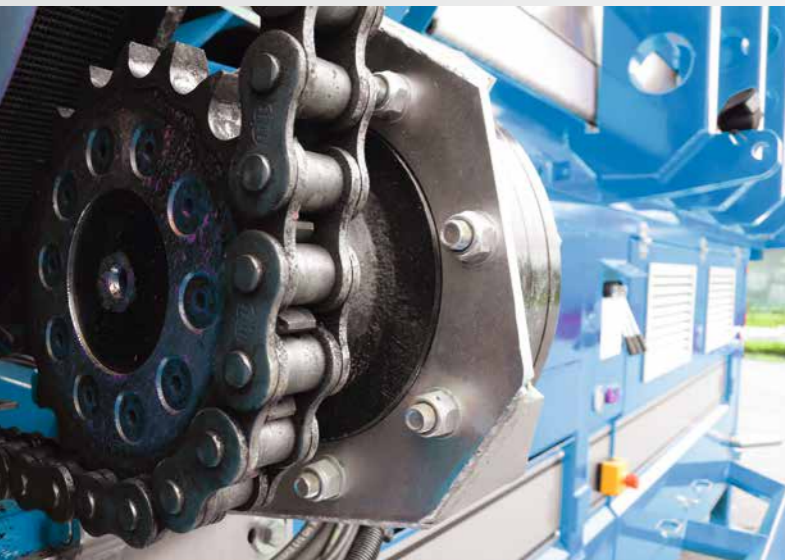
Compost

Trommel Screens

Special features



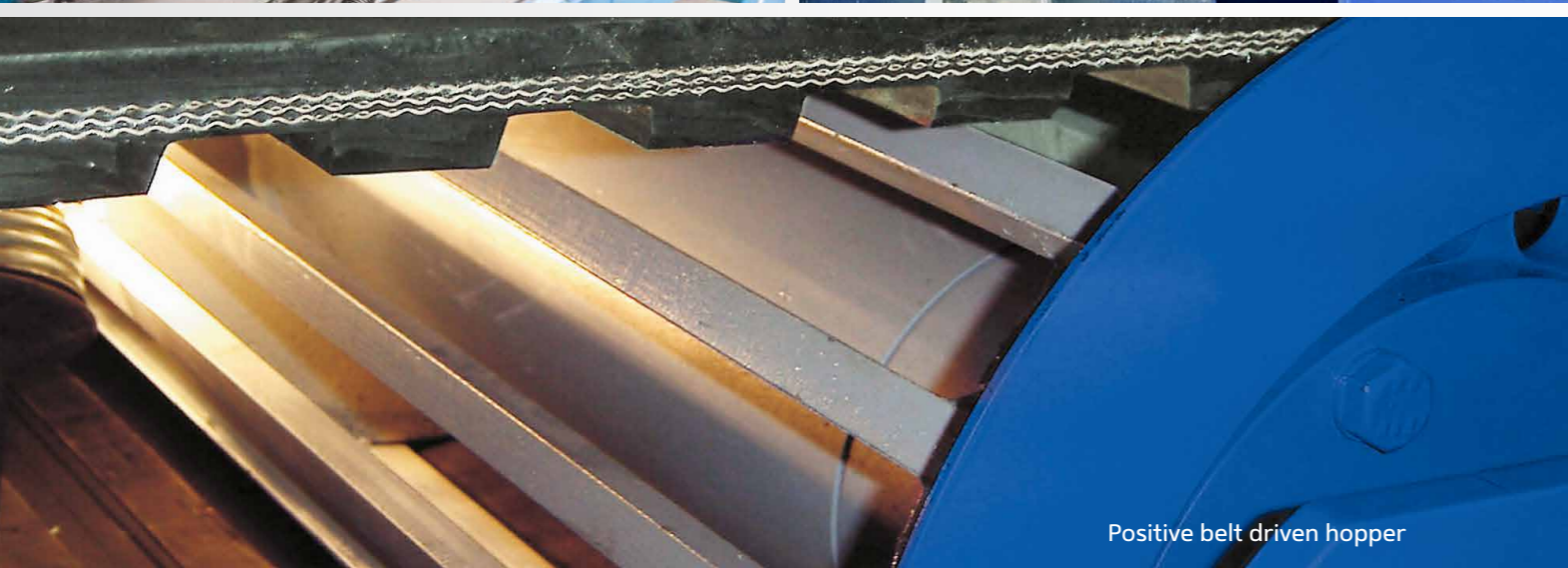
One piece fine grain belt



Positive trommel drive



Extended fine grain belt



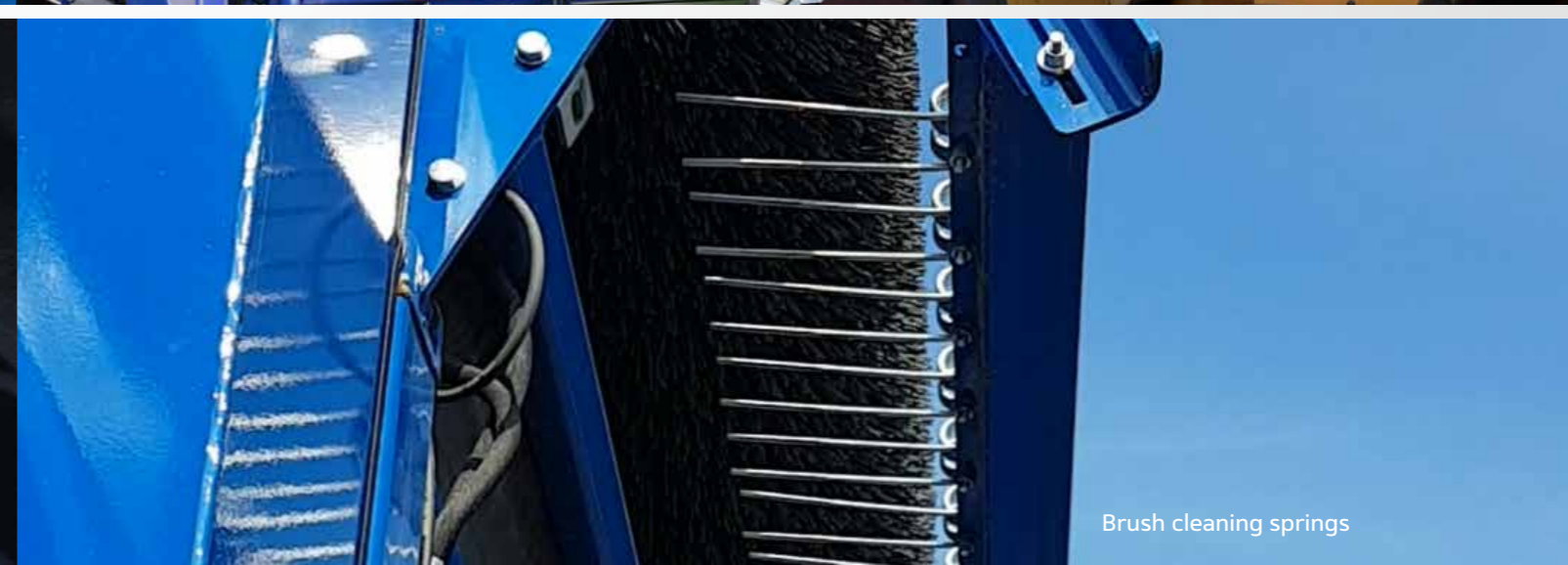
Positive belt driven hopper



Quick trommel changes



Hot dip galvanised conveyor belt frames



Brush cleaning springs

Terra Select T 30



Small and Compact

The Terra Select 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 m³/h can be achieved as a result of the generous fill hopper.
