

STAR SCREENS

MOBILE MACHINES PRODUCT OVERVIEW



...together we make the *difference!*



// NEUENHAUSER RECYCLING TECHNOLOGY

Separation made easy!

The simple operation and the high maintenance friendliness are two of the outstanding features of the Neuenhauser star screens. Thanks to a hybrid drive, they guarantee high performance combined with high energy efficiency. Supplemented by the product range of **EUROPRESS UNWELTECHNIK EP**, Neuenhauser Recycling Technology is an international full-service provider for the environmental industry.



Optimum screening results as desired

With our mobile star screens for biomass preparation and recycling of domestic, residual and commercial waste, we are setting new standards in the field of technically sophisticated screening. The Neuenhauser star screen machines are available in wheel or track-mounted design and are particularly easy to use. The screened material is separated into 2 or 3 fractions as required.

Mechanical separation to the latest standards

The modern star screen machines from Neuenhauser Recycling Technology separate, sort and screen a wide variety of materials. Thanks to an extensive package of optionally available additional equipment, it can be equipped according to the customers' requirements.

At the heart of the star screens are the rotating stars, which dynamically tap off adhering fines and optimally separate the material into the desired grain sizes. Thanks to many years of experience and distinctive expertise as well as a comprehensive range of different types of stars to be used, Neuenhauser finds the optimal solution for every customer-specific application.

Our star screens are offered with a diesel drive as standard. As an option, the machines can be equipped with a hybrid drive, so that in case of an existing power supply at the place of operation, the star screen can be supplied directly from the socket at a low cost.



SCREENING TECHNOLOGY 2 FRACTION STAR SCREENS



Removable diesel generator

Engine management system with 'ECO' mode for consumption optimization

Large feed hopper

Additional hopper extension

Option: Dosing auger, height-adjustable (also by remote control)

Variety of different stars for different applications

Option: Oversize conveyor belt extension, discharge height 4 m

Long discharge belts with hot galvanized frame, optionally available in extra wide version

Walkway along the screen deck, optionally available in double width

Telematics Diagnostic System



Wheel- or track-mounted design

Modular design

Extendable maintenance platform for improved ease of maintenance and good accessibility

