



Trommel Screens | Star Screens | Windsifters

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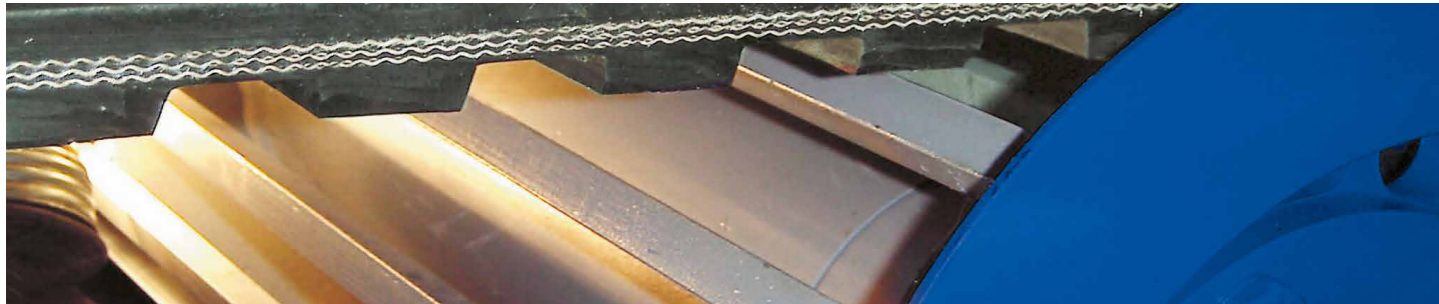
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Trommel Screens

Special features



Positive trommel drive



Positive belt driven hopper



One piece fine grain belt



Extended fine grain belt



Quick trommel changes



Brush cleaning springs



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



Long conveyor belts



Plain text display



Punch plate steel drum



One piece fine grain belt

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.

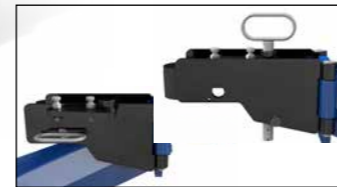




- › The Terra Select **T 50** has a trommel diameter of 2,000 mm (normal in this class: 1,800 mm); increasing the screening performance by up to 20%.
- › Accordingly, the Terra Select **T 50** is equipped with a large fill hopper with a volume of more than 6 m³.
- › Many of the Terra Select **T 50**'s 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



Hinged gusset shoe



Central lubrication system



Reversing fan



Screening trommel with wire segments

T 55

A new class for Terra Select

The trommel screen **T 55** machine represents the start of a whole new era for Terra Select within its classes of trommel screens. The newly developed **T 55** is positioned and fills the gap between the **T 50** and **T 60** models. Just like the other trommel screen models from the Terra Select brand, this standardised machine impresses with its innovative solutions and flexible handling. In addition, the drive system of the **T 55** is both compatible with Terra Select trommel screens and rotary screening drums from other brand manufacturers.





- › Back to Basic: The new Terra Select **T 55** trommel screening machine has been kept to the basic essentials, but nevertheless still gives optimum performance without extra fittings.
- › One for All: The Terra Select **T 55** not only runs with its own trommel screen, it is also compatible with the trommel screens of other brands.
- › Big in Business: Large trommel screens need to be kept full. The large size of the feed hopper of the **T 55** trommel screening machine, at 5 m³, is a distinct advantage.
- › Perfect Match: The Terra Select **T 55** also features fast availability and the highest level of reliability at a price performance ratio that cannot be equalled.



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 (75 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 75 kW diesel motor



Extra long fine grain belt



Track version



Brush cleaning springs



Wheel-driven power unit

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.



T70



- › 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



Remote control



Auxiliary drive



Stone separation belt for rolling material



Hopper grates

The Terra Select **E**-series

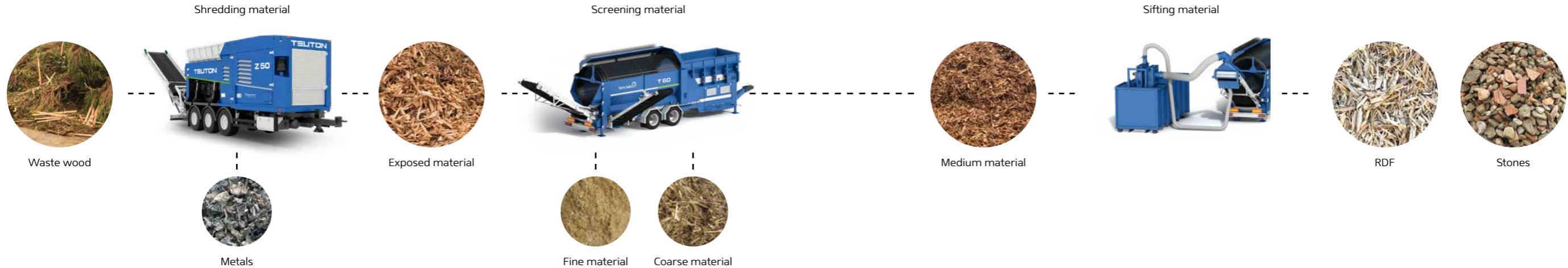
Professional Machines with Power!

