

TROMMEL SCREENS

MOBILE MACHINES PRODUCT OVERVIEW



...together we make the *difference!*



// NEUENHAUSER RECYCLING TECHNOLOGY

...together we make the difference!

As an innovative company with the focus on particularly high user and environmental friendliness, Neuenhauser Recycling Technology offers several high-performance trommel screens that meet the customized requirements without exception. Supplemented by the product range of **EUROPRESS** **UMWELTECHNIK** **EP**, Neuenhauser Recycling Technology is an international full-service provider for the environmental industry.



Series, but not off the rack

In close cooperation with our customers, we have developed a comprehensive range of solutions for a wide variety of applications in the field of trommel screen technology.

Our trommel screens are characterized not only by performance but also by customer individuality thanks to a comprehensive range of optionally available additional equipment.

High screening performance by energy-efficient rotation

The modern star screen machines from Neuenhauser Recycling Technology separate, sort and screen a wide variety of materials, which are fed into the rotating screening drum via a conveyor belt.

The drum is cleaned at every rotation by the brush mounted above that is running along with it. This self-cleaning effect increases the capacity of the screening drum while minimizing maintenance requirements. In addition, the easy accessibility to the diesel engine contributes to the fact that the entire workforce can be invested in environmentally friendly processing and not in maintenance.

Our trommel 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 trommel screen can be supplied directly from the socket at a low cost.



SCREENING TECHNOLOGY TROMMEL SCREENS



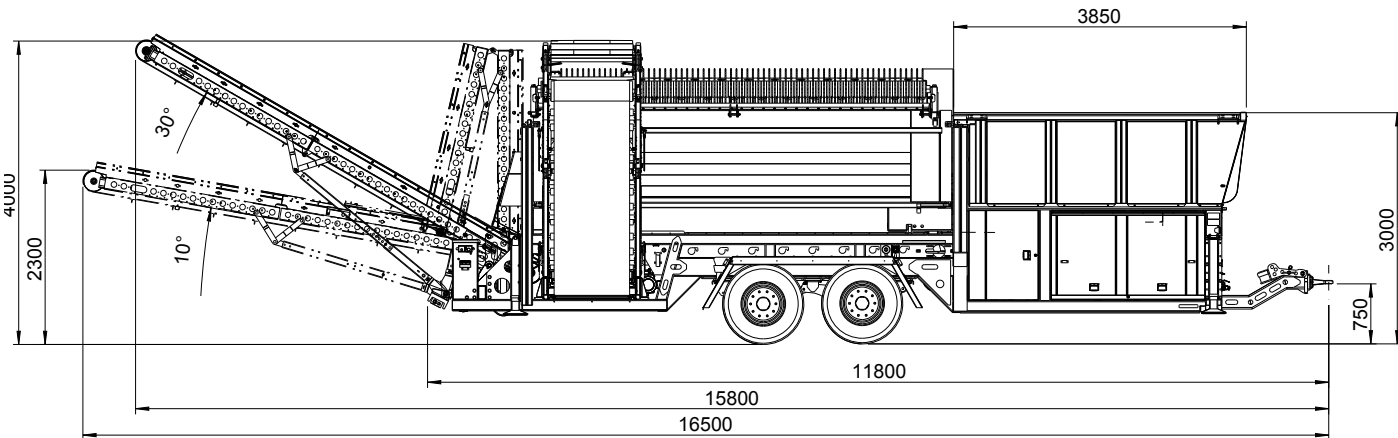
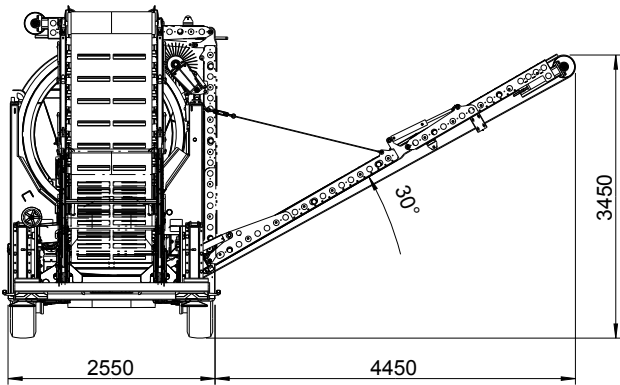
TROMMEL SCREEN NH 6020 TRAILER



TIME FOR THINGS TO TURN

With its optimized focus on the needs of the user, the NH 6020 E trailer is the right trommel screen for the various challenges in modern waste processing.

