

# COMBI SCREENS

MOBILE MACHINES PRODUCT OVERVIEW



...together we make the *difference!*





// NEUENHAUSER RECYCLING TECHNOLOGY

## A combo for almost everything!

The continuous, uniformly high screening quality turns the combi screening machines of Neuenhauser Recycling Technology into mobile high-performance machines for the most demanding tasks in the processing of difficult-to-screen, sticky and moist materials. Supplemented by the product range of **EUROPRESS UMWELTECHNIK EP**, Neuenhauser Recycling Technology is an international full-service provider for the environmental industry.



### Quality guarantee included

Precise screen cuts and consistent screening qualities even with the most diverse feed materials are the distinguishing features of combi screening machines manufactured by Neuenhauser Recycling Technology. In combination with easy operation, a high equipment flexibility as well as a maintenance-friendly design, they convince with versatile application possibilities.

### Maximum acceleration and quality

A characteristic feature of the Neuenhauser combi screening machines is the wave-like movement of the screening surface, which is caused by the two screening frames moving in opposite directions. This creates a so-called „trampoline effect“ in the screening mats, which leads to a high acceleration of up to 50 G in the screening mats and strongly loosens the screenings.

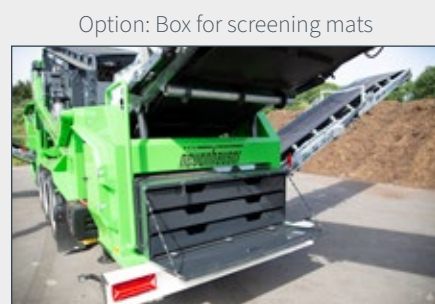
The modular and compact design of Neuenhauser combi screening machines as well as the extensive range of optionally available additional equipment allows an individual adaptation to the customer-specific task.

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





# SCREENING TECHNOLOGY COMBIFLEX





# SCREENING TECHNOLOGY 3D COMBI SCREEN DECK



## THE NEUENHAUSER COMBIFLEX SCREENING MACHINE IN STRONG COMBINATION WITH **SPALECK** SCREENING TECHNOLOGY

The Combiflex from Neuenhauser Recycling Technology combines maximum flexibility with the highest screening quality to meet individual customer requirements.



Open screen surfaces for easy handling



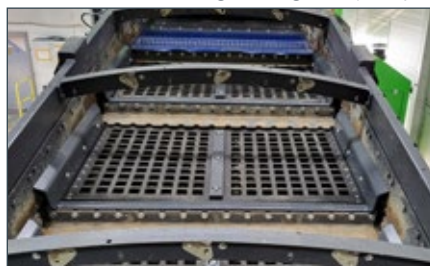
### HIGHLIGHTS

- ✓ Nearly blockage-free screening in the screen decks thanks to leading 3D and Flip-Flow technology.
- ✓ Precise screening thanks to the use of 3D screening segments, which guarantee a correct grain size free of long particles and without extraneous material for the Flip-Flow screen located in the lower deck.
- ✓ The Flip-Flow screen with screwless mounted screen mats avoids unnecessary cleaning and reduces maintenance times. Screening mats can be replaced or changed over individually and quickly.
- ✓ Self-cleaning effect of the Flip-Flow screening mats due to high acceleration.
- ✓ The screen box can be positioned hydraulically at different angles, thus optimal adaptation to the different materials and tasks.
- ✓ The product on the upper deck is optimally loosened and turned.
- ✓ A drop step in the lower desk ensures that the screenings are ideally turned and cleanly screened.
- ✓ The screen deck with 3D screening segments protects the screening mats in the lower deck (longer service life and optimum screening results)).
- ✓ Due to a large number of different 3D top deck elements, there is the appropriate equipment.
- ✓ Easy adjustment of the vibration parameters for optimum adaptation to the respective product characteristics.