- The Terra Select 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 loading height, large fill hopper

Dimensions



mm

Working position:
length 10,300, width 6,180
Transport position:
length 10,300, width 2,550

Engine



Diesel motor 25 kW

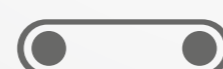
Trommel



mm

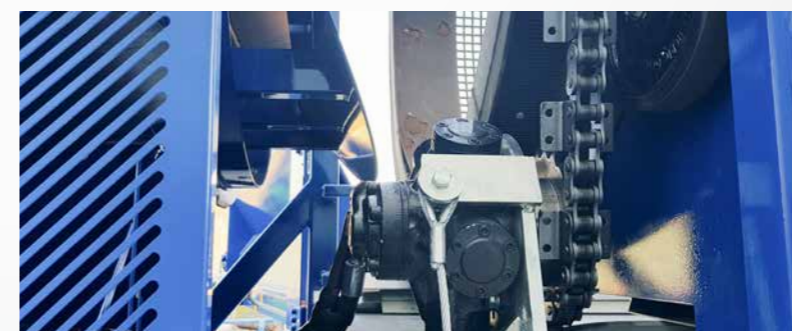
Trommel length 3,200,
Trommel diameter 1,600,
Effective screening area 14.5 m²,
Screening output
up to 60 m³/h