High stability thanks to hydraulic support legs

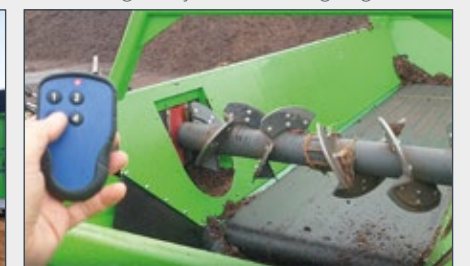
Option: Hybrid and electric drive



Quick-change screen decks



Height-adjustable dosing auger



2 FRACTION STAR SCREEN

SUPERSCREENER 2F

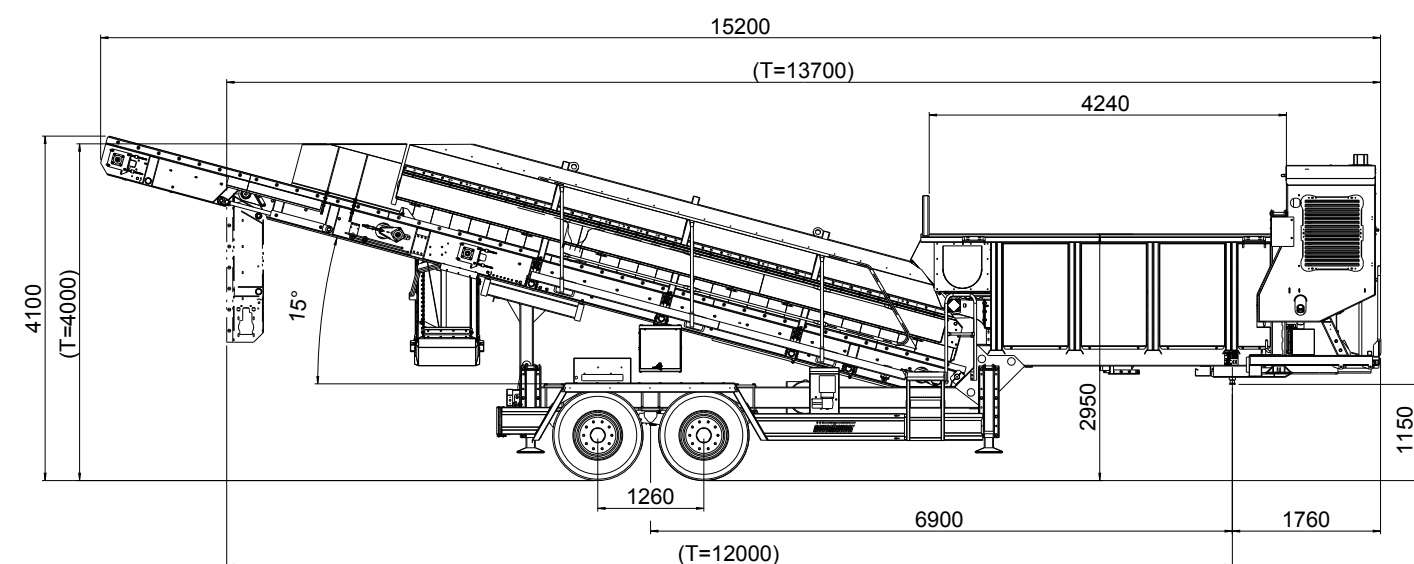
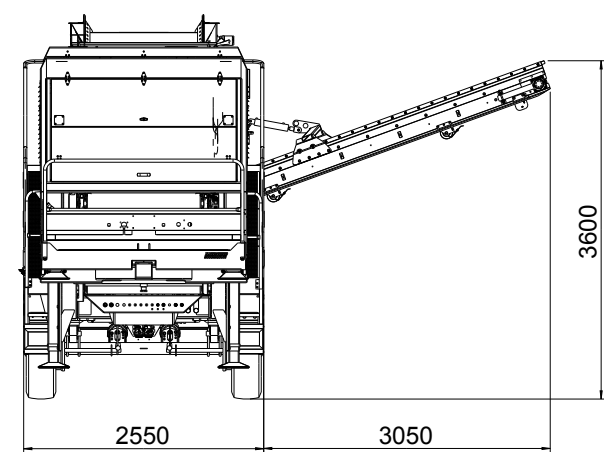
SEMI-TRAILER / FIFTH-WHEEL TRAILER



SEPARATION CAN BE SIMPLE!

Simple operation and high ease of maintenance are two of the outstanding features of the 2F star screen trailer.

The compact screening machine is used for applications such as the processing of biomass, wood recycling and the resource-friendly soil treatment.



T = Dimensions in transport position

	Semi-trailer / fifth-wheel trailer for 80 km/h as per StVZO, with ABS	Semi-trailer / fifth-wheel trailer for 80 km/h as per StVZO, with ABS
Total weight	approx. 16.000 kg	approx. 16.000 kg
Drive	Hybrid	Diesel hydraulic
Output	Power unit 110 kVA Electric motor 55 kW	Diesel engine 86 kW / 117 hp <i>optional higher performance possible</i>
Emission standard	In accordance with the latest emission standard	In accordance with the latest emission standard
Cubic capacity	4,5 litres	4,5 litres
Fuel tank	300 litres	300 litres
Hopper volume	up to 7,5 m ³	up to 7,5 m ³
Screen deck		
Width	1.250 mm	1.250 mm
Length	6.900 mm	6.900 mm
Fractions	10 - 200 mm	10 - 200 mm
Star size	300, 287, 230, 216 or 170 mm	300, 287, 230, 216 or 170 mm
Star speed	0 - 230 rpm, infinitely variable	0 - 230 rpm, infinitely variable