- › 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.





The Perfect Combination for Recycling from Eggersmann



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



Wear plates on polyurethane screening stars



Numerous different star configurations are available

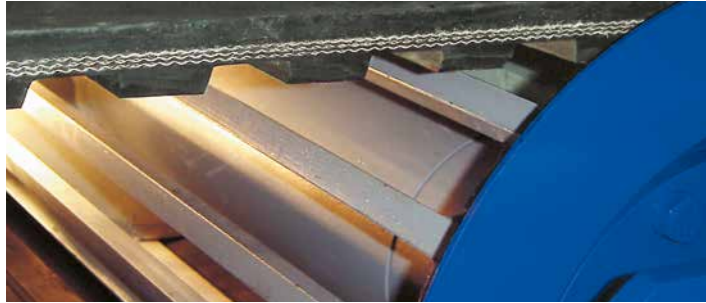


Compressor for cleaning

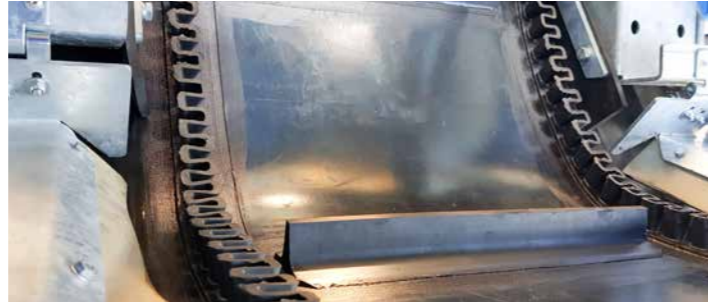


Windsifter

Special features:



Positive driven hopper



One piece fine grain belt



Lubo Quickdisconnect



Windsifting



Lubo cleaning system

R 60



R 70

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.





R60 / R70

- › 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 **R60** Screening Panel can be transported on the infeed hopper of a Terra Select **T50** or Terra Select **T60** using hydraulic folding supports and a mounting for the rapid changer of a suitable wheel loader.
- › The Terra Select **R70** Screening Panel is ideal for achieving greater throughput rates or as an oversize grain separator, thanks to the larger screening surface. The Terra Select **R70** 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

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.