Fine grain belt, Oversize grain belt, Hopper



mm

length 4,100, width 600,
length 3,500, width 600,
Hopper > 2.5 m³



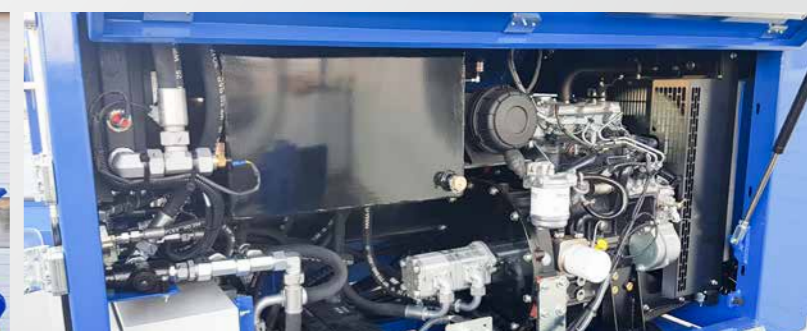
Positive trommel drive



Easy and simple trommel changes



Large hopper



25 kW diesel motor with
extremely low fuel consumption

Terra Select T 40



Smaller Machine – with Technical Advantages of the »Big Machines«

For the model T 40, Terra Select compressed the technical advantages of the “big machines” and transferred them into a smaller one. As a result, it also contains the special hopper drive, a powerful diesel motor, hot dip galvanized conveyor belt frames, generous transfer points and wide conveyor belts. The Terra Select 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, construction and demolition waste, etc. without any difficulties.
- The Terra Select 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 m² screening area, wide conveyor belts

Dimensions



mm

Working position:
length 11,860, width 4,950
Transport position:
length 9,800, width 2,550

Engine



Diesel motor 55 kW

Trommel



mm

Trommel length 4,200,
Trommel diameter 1,600,
Effective screening area 19 m²,
Screening output
up to 100 m³/h

Fine grain belt, Oversize grain belt, Hopper



mm

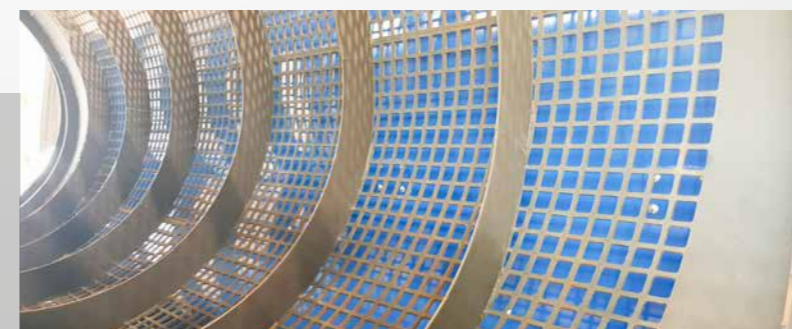
length 3,400, width 800,
length 3,400, width 800,
Hopper > 3.4 m³



Long conveyor belts



Plain text display



Punch plate steel drum



One piece fine grain belt

Terra Select T 50



All-Rounder among the Trommel Screening Machines

The Terra Select T 50 is the all-rounder among the trommel screening machines. The Terra Select 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 Terra Select T 50 is equipped with a large fill hopper with a volume of more than 6 m³.
- Many of the Terra Select T 50's drive elements originated in its "big brother", the Terra Select 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, wide conveyor belt, extra big hopper

Dimensions



mm

Working position:
length 14,100, width 6,140
Transport position:
length 11,000, width 2,550

Engine



Diesel motor 55 kW

Trommel



mm

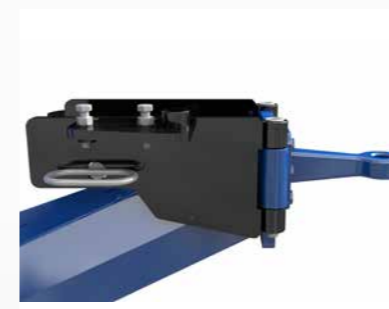
Trommel length 4,500,
Trommel diameter 2,000,
Effective screening area 25 m²,
Screening output
up to 150 m³/h