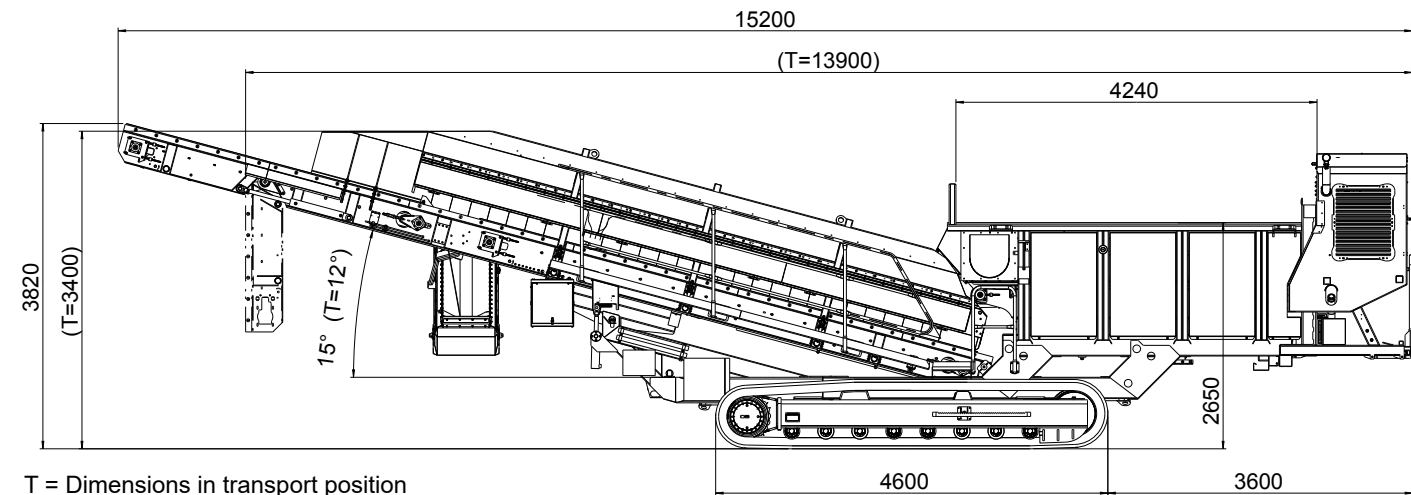
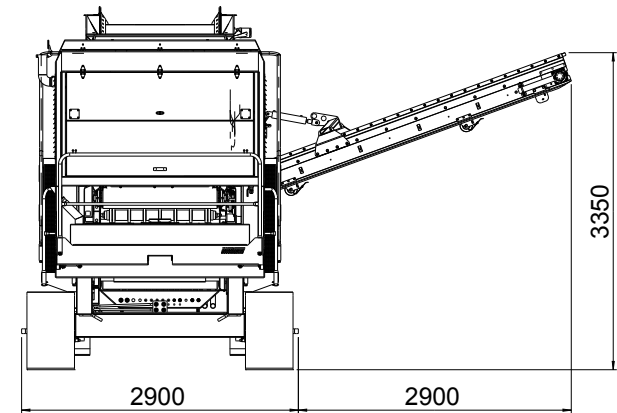
2 FRACTION STAR SCREEN SUPERSCREENER 2F TRACKED CHASSIS FRAME



STARS ON CHAINS

Supported by a strong tracked chassis, the 2F star screen crawler masters even tasks in difficult terrain safely and efficiently.

Its various fields of application in waste management include biomass and soil treatment according to the user’s individual requirements.



T = Dimensions in transport position

	Self-driving tracked chassis frame; two travel speeds	Self-driving tracked chassis frame; two travel speeds
Total weight	approx. 22.000 kg	approx. 22.000 kg
Drive	Hybrid	Diesel hydraulic
Output	Power unit 110 kVA Electric motor 55 kW	Diesel engine 86 kW / 117 hp <i>optional higher performance possible</i>
Emission standard	In accordance with the latest emission standard	In accordance with the latest emission standard
Cubic capacity	4,5 litres	4,5 litres
Fuel tank	300 litres	300 litres
Hopper volume	up to 7,5 m³	up to 7,5 m³
Screen deck		
Width	1.250 mm	1.250 mm
Length	6.900 mm	6.900 mm
Fractions	10 - 200 mm	10 - 200 mm
Star size	300, 287, 230, 216 or 170 mm	300, 287, 230, 216 or 170 mm
Star speed	0 - 230 rpm, infinitely variable	0 - 230 rpm, infinitely variable



