



Drumscreen machines creating value for money: Technology with confidence.

The model TS 7020 is equipped with a 7 meter long drum, and if desired, it can be delivered with a longer tank. For this reason, the loading length increases to 4.3 meter, and also here a wheeled loader with a larger shovel can be deployed. Additionally, the configuration of the machine makes it possible to perform more difficult operations in gravel and earth.

- IIIIII The drum screen with 2 or 3 fractions are available only for model No. 7020.
- IIIIII Drum screens come in different sizes, ie. in meshed or steel drums, and can be easily replaced due to the roller drive.
- IIIIII As a standard practice, a tested 80 km/h carrier is equipped with air-brake and ABS.

Neuson Ecotec has many years of experience and a lot of know-how in producing efficient special machines which optimize the working processes and move freely. However, Neuson Ecotec can offer one thing above all: comprehensive professionalism. From consulting and individual configurations to quality service and conservation of value.

Environmental and forestry machines for harvesting, composting, recycling and waste management in an efficient form.

Mechanical engineering with quality, performance and innovation for a sustainable use of raw materials, value and waste of all kinds ... This is the Neuson Ecotec mission. Principles that are consistently implemented for the benefit of customers in each machine:

- IIIIII Stable, sturdy and yet movable design.
- IIIIII Innovative hydraulic system and intelligent control.
- IIIIII Ease of use and high security.
- IIIIII Individual configurations for flexible deployment profiles.

Neuson Ecotec is a specialist in environmental equipment, from which man and the environment benefit alike. Already today, and with certainty also tomorrow.

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Drumscreen machines TS 5220LS / TS 7020

The environmental machines



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Quality is always precise.
Precisely better: Lots of the strengths
in the detail. More benefit in practice.
All advantages in one system.

Optimal separation of material: Intelligent work. Quick handling. Guaranteed value creation.

The efficient separation of material from household, garden, park and forest is the function of a specialist: The drum screening machines TS 7020 / TS 5220 are designed for a universal, flexible and a highly efficient application ... and its stable design and construction has such a large reserve that it can be configured to perform difficult functions both in gravel and earth.

Neuson Ecotec factors:

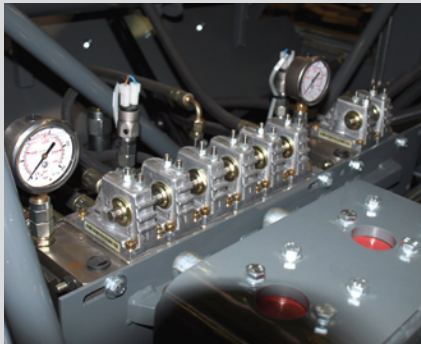
- ||||| Load dependent control Load Sensing (only in TS 5020)
- ||||| Hydraulically adjustable inclination of the drum for an optimal throughput rate
- ||||| Innovative hydraulic system which will result in fuel saving of up to 30%
- ||||| Screening drive by rotation for faster replacement of the screens
- ||||| Protection mechanism for the drum against overload
- ||||| Tested 80 km/h carrier with air brake and ABS
- ||||| Options: Air classifier „Tornado“, bag opener for processing the household waste



Easy to use for simple operation:
The entire system at a glance



Hydraulic inclination adjustment of
screen for optimizing the throughput
rate and material classification



Adjustable speed of drum and
conveyor belts:
Efficiently defined settings made
simple.t.



Fast replacement of drums and
conveyor belts:
Roller drive of screen and conveyor
belts in „Quick replacement cartridges“



Load Sensing for load dependent
operation:
Output / consumption optimization:
saving of up to 30%



Third fraction for homogenous
separation (only in TS 7020):
Definable sizes, automatic fraction,
time-saving operation.

Technical Data

	5220LS	7020
Main Data		
Concept	Drumscreen machine	Drumscreen machine
Weight	13000 kg	19500 kg
Dimensions	2550 / 10840 / 3960 mm	2550 / 12500 / 3960 mm
Tires	295 / 60R-22.5	295/60R-22.5
Bogie	Tandem bogie with springs	3 bogies with springs
Electrical system	24 V	–
Support load	1000 kg	1000 kg

Screen		
Inner screen diameter	2000 mm	2000 mm
Screen length	5150 mm	6955 mm
Screen area	29 m²	38 m²
Screening capacity	30 – 100 m3/h	50 – 150 m3/h

Engine data		
Engine (Diesel)	John Deere 4045HF280	John Deere 4045HF280
Engine output	99 PS / 74 kW	99 PS / 74 kW
No of cylinders	4	4
Tank capacity	263 l	263 l

Tank		
Loading height	2800 mm	2800 mm
Loading length, standard / extended	3300 mm / 4300 mm	3300 mm / 4300 mm
Height of portal opening	930 mm	930 mm
Volume, standard / extended	3.1 – 4.7 m³ / 3.8 – 5.7 m³	3.1 – 4.7 m³ / 3.8 and 5.7 m³
Belt width / length	1280 mm / 3525 mm	1280 mm / 3525 mm

Side conveyor unit		
Conveyor width	1000 mm	1000 mm
Conveyor length, short / long	3500 mm / 5000 mm	3500 mm / 5000 mm
Unloading height, short / long	ca. 2300 mm / ca. 3100 mm	ca. 2300 mm / ca. 3100 mm

Rear conveyor unit		
Conveyor width	1000 mm	1000 mm
Conveyor length, short / long	3500 mm / 5000 mm	3500 mm / 5000 mm
Unloading height, short / long (approx.)	1400 – 2200 / 1600 – 3000 mm	1400 – 2200 / 1600 – 3000 mm

Performance at 1900 rpm of engine		
Feeding belt	0 – 7 rpm	0 – 7 rpm
Drum rotation speed	0 – 18 rpm	0 – 18 rpm
Conveyor under the machine	46 rpm	46 rpm
Rear conveyor unit	0 – 110 rpm	0 – 110 rpm
Side conveyor unit	0 – 211 rpm	0 – 211 rpm

Options		
Tornado: Plastic suction device for separating the plastic and light materials Bag opener Extension of loading tank up to 4300 mm LS (load sensing – only in TS 5220) Remote control Central lubrication Bio hydraulic oil Fire fighting equipment 5 m long rear and side conveyor units (only in TS 7020)		