Lower deck of the Flip-Flow screen



Various screen linings for highest quality





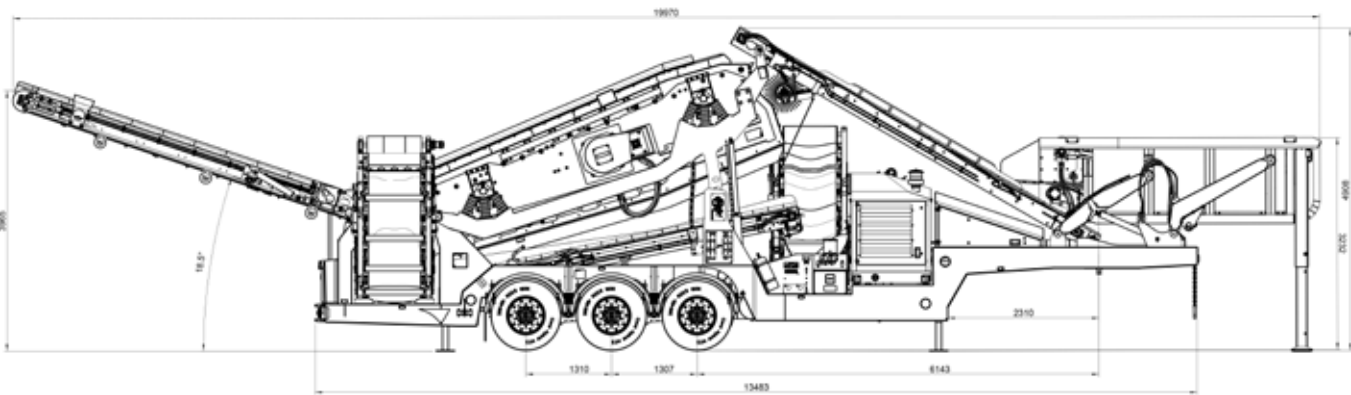
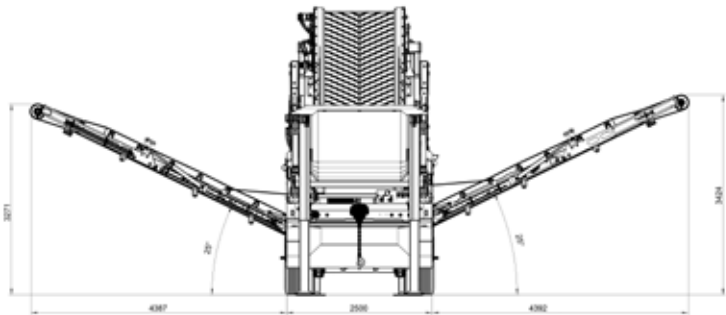
# COMBI SCREEN COMBIFLEX



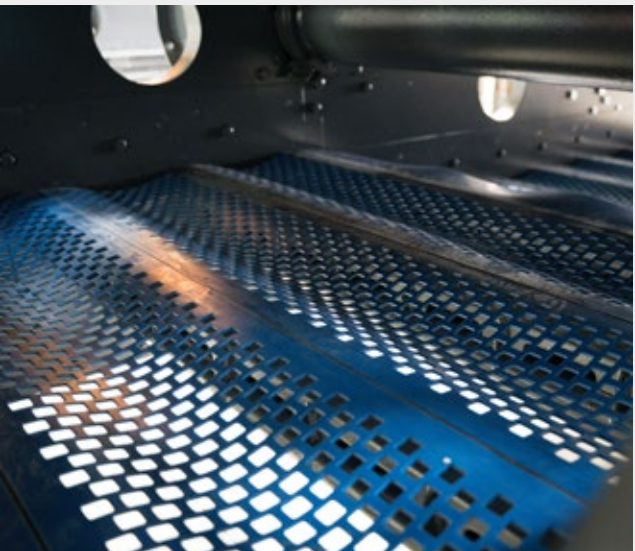
## THE COMBO MAKES IT!

Equipped with a 3D combi screen deck from the well-known screening machine manufacturer Spaleck GmbH & Co. KG, the Combiflex combines the most innovative screening technology with the proven Neuenhauser flexibility and ease of maintenance.