2 FRACTION STAR SCREEN

SUPERSCREENER 2F-PLUS

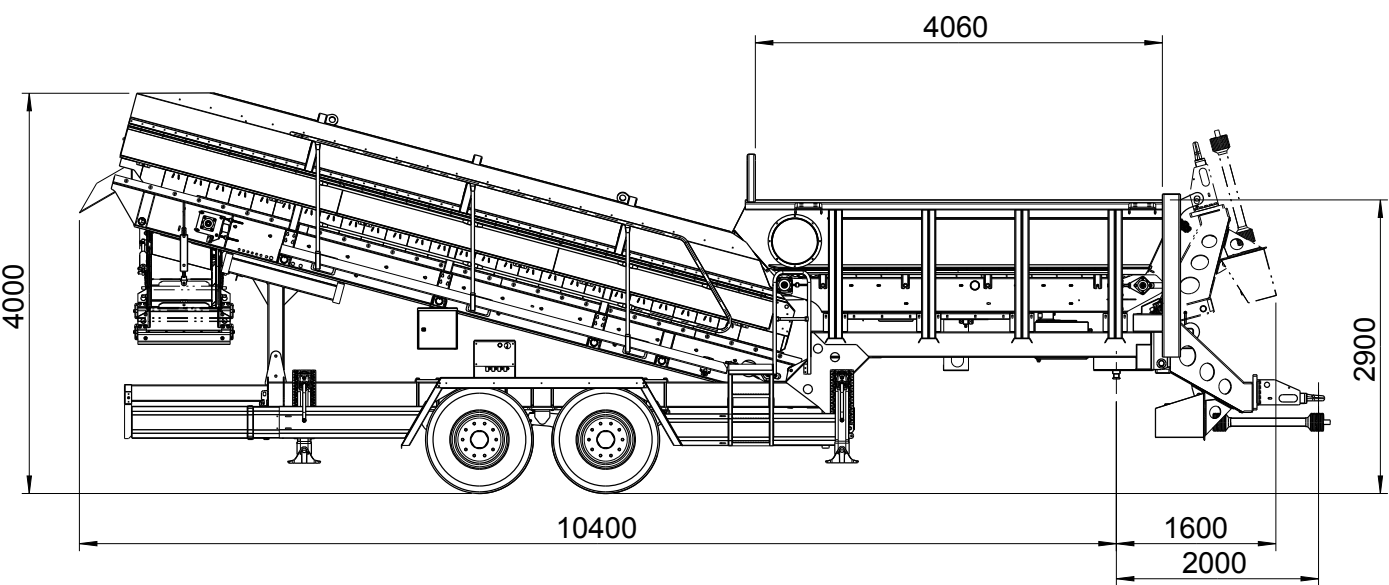
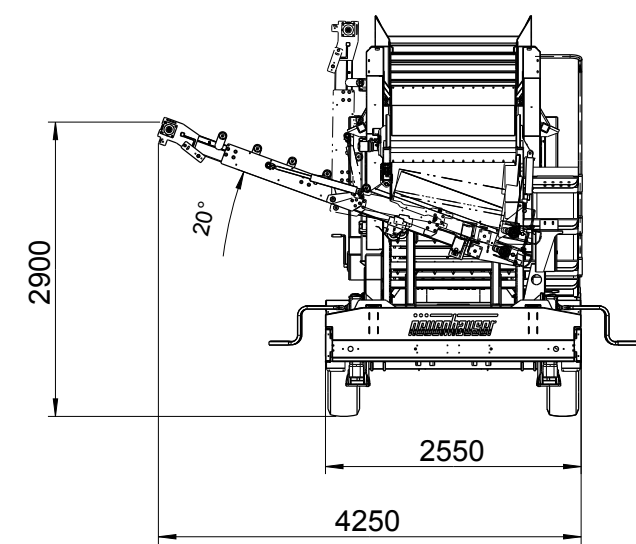
SEMI-TRAILER / TOW BAR COMBINATION



TRAILER-FAST TRANSPORT

Compact, cost-efficient and easy to operate, the 2F-Plus is a convenient star screen for the clean processing of waste wood, green waste, coal, household waste and other residual materials.