The compact machine has large safety doors for easy maintenance, requires low set-up times and provides a convincing separation result. The trommel screen trailer masters even the most difficult screening tasks.



	Centre-axle chassis with brake system and vehicle lighting for 80 km/h according to StVZO, with ABS	Centre-axle chassis with brake system and vehicle lighting for 80 km/h according to StVZO, with ABS
Total weight	approx. 19.000 kg	approx. 19.000 kg
Drive	Hybrid	Diesel hydraulic
Output	Power unit 110 kVA Electric motor 55 kW	Diesel engine 86 kW / 117 hp
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	5 m³	5 m³
Screening drum		
Length	5.500 mm	5.500 mm
Diameter	2.000 mm	2.000 mm
Material thickness	6 - 12 mm	6 - 12 mm
Hole width	8 - 140 mm, optional <8 mm	8 - 140 mm, optional <8 mm
Hole shape	Square, rectangle, round hole, honeycomb	Square, rectangle, round hole, honeycomb
Drum speed	0 - 21 rpm	0 - 21 rpm



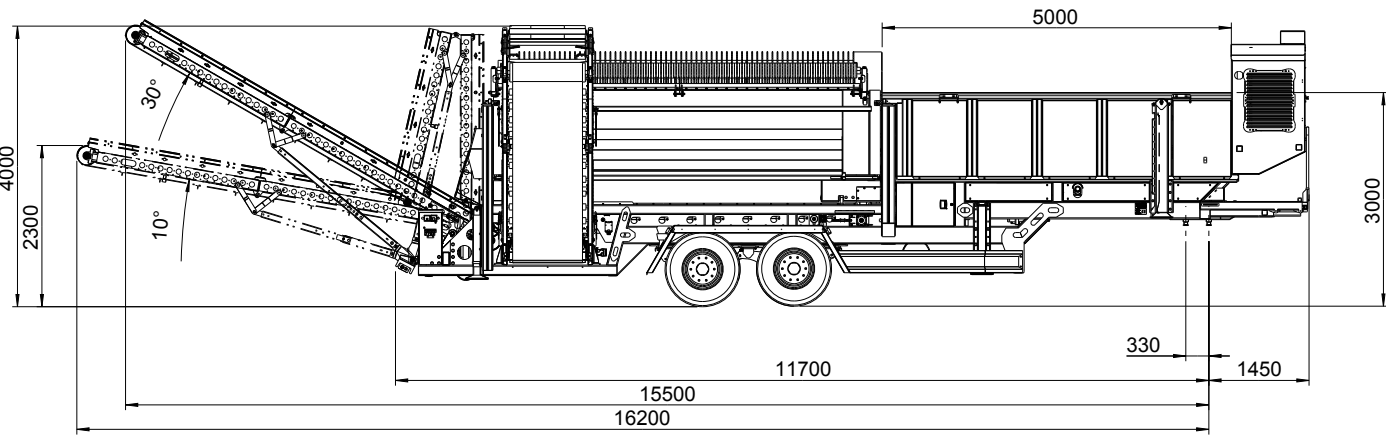
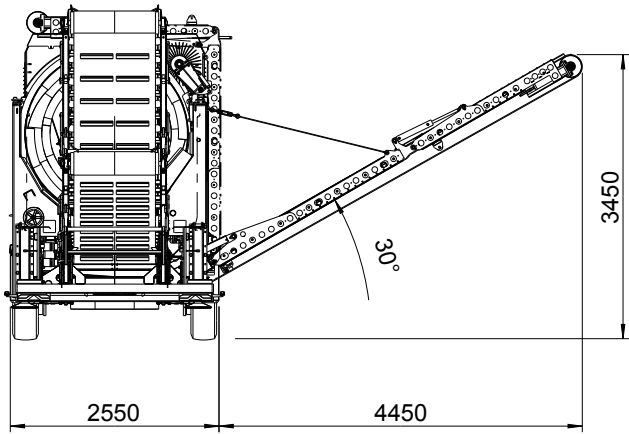
TROMMEL SCREEN