When classifying difficult-to-screen, sticky and moist materials with separation cuts from approx. 0,2 to 120 mm, the screening elements ensure a correct grain size that is almost free of long particles and without extraneous material.



	Semi-trailer for 80 km/h as per StVZO, with ABS	Semi-trailer for 80 km/h as per StVZO, with ABS
Total weight	27.500 - 30.000 kg	27.500 - 30.000 kg
Drive	Hybrid	Diesel hydraulic
Output	Electric motor 55 kW at 1.500 rpm.	Diesel engine 86 kW at 2.200 rpm. <i>optional higher performance possible</i>
Emission standard	In accordance with the latest emission standard	
Cubic capacity		4,5 litres
Fuel tank		300 litres
Hopper volume	5 m <sup>3</sup> (optionally up to 7,5 m <sup>3</sup> )	5 m <sup>3</sup> (optionally up to 7,5 m <sup>3</sup> )
Screen deck		
Effective screening area upper deck	approx. 8,1 m <sup>2</sup> (depending on the selected screen lining)	
Effective screening area lower deck	approx. 8,1 m <sup>2</sup> (depending on the selected screen lining)	
Width	1.550 mm	
Length	5.200 mm	
Upper deck fractions	approx. 4 - 250 mm	
Lower deck fractions	approx. 0,5 - 40 mm	





# FLIP-FLOW SCREENING MACHINE

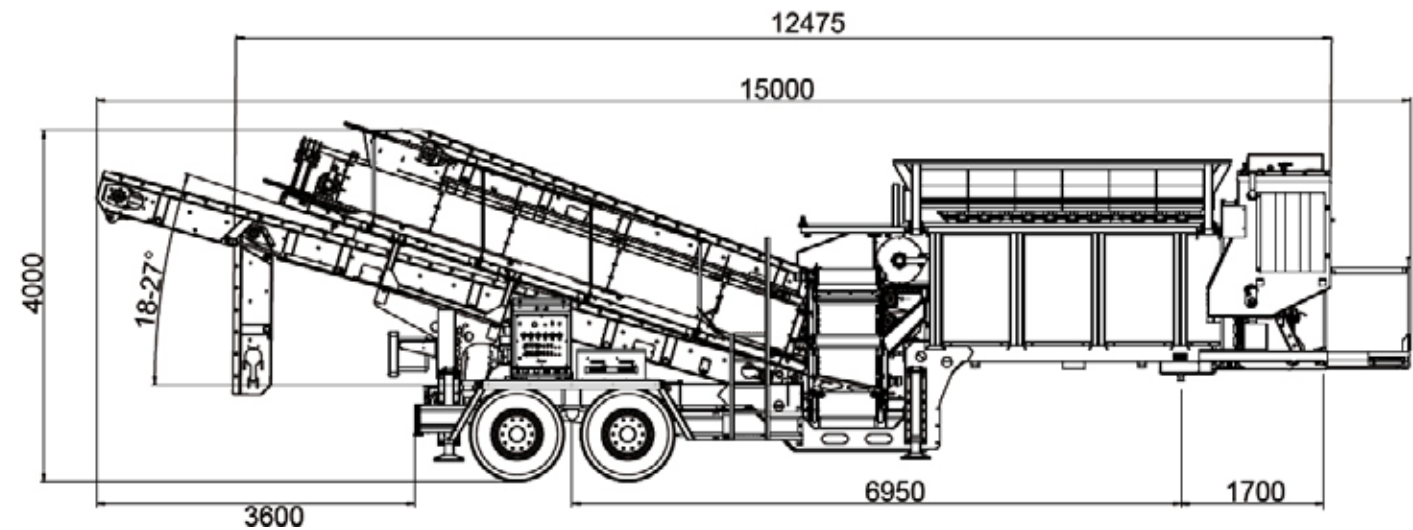
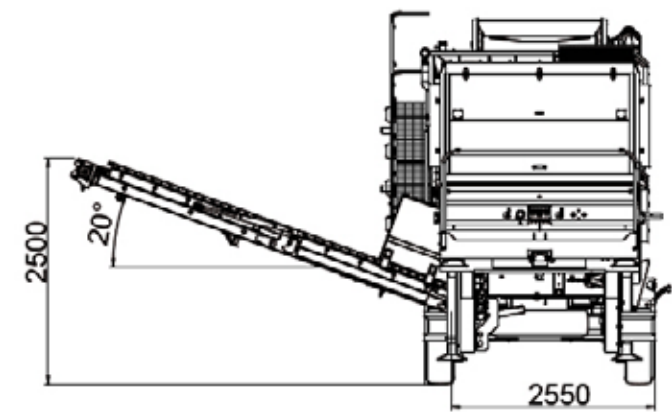
## XF 75-2 SEMI-TRAILER