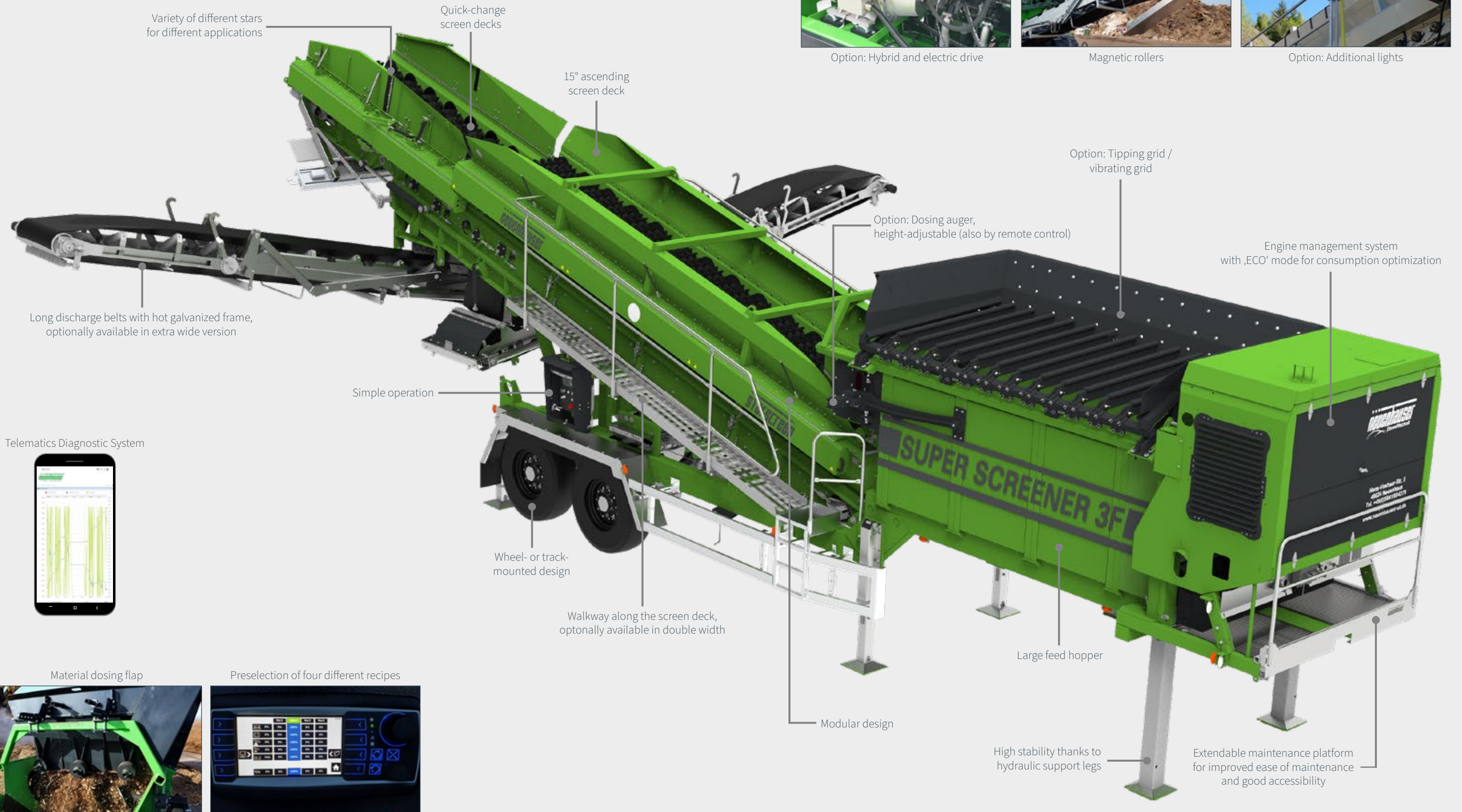
The 2F-Plus star screen does not have its own diesel engine, but is powered by the PRO-Drive of a tractor and can be easily and safely transported to any location as a semi-trailer or trailer.



Combination version (semi-trailer and trailer) for 80 km/h as per StVZO, with ABS	
Total weight	approx. 16.000 kg
Drive	Diesel hydraulic (PTO-Drive)
Hopper volume	5 m³
Siebdeck	
Width	1.250 mm
Length	6.900 mm
Fractions	10 - 200 mm
Star size	300, 287, 230, 216 or 170 mm
Star speed	0 - 230 rpm, infinitely variable



SCREENING TECHNOLOGY 3 FRACTIONS STAR SCREENS



3 FRACTION STAR SCREEN

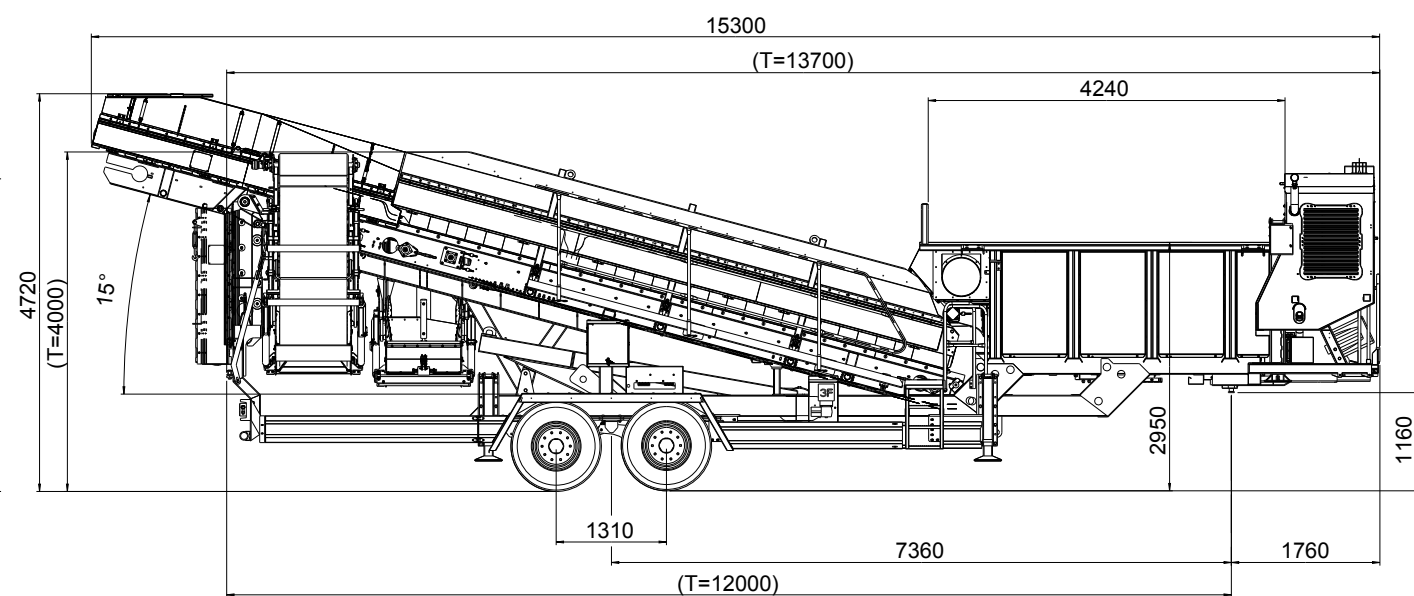
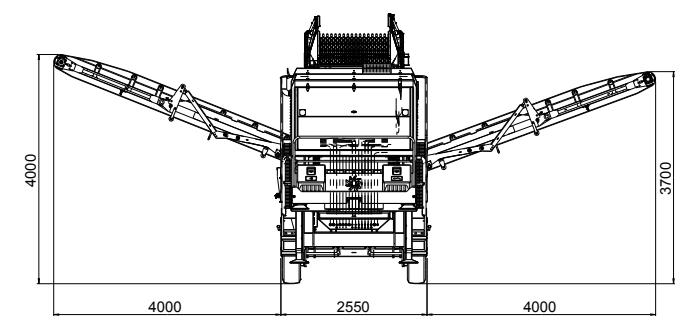
SUPERSCREENER 3F SEMI-TRAILER / FIFTH-WHEEL TRAILER



FINE FIRST, COARSE LATER

The 3F starscreen semi-trailer achieves top performance in soil remediation, the processing of biomass and the recycling of various waste materials such as domestic, garden and commercial waste.