NH 6020 SEMI-TRAILER



ALWAYS WELL DISPOSED

As an alternative to the trailer model, Neuenhauser Recycling Technology also offers the compact semi-trailer model NH 6020 H. The performance, efficiency and ease of maintenance remain high, saving time and money. Significantly higher, however, is the material throughput and the hopper volume, which also contributes to a significant reduction in the total operating cost. Among other applications, the high-quality trommel screen is suitable for use in biomass processing, wood recycling and soil remediation.



Semi-trailer with brake system and vehicle lighting for 80 km/h as per StVZO, with ABS	
Total weight	approx. 18.000 kg
Drive	Diesel hydraulic
Diesel engine power	86 kW / 117 hp
Emission standard	In accordance with the latest emission standard
Cubic capacity	4,5 litres
Fuel tank	300 litres
Hopper volume	approx. 8 m ³
Screening drum	
Length	5.500 mm
Diameter	2.000 mm
Material thickness	6 - 12 mm
Hole width	8 - 140 mm, optional <8 mm
Hole shape	Square, rectangle, round hole, honeycomb
Drum speed	0 - 21 rpm



TROMMEL SCREEN

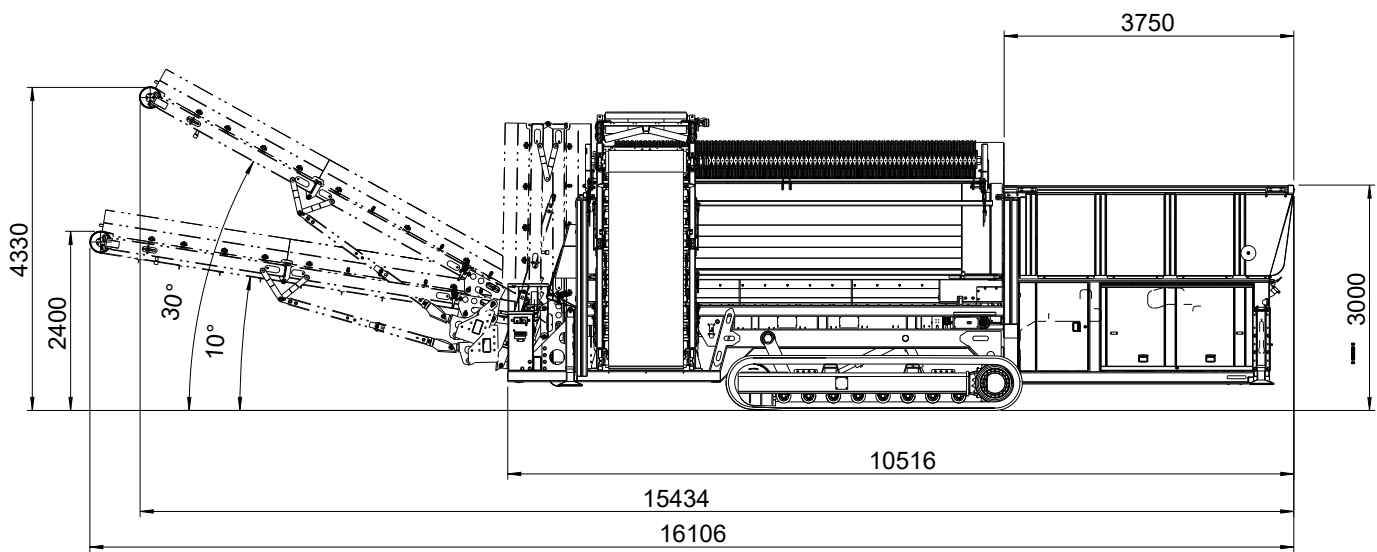
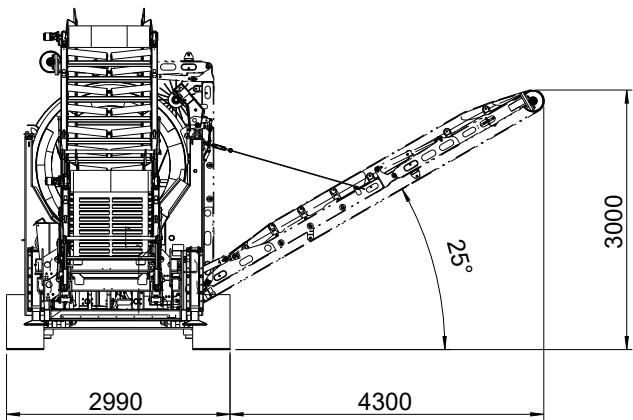
NH 6020 TRACKED CHASSIS FRAME