### ANYTHING IS POSSIBLE

The flip-flow screening machine is well established for the screening of difficult-to-screen material, from gypsum and garden waste to household and bulky waste.

This screening technology is frequently and successfully applied in the field of composting. It masters wet and sticky residues without any clogging, thus considerably minimizing the cleaning effort.



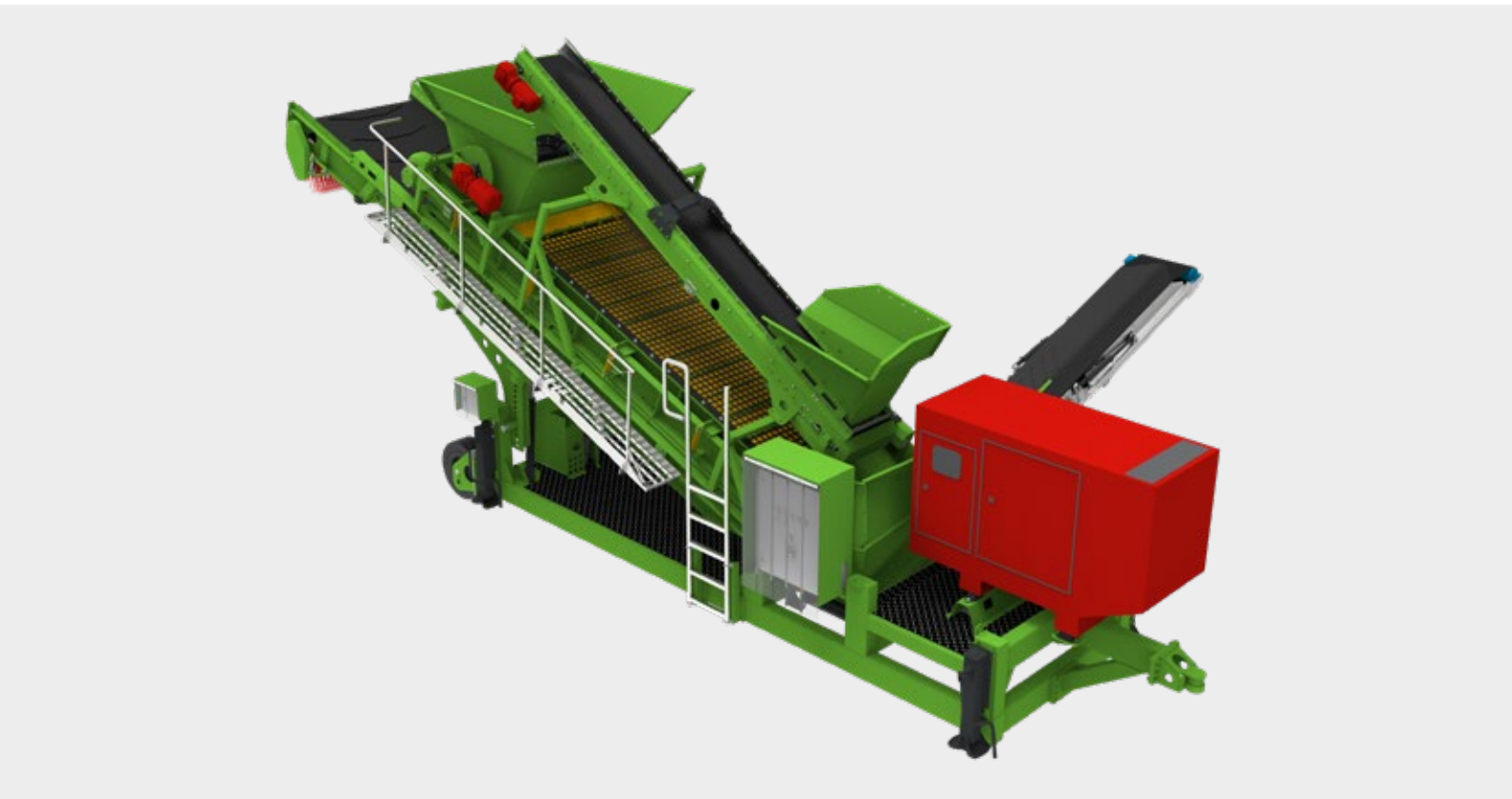
	Semi-trailer for 80 km/h as per StVZO, with ABS
Total weight	approx. 21.000 kg
Drive	Diesel hydraulic
Output	61 kW at 2.200 rpm
Emission standard	In accordance with the latest emission standard
Cubic capacity	4,5 litres
Fuel tank	300 litres
Hopper volume	up to 7,5 m³
Screen deck	
Actual screen area	7,56 m³
Width	1.500 mm
Length	5.040 mm
Fractions	up to < 1 mm
Screen mats	Square or slot hole design (suitable to the respective task)