The low fuel consumption not only saves costs, but also protects the environment. By fine before coarse screening, the 3F star screen semi-trailer ensures energy-saving and thus environmentally friendly efficiency.



T = Dimensions in transport position
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	Semi-trailer / fifth-wheel-trailer for 80 km/h as per StVZO, with ABS	Semi-trailer / fifth-wheel-trailer for 80 km/h as per StVZO, with ABS
Total weight	approx. 19.000 kg	approx. 19.000 kg
Drive	Hybrid	Diesel hydraulic
Output	Power unit 110 kVA Electric motor 75 kW	Diesel engine 104 kW / 141 hp <i>optional higher performance possible</i>
Emission standard	In accordance with the latest emission standard	In accordance with the latest emission standard
Cubic capacity	4,5 litres	4,5 litres
Fuel tank	300 litres	300 litres
Hopper volume	up to 7,5 m³	up to 7,5 m³

Screen deck	Fine fraction	Medium fraction
Width	1.250 mm	1.250 mm
Length	6.900 mm	3.700 mm
Fractions	10 - 200 mm	28 - 200 mm
Star size	300, 287, 230, 216 or 170 mm	300 mm
Star speed	0 - 230 rpm, infinitely variable	0 - 180 rpm, infinitely variable



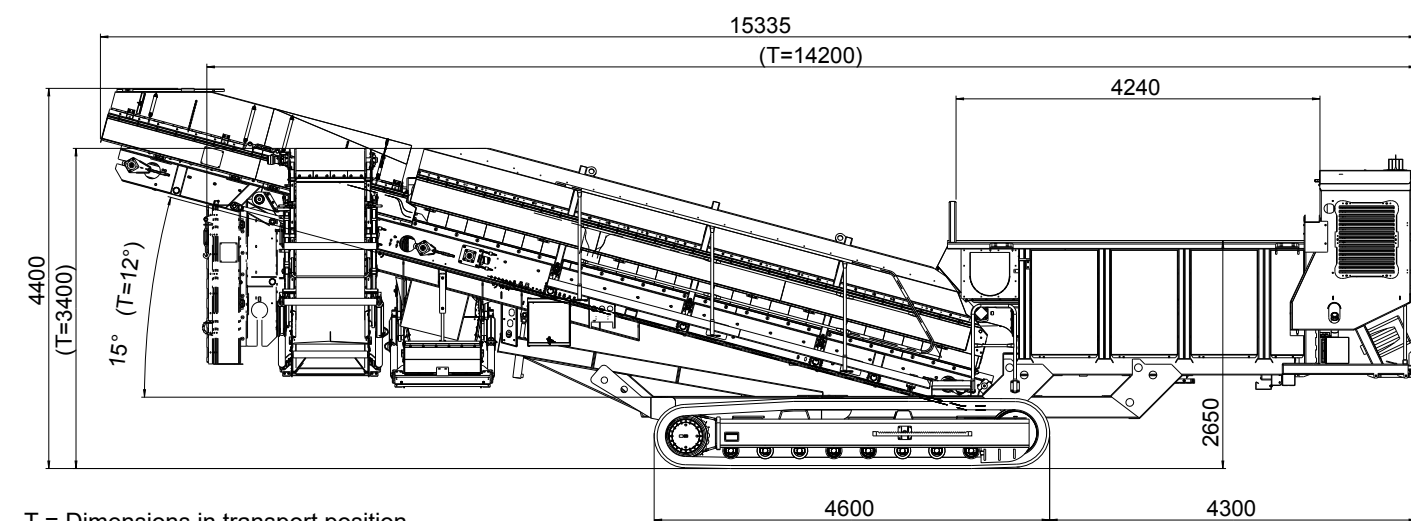
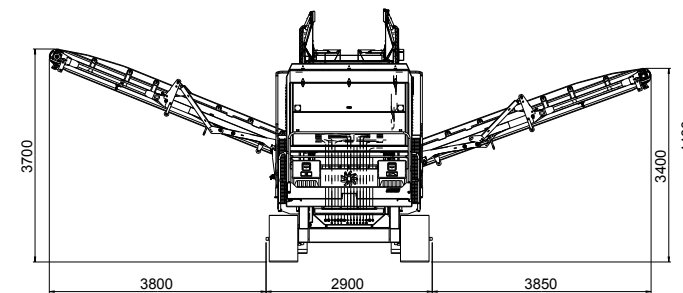
3 FRACTION
STAR SCREEN
SUPERSCREENER 3F
TRACKED CHASSIS FRAME



FULL SPEED AHEAD

Thanks to its efficient tracked chassis frame, the 3F star screen crawler proves its worth even when processing in difficult terrain. It has the reliable stability and mobility that is needed for a convincing screening performance on challenging ground.

The Superscreener 3F-R has a diesel-hydraulic drive, but is also available with an optional hybrid drive.



T = Dimensions in transport position

	Self-driving tracked chassis frame; two travel speeds	Self-driving tracked chassis frame; two travel speeds
Total weight	approx. 24.000 kg	approx. 24.000 kg
Drive	Hybrid	Diesel hydraulic
Output	Power unit 110 kVA Electric motor 75 kW	Diesel engine 104 kW / 141 PS <i>optional higher performance possible</i>
Emission standard	In accordance with the latest emission standard	In accordance with the latest emission standard
Cubic capacity	4,5 litres	4,5 litres
Fuel tank	300 litres	300 litres
Hopper volume	up to 7,5 m³	up to 7,5 m³

Screen deck	Fine fraction	Medium fraction
Width	1.250 mm	1.250 mm
Length	6.900 mm	3.700 mm
Fractions	10 - 200 mm	28 - 200 mm
Star size	300, 287, 230, 216 or 170 mm	300 mm
Star speed	0 - 230 rpm, infinitely variable	0 - 180 rpm, infinitely variable



ADDITIONAL EQUIPMENT

Multifunctional through numerous options, such as:

DOSING AUGER



The height-adjustable dosing auger ensures an accurate and reliable dosing of the material to be screened. As an option, it can also be operated by remote control.

TIPPING GRID



To protect the screening machine, the hydraulic tilting grate, which can be operated by remote control, effectively separates all coarse impurities.

ADDITIONAL HOPPER EXTENSION



The extension of the feed hopper increases the capacity for screening wood chips, bark, domestic waste, coal, industrial waste and other materials.

WIRELESS REMOTE CONTROL



To significantly reduce the time and personnel required, the remote control allows comfortable control of the star screen even from the wheel loader.

WIND SHIFTER



The practical wind shifter enables an effective separation of light-weight irritants, such as plastic foils or paper, from the material to be screened.

EXTENDED DOSING BUNKER



The extension of the dosing bunker by 1m is used for processing larger volumes and is preferably recommended when feeding by large wheel loader buckets.

PERMANENT MAGNETIC ROLLER



CLEANFIX REVERSIBLE FAN



Under the predominantly dusty and dirty conditions on construction sites and landfills, the reversible fan ensures reliable cooling of the diesel engine.

HYBRID DRIVE



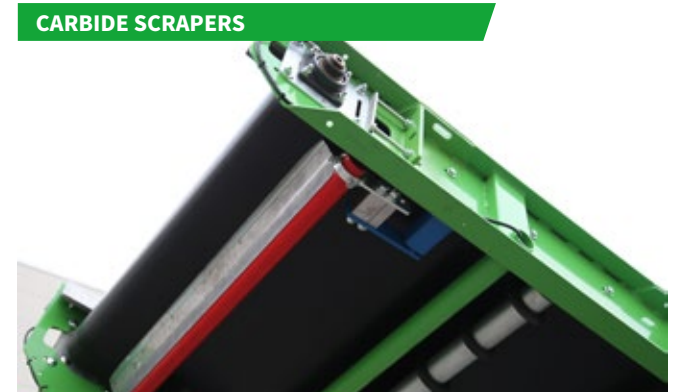
Free choice of energy resource between fuel-efficient operation via diesel engine and cost-effective supply directly from the power socket.

COVERING NET



The covering net ensures dust exposure is minimized during the screening process and that no material jumps out of the screen box.

CARBIDE SCRAPERS



By means of carbide scrapers, the conveyor belts of the mobile star screens are cleaned of sticky and/or strongly adhering materials, such as clay, plaster, cement.

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