ROBUST CHASSIS FRAME

The robust tracked chassis frame with two travel speeds enables the NH 6020 R to assert itself and find a secure foothold even on difficult terrain.

The flexible trommel screen is equipped with a diesel-hydraulic or hybrid drive and is characterized by energy efficiency in combination with high performance.



	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 55 kW	Diesel engine 86 kW / 117 hp
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	5 m³	5 m³
Screening drum		
Length	5.500 mm	5.500 mm
Diameter	2.000 mm	2.000 mm
Material thickness	6 - 12 mm	6 - 12 mm
Hole width	8 - 140 mm, optional <8 mm	8 - 140 mm, optional <8 mm
Hole shape	Square, rectangle, round hole, honeycomb	Square, rectangle, round hole, honeycomb
Drum speed	0 - 21 rpm	0 - 21 rpm



TROMMEL SCREEN

NH 6020 XL

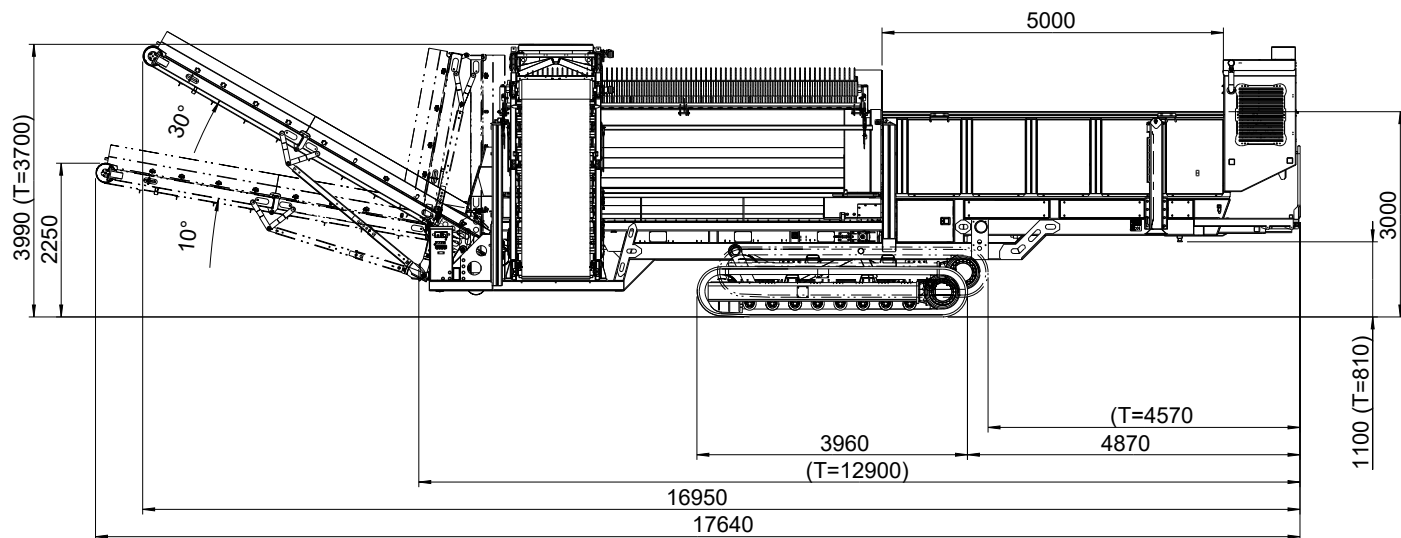
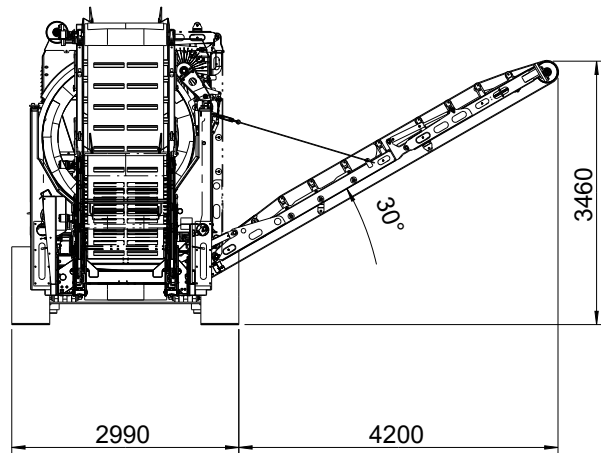
TRACKED CHASSIS FRAME