# FLIP-FLOW SCREENING MACHINE

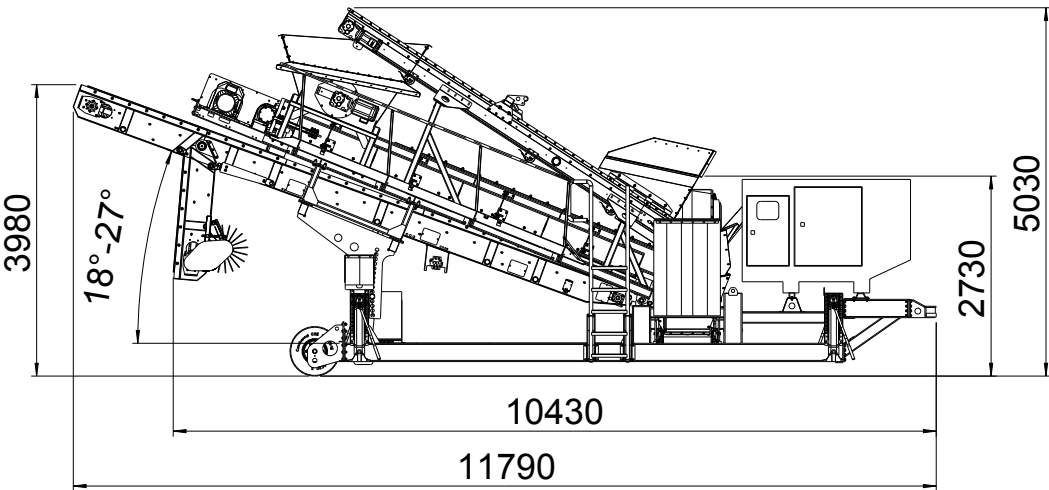
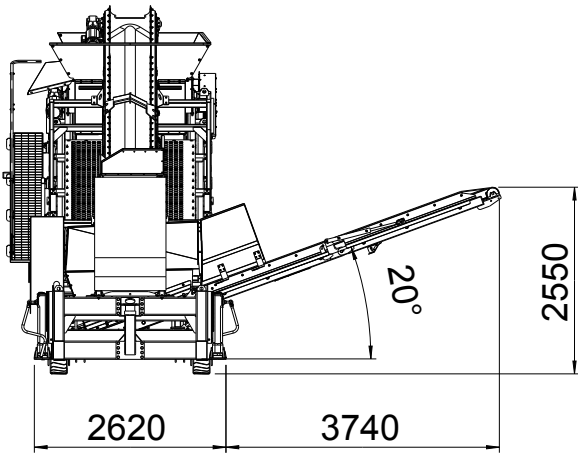
## XF 75-2 SEMI-MOBILE



