

Technical Description



Mobile single-shaft-shredder Targo 3000

The Neuenhauser single-shaft-shredder TARGO 3000 works on the single-shaft principle with hydraulically controlled shredding comb and is ideally suited for the solution of the most difficult shredding tasks. The roller of the machine has a length of 3 m and it rotates at 31 rpm, 21 roller teeth and 20 comb teeth shred the materials (optional 42 roller teeth). The shredding by means of roller and comb is suitable for the most difficult tasks. Roller teeth made of wear-resistant steel tear the material through the shredding comb. The comb opens automatically if necessary in order to avoid damages by large unshreddable contaminants. All the wear parts are quickly and easily replaceable so the machine can be adjusted to the different shredding tasks. The engine and aggregates of the Neuenhauser single-shaft-shredder are easily accessible from two sides.

The powerful direct drive with gear with hydraulic reversing function provides with full torque for a high throughput. The self-cleaning cooler is easily accessible. With their rear conveyor, which can be folded out hydraulically, the Neuenhauser single-shaft-shredder is ready to go in no time. Magnets for iron separation are also available optionally. A multifunctional display shows the machine data and enables a easy machine operation. An optional remote control is available. The whole unit is driven by a powerful John Deere diesel engine with high efficiency.

The capacity is designed to cope with the demands of continuous service. Reliable components manufactured by major suppliers of hydraulic systems, controls and safety systems on the basis of a thought-out construction guarantee very quick maintenance and short downtimes during operation. The great number of options for operation, adjustment and equipment permits to meet any demand on the final