THE GIANT OF CRAWLERS

Like its smaller sibling, the NH 6020 H in track-mounted design, the XL variant is a flexible powerhouse that excels on rough terrain thanks to its robust tracked chassis frame.

The extra large feed hopper with a volume of approx. 8 m³ enables time-saving processing of large-volume materials such as bark and waste wood or large quantities of green waste, wood chips and excavated sand/soil.



T = Dimensions in transport position

	Self-driving tracked chassis frame; two travel speeds
Total weight	approx. 24.000 kg
Drive	Diesel hydraulic
Diesel engine motor	86 kW / 117 hp
Emission standard	In accordance with the latest emission standard
Cubic capacity	4,5 litres
Fuel tank	300 litres
Hopper volume	approx. 8 m³
Screening drum	
Length	5.500 mm
Diameter	2.000 mm
Material thickness	6 - 12 mm
Hole width	8 - 140 mm, optional <8 mm
Hole shape	Square, rectangle, round hole, honeycomb
Drum speed	0 - 21 rpm



ADDITIONAL EQUIPMENT

Multifunctional through numerous options, such as:

TIPPING GRID / VIBRATING GRID



By screening out coarse impurities from construction debris, top soil or other materials, this option effectively prevents possible damage to the drum.

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 and the hydraulic oil.

CLEANING BRUSH



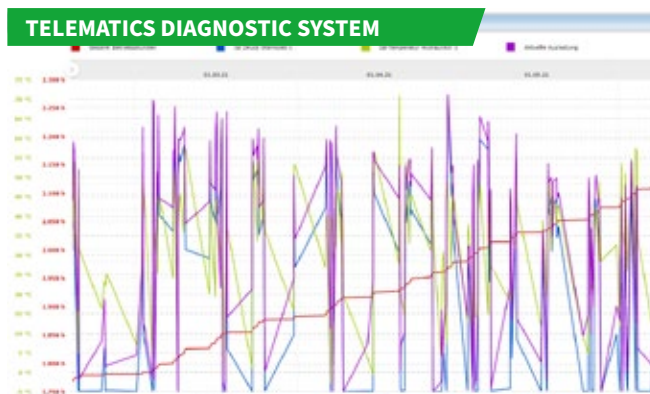
The hydraulically folding cleaning brush travels along above the screening drum, thus preventing the damaging build-up of residues.

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.

TELEMATICS DIAGNOSTIC SYSTEM



Diagnostic system for permanent recording and clear display of service-relevant data and information.

CENTRAL LUBRICATION SYSTEM



The automatic central lubrication system ensures the reliable operational readiness of the trommel screen by constant renewal of the lubricating film.

PERMANENT MAGNETIC ROLLER



SLIP-ON COUPLING



The sturdy slip-on coupling for the drawbar permits safe movement of the trommel screen with construction site vehicles.

HYBRID DRIVE



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

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.

STAR SCREEN INSERT



The screening drum can be easily exchanged for the star screen insert in order to utilize the strengths of star screen technology for specific tasks.

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