### CHANGE OF LOCATION

While mobile screening machines are equipped with a fixed chassis frame, semi-mobile systems are transported piggyback when changing locations.

Any necessary auxiliary equipment, such as upstream screening machines or dosage hoppers, can be easily installed next to the XF 75-2.



	Semi-mobile version
Total weight	approx. 10.000 kg
Drive	External power supply via main power (63A)
Screen deck	
Actual screen area	7,56 m³
Width	1.500 mm
Length	5.040 mm
Fractions	up to < 1 mm
Screen mats	Square or slot hole design (suitable to the respective task)





# ADDITIONAL EQUIPMENT

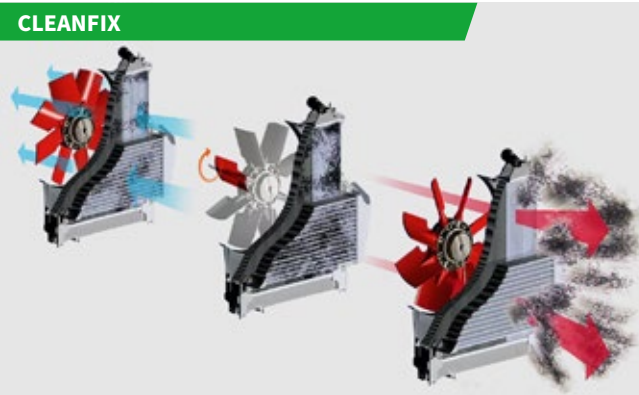
Multifunctional through numerous options, such as:

## ADDITIONAL LIGHTING



For illuminating of large areas, the combi screening machines can be equipped with additional lighting masts without great effort.

## CLEANFIX



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



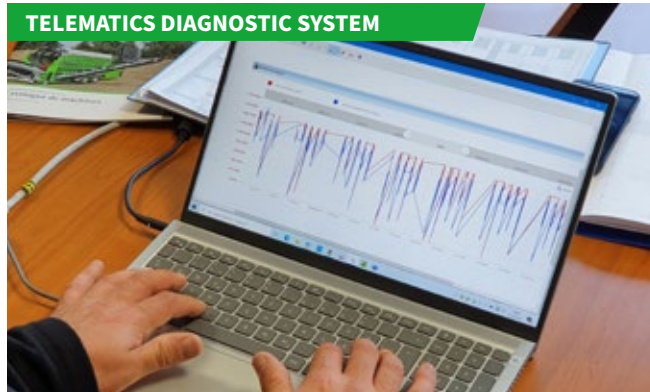
Using the cleaning brush for the infeed belt means that less material remains stuck on the belt. Leakage material underneath the machine is thus minimized.

## DOSING AUGER



The dosing auger ensures a uniform feed of the input material onto the ascending belt/screen and thus increases the screening capacity.

## TELEMATICS DIAGNOSTIC SYSTEM



Diagnostic system for permanent recording and clear display of service-relevant data and information online and in real time.

## CENTRAL LUBRICATION SYSTEM



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

## ADDITIONAL HOPPER EXTENSION



## SCREEN LININGS



Thanks to a large number of different, easy-to-change screen linings, the right equipment is available for every individual application.

## WIRELESS REMOTE CONTROL



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

## BOX FOR SCREENING MATS



A screening mats box is optionally available for the safe and easy storage of the different screening mats of the 3D combi screen.

## CARBIDE SCRAPERS



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



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