Fine grain belt, Oversize grain belt, Hopper

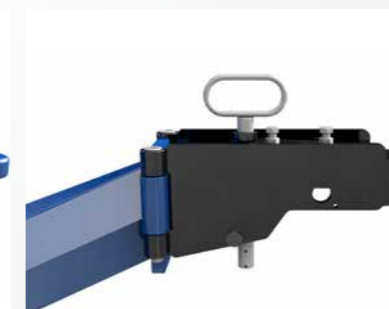


mm

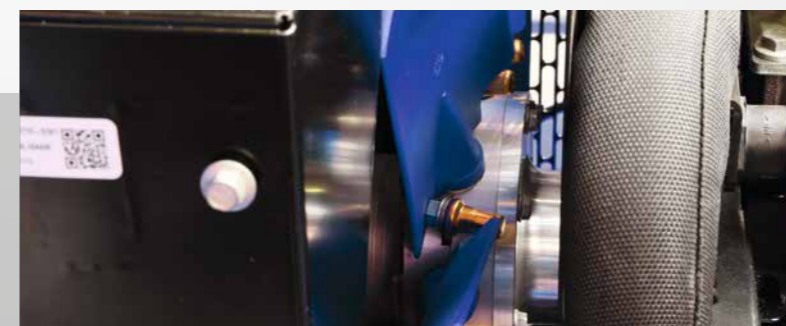
length 6,700, width 1,000,
length 4,900, width 1,000,
Hopper > 6 m³



Hinged gusset shoe



Central lubrication system



Reversing fan



Screening trommel with wire segments

Terra Select T 60



High Throughput Performance and many Innovative Design Solutions

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 star screening decks or windsifters. The pivoting infeed unit makes the daily manoeuvring of the machine easy for the personnel.

- The Terra Select 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 m³/h.
- The positive fitting drive for the infeed conveyor belt stops and starts automatically depending on the amount of material in the drum, preventing an overloaded screening drum.

Special features:

- Optional extra long fine grain belt 8,060 mm, 33 m² screening area, powerful 81 kW diesel motor

Dimensions



mm

Working position:
length 15,230, width 6,200
Transport position:
length 12,000, width 2,550

Engine



Diesel motor 81 kW

Trommel



mm

Trommel length 5,500,
Trommel diameter 2,200,
Effective screening area 33 m²,
Screening output
up to 200 m³/h

Fine grain belt, Oversize grain belt, Hopper



mm

length 6,700, width 1,000,
length 4,900, width 1,200,
Hopper > 6 m³



Extra long fine grain belt



Terra Select T 60 track version



Brush cleaning springs



Wheel-driven power unit

Terra Select T70



Most Powerful, Mobile Trommel Screening Machine

The model Terra Select 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 trommel are perfectly suited for screening all kinds of waste.

- The Terra Select T 70 achieves a screening performance of up to 250 m³/h using an effective screening area of approx. 46 m².
- 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

Dimensions



mm

Working position:
length 16,860, width 6,190
Transport position:
length 13,600, width 2,550

Engine



Diesel motor 81 kW

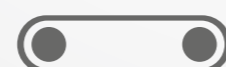
Trommel



mm

Trommel length 7,500,
Trommel diameter 2,200,
Effective screening area 46 m²,
Screening output
up to 250 m³/h

Fine grain belt, Oversize grain belt, Hopper



mm

length 6,700, width 1,000,
length 4,900, width 1,000,
Hopper > 6.5 m³



Remote control



Auxiliary drive



Stone separation belt for rolling material



Hopper grate

Terra Select **DT 60**



Double Trommel – for many Applications

The Terra Select DT 60 is based on the model Terra Select T 60. Its enlarged screening area makes the Terra Select 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 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 m³/h.
- The Terra Select 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 Terra Select T 60 single trommel

Dimensions



mm

Working position:
length 15,230, width 9,900
Transport position:
length 12,000, width 2,550

Engine



Diesel motor 81 kW

Trommel



mm

Trommel length 5,500,
Trommel diameter
(ext.) 2,200, (in.) 1,600,
Effective screening area 49 m²,
Screening output
up to 120 m³/h

Fine grain belt,
Medium grain belt,
Oversize grain belt,
Hopper



mm

length 6,700, width 800,
length 6,700, width 1,000,
length 4,900, width 1,000,
Hopper > 6 m³



Magnetic head roller



Screening trommel with wire segments

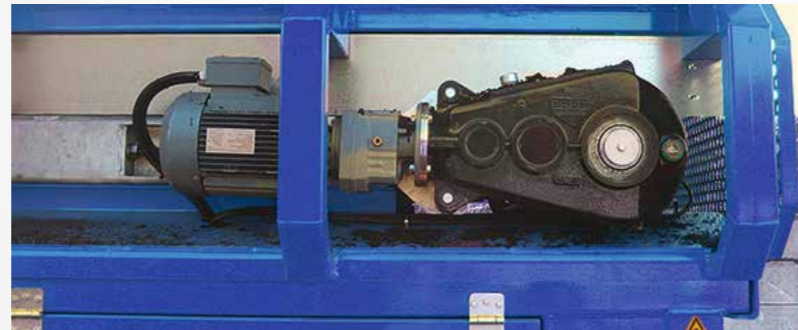
Electrical Machines

The Terra Select E-series - Professional Machines with Power!

- Experienced manufacturer: Terra Select has many years of experience with electric and hybrid (diesel-electric) drives.
- Energy and cost efficient: The electric or hybrid powered machines with power from the public grid have energy savings up to 70%.
- Easy handling: The E-Series impresses with low maintenance and service costs.
- Emission and noise reduced: The machines from the E-Series are perfect for indoor applications.



Electric conveyor belt drive



Electric hopper drive



Diesel-Generator at a hybrid machine

The Perfect Combination for Recycling from Eggersmann:

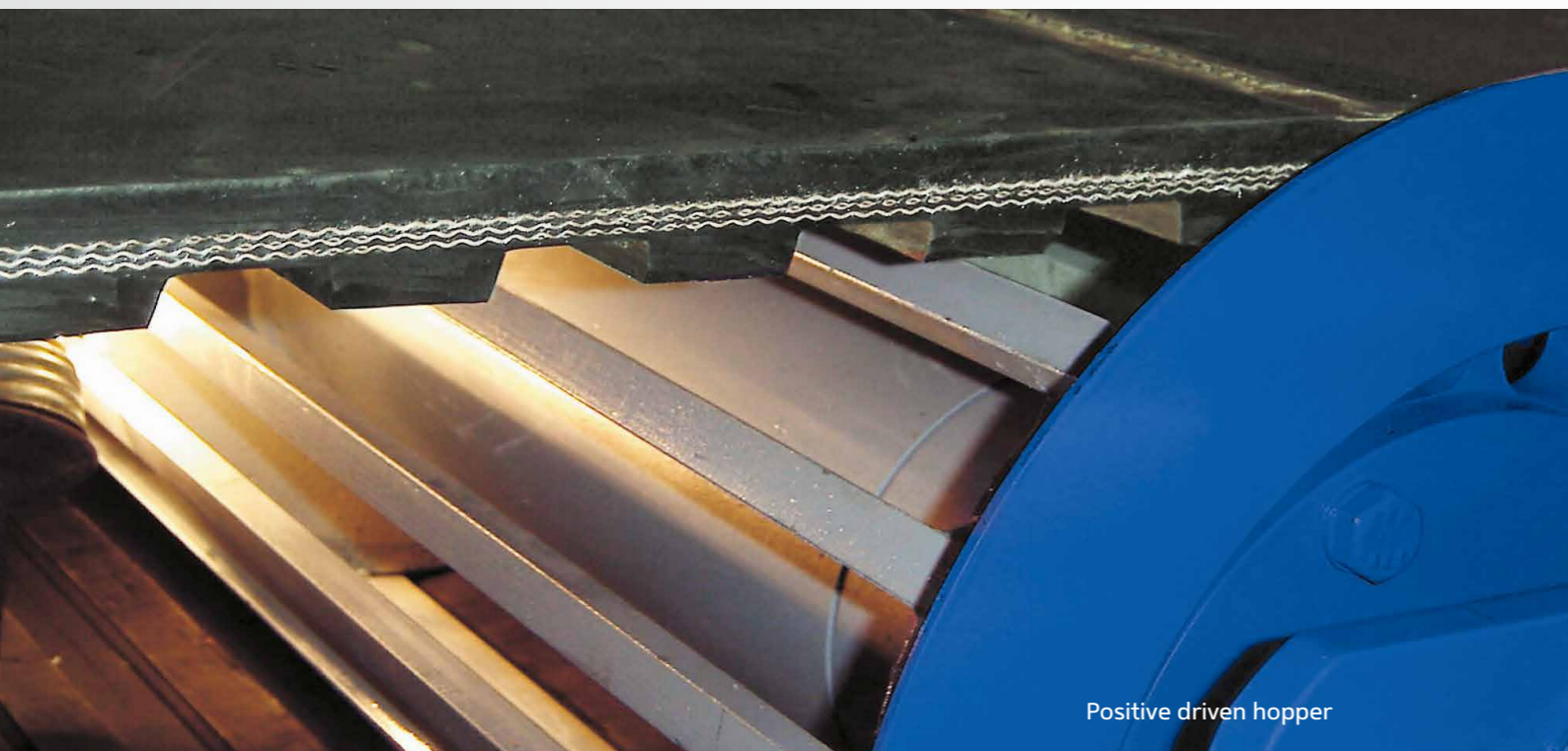


Star Screens

Special Features



Lubo Quickdisconnect



Positive driven hopper



Lubo cleaning system



Windsifting



One piece fine grain belt

Terra Select **R 60 / R 70**



Terra Select **SI 60**



Mobile Screening Panel

The mobile Terra Select R 60 or Terra Select R 70 Screening Panel is used to achieve further fractioning downstream of Terra Select trommel screening machines. The screening panel is set up behind the fine or coarse-grain conveyor and powered by the optional auxiliary drive of the trommel screening machine.

- Flexibility: 3-fraction screening if required, otherwise the full performance capability of a Terra Select trommel screening machine without the screening panel.
- Mobility: The Terra Select R 60 Screening Panel can be transported on the infeed hopper of a Terra Select T 50 or Terra Select T 60 using hydraulic folding supports and a mounting for the rapid changer of a suitable wheel loader.
- The Terra Select R 70 Screening Panel is ideal for achieving greater throughput rates or as an oversize grain separator, thanks to the larger screening surface. The Terra Select R 70 Screening Panel can be equipped for transporting on a hook lift platform.

Special features:

- Cost-effective screening for further fractioning, folding supports for mobile applications








Expand Application Possibilities, Increase Flexibility

The Terra Select SI 60 Screening Panel Insert from Terra Select has been developed for the Terra Select T 60 trommel screening machine to expand its application options and increase its flexibility.

- Efficiency: Simple replacement of the screening trommel with the Screening Panel Insert enhances the screening capacity of the Terra Select T 60 for certain materials by up to 40%.
- Flexibility: Star screening technology can be used here in a trommel screening machine for applications which require greater throughput rates (e. g. for compost). Where the application purpose changes again, the Screening Insert can be removed in no time at all and the screening trommel is ready for use again.
- The Screening Insert is equipped with an aggressive dosing roller for optimum material distribution and is powered using the auxiliary drives of the screening machine.

Special features:

- Quick changing between star screening technology and the screening trommel — one machine for every application

Dimensions	Engine	Screening dimensions	Conveyor belt	Dimensions	Engine	Throughput
 mm		 mm	 mm	 mm		
Working position: R 60 - length 5,820, width 2,200, height 2,700 R 70 - length 5,190, width 2,400, height 2,700 Transport position: R 60 - length 3,590, width 2,200, height 1,870 R 70 - length 5,190, width 2,400, height 1,870	electric driven or hydraulic through Trommel Screen	R 60 - length 3,300, width 1,000 R 70 - length 4,900, width 1,000	optional, length 2,100, width 1,000	Working position / Transport position: length 5,500, width 1,200, height 2,150	n/a through T60 Trommel screen	up to 280 m³/h

Terra Select **HKS 50**







Most Complete Mobile Solution for Oversized Separation or Fine Fraction Screening

The Terra Select HKS 50 is a hook lift mobile screening machine which can be used downstream of a trommel screening machine or shredder. It can be employed as a completely mobile solution for oversize separation or fine fraction screening.

- Flexibility: The integrated optional diesel generator transforms the Terra Select HKS 50 into a completely independent screening machine. The cassette design of the screening panels ensures that the Terra Select HKS 50 is ready for quick, uncomplicated screening panel changes.
- Customer orientation: A variety of addition equipment options mean that the Terra Select HKS 50 can be optimally adapted to suit customer wishes. For example, hydraulic supports can be ordered to raise the complete screening machine. This option enables the achievement of a larger material cone under the discharging conveyors.
- The Terra Select HKS 50 achieves much more impressive screening capacities as a 2-fraction screening machine, thanks to generously dimensioned conveyor belts and a screening surface of 5.5 m².

Special features:

- Compact design, dedicated drive for independent operation

Dimensions	Engine	Screening dimensions	Fine grain belt, Coarse grain belt
 mm	 Diesel generator 48 kVA	 mm	 mm
Working position: length 9,000, width 5,740, height 3,350 Transport position: length 6,500, width 2,550, height 2,780		length 4,600 width 1,200	length 6,100, width 1,000, length 4,100, width 1,340



Cassette construction of the screening decks

Terra Select S 60



Easy Handling

Customer expectations of a recycling machine in this performance class have played a decisive role in the development of the Terra Select S 60. The wide, one-piece discharge conveyors are ideally arranged opposite to each other and facilitate movement of the machine into the working position. Large maintenance flaps provide exemplary access to the machine. A high tilting wall facilitates feeding of material into the large hopper. This prevents the material from tipping over during the loading process. The standard machine equipment meets every requirement.

- The Terra Select S 60 is extremely economical, thanks to the entirely electric drive with an optional diesel generator.
- The Terra Select S 60 Star Screen impresses through high throughput rates of up to 300 m³/h during 3-fraction screening.
- Applications: biomass, bark, waste wood, compost, wood chips

Special features:

- Maintenance-friendly structure, fast shaft change, different steel and rubber stars available

Dimensions



mm

Working position:
length 12,700, width 10,950,
height 3,310
Transport position:
length 12,000, width 2,550,
height 4,000

Engine



Diesel generator
72 kVA

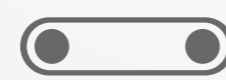
Coarse screening panel, Fine screening panel, Throughput



mm

length 4,300, width 1,200,
eff. screening area 5 m²,
length 6,900, width 1,200,
eff. screening area 8.3 m²,
up to 300 m³/h

Fine grain belt, Medium grain belt, Oversize grain belt, Hopper



mm

length 7,200, width 1,000,
length 7,200, width 1,000,
length 2,000, width 1,340,
Hopper > 7 m³



Wear plates on polyurethane screening stars



Numerous different star configurations are available



Compressor for cleaning



Windsifter

Windsifter

Material Comparison

Terra Select **W 80**

heavy-heavy-separation



Basic material construction waste



cleaned



extraneous material



Terra Select **W 80**

heavy-heavy-separation



Basic material waste wood



cleaned



extraneous material



Terra Select **W 70**

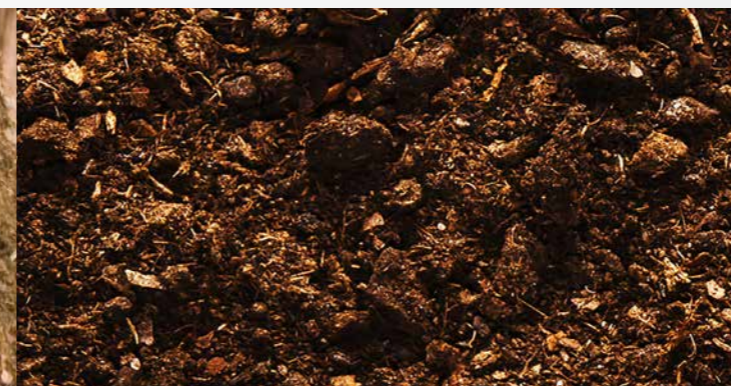
light-heavy-separation



Basic material compost



cleaned



extraneous material



Terra Select V 40 / V 60



For Continuous Cleaning of Coarse Grain Material

The Terra Select V 40 / V 60 Windsifter can be used for continuous cleaning of coarse grain material when screening with a trommel screening machine. It is fitted to the end of the coarse grain conveyor. Air is blown under the material and impurities are siphoned away. The Terra Select V 40 / V 60 Windsifter is powered hydraulically via the screening machine or electrically.

- The Terra Select V 40 and V 60 Windsifter operate with a suction/pressure fan with a capacity of 20.5 kW. This fan is mounted on the container which is filled with the impurities to be siphoned.
- The siphon unit is moved with ease using the prongs of a forklift truck or a quick-change unit.
- Applications: biomass fractions, compost, recycling materials

Special features:

- Ease of handling, efficient, cost-effective solution

Dimensions



mm

Engine



hydraulic via trommel screen
or
electric 20.5 kW

Suction / Pressure fan



up to 20.5 kW

Terra Select V 70



Air Lift Separator

The Terra Select V 70 is an air lift separator, designed for the removal of paper, plastics and other light materials from compost, wood and other streams of heavy waste. The Terra Select V 70 comes in an electric model.

It works through a system of a heavy duty fan, air hose and funnel. The funnel is placed over the moving stream of waste (e.g.: conveyor belt), and filters lighter material such as paper.

The machine is standalone, placed on a frame with forklift lifting points which makes it easy to move around.

Dimensions



mm

Engine



Electric motor 15 kW

Suction / Pressure fan



up to 15 kW

Discharge containment



Filter Sock, container

Working position / Transport position:
width 2,730, height 1,460

length 2,100 or 2,500,
width 1,700, height 1,500

Terra Select **W 70**



For Cleaning Light Impurities out of Screen Overflows

The Terra Select W 70 Windsifter is designed for cleaning light impurities out of screen overflows in composting and biomass recycling. Impressive cleaning performances are achieved, thanks to a dedicated infeed hopper with an integrated dosing roller, and it is completely mobile. Materials which have already been screened can be cleaned of impurities completely independently of the screening machine.

- The infeed hopper is equipped with the proven positive-fitting drive system of the Terra Select trommel screens. In addition, a dosing roller ensures an even infeed of material into the machine.
- The Terra Select W 70 Windsifter impresses with a high, continuously adjustable cleaning level at throughput rates of up to 80 m³/h.
- The machine is a maintenance-friendly design, and all functions are hydraulically powered.

Special features:

- Hopper with dosing roller, stone separation and magnet roller

Dimensions



mm

Working position:
length 13,620, width 2,550,
height 4,000
Transport position:
length 10,560, width 2,550,
height 4,000,
conveyor belt length 2,700

Engine



Diesel motor 55 kW

Suction fan, Pressure fan, Throughput



up to 22 kW,
up to 5.5 kW,
up to 80 m³/h

Acceleration belt, Discharge belt, Stone separation belt, Hopper



mm

length 3,400, width 1,300,
length 3,900, width 1,000,
length 2,100, width 1,000,
Hopper > 4 m³



Destoner belt



Magnet roller



Dosing roller



Hinged gusset shoe

Terra Select **W 80**



Designed for Separating Heavy Materials

The Terra Select W 80 Windsifter is designed for separating heavy materials. For example, stones can be separated from woody materials. Wood from construction and demolition waste can be separated and used as substitute fuels using this machine. The Terra Select W 80 Windsifter is ideally equipped for use with numerous different materials.

- The infeed hopper is equipped with the proven positive-fitting drive system of the Terra Select trommel screens. In addition, a dosing roller ensures an even infeed of material into the machine.
- The Terra Select W 80 Windsifter impresses with a high, continuously adjustable cleaning level at throughput rates of up to 120 m³/h.
- The Terra Select W 80 offers easy accessibility to all components.

Special features:

- Energy efficient direct drive, hopper with dosing roller, optional discharge conveyor for light fraction, machine control via central display

Dimensions



mm

Working position:
length 11,960, width 6,230,
height 3,770
Transport position:
length 11,960, width 2,550,
height 3,770

Engine



Diesel motor 81 kW

Pressure fan, Throughput



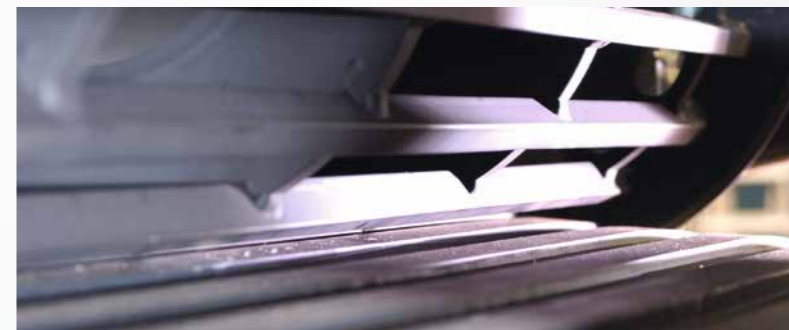
up to 45 kW,
up to 120 m³/h

Discharge conveyor - heavy fraction, Hopper



mm

length 6,700,
width 1,000,
Hopper > 4 m³



Positive belt driven hopper



Big service doors



Plain text display



Corrugated sidewall belt

The Perfect Combination for Recycling from Eggersmann:

TEUTON

Shredding material



BEKON

Dry fermentation



Exposed material



Digestate



Terra Select

Screening material



Compost



BACKHUS

Turning material



Fine material



Terra Select

Sifting material



Plastic



Coarse grain material



Stones



Metals

Commercial waste



Bio waste





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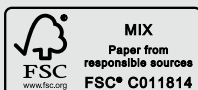
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