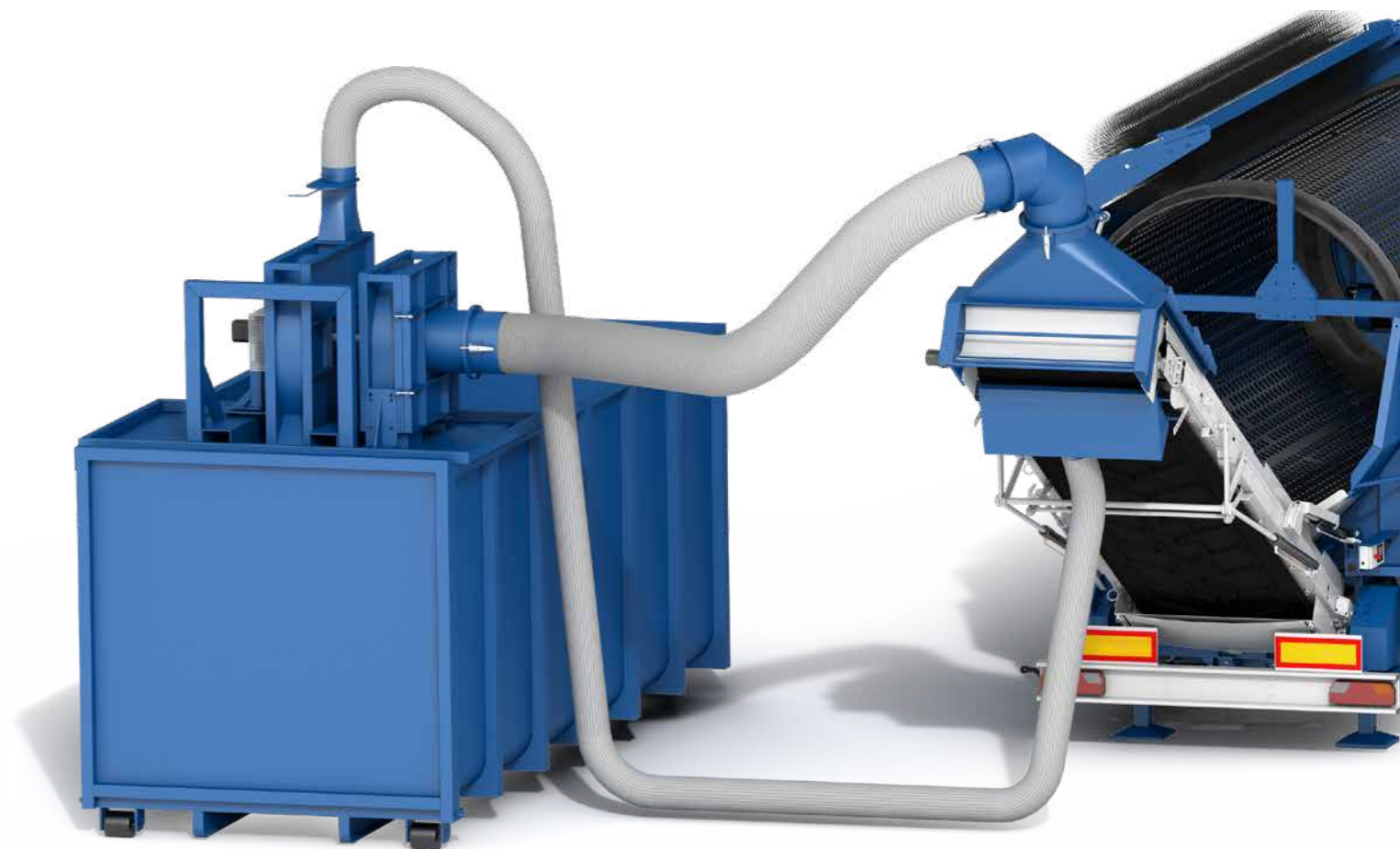


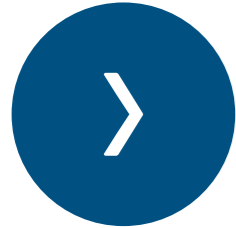
V 40 / V 60

- › 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





The Perfect Combination for Recycling from Eggersmann



Commercial waste



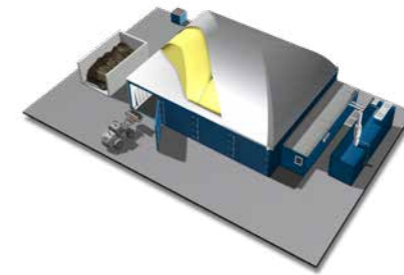
Bio waste



Shredding material



Exposed material



Dry fermentation



Digestate



Screening material



Compost



Turning material



Fine material



Sifting material



Plastic



Coarse grain material



Stones



Metals

	T 40	T 50	T 55	T 60	T 70
Dimensions					
Working position	L 11,860 B 4,950	L 14,100 B 6,140	L 15,230 B 6,200	L 15,230 B 6,200	L 16,850 B 6,190
Transport position	L 9,800 B 2,550	L 11,200 B 2,550	L 12,000 B 2,550	L 12,000 B 2,550	L 13,600 B 2,550
Engine	Diesel engine 55 kW	Diesel engine 55 kW	Diesel engine 55 kW	Diesel engine 75 kW	Diesel engine 75 kW
Trommel					
Trommel L	4,200	4,500	5,500	5,500	7,500
Trommel Ø	1,600	2,000	2,000	2,200	2,200
Effective screening area	19 m ²	25 m ²	30 m ²	33 m ²	46 m ²
Screening output	up to 100 m ³ /h	up to 150 m ³ /h	up to 170 m ³ /h	up to 200 m ³ /h	up to 250 m ³ /h
Fine grain belt	L 6,700 mm (3,400*) B 800	L 6,700 mm (8,060*) B 1,000	L 7,200 B 1,000	6,700 mm (8,060*) B 1,000	L 6,700 mm (8,060*) B 1,000
Oversize grain belt	4,900 mm (3,400*) B 800	L 4,900 mm (5,900*) B 1,000	L 4,900 B 1,000	L 4,900 mm (5,900*) B 1,200	L 4,900 mm (5,900*) B 1,000
Hopper	> 3.4 m ³	> 6 m ³	> 5 m ³	> 6 m ³	> 6.5 m ³

*optional

	S 60	V 40 V 60	R 60 R 70
Dimensions			
Working position	L 12,700 B 10,950 H 3,310	B 2,730 H 1,460	R 60 L 5,820 B 2,200 H 2,700
Transport position	L 12,000 B 2,550 H 4,000	B 2,730 H 1,460	R 70 L 5,190 B 2,400 H 2,700
Engine	Diesel generator 80 kVA	hydraulic via trommel screen or electric 20.5 kW	R 60 L 3,590 B 2,200 H 1,870 R 70 L 5,190 B 2,400 H 1,870
Coarse screening panel	L 4,300 B 1,200, eff. screening area 5 m ²	Suction / Pressure fan up to 20.5 kW	Engine electric driven or hydraulical through Trommel Screen
Fine screening panel	L 6,900 B 1,200, eff. screening area 8.3 m ²		
Throughput	up to 300 m ³ /h		
Fine grain belt	L 7,200 B 1,000		Screening dimensions R 60 L 3,300 B 1,000 R 70 L 4,900 B 1,000
Oversize grain belt	L 7,200 B 1,000		
Oversize grain belt	L 2,000 B 1,340		
Hopper	> 7 m ³		Conveyor belt Optional L 2,100 B 1,000



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1. All specifications, descriptions and illustrations are subject to change without prior notice.
2. Illustrations and descriptions may include options that are not part of the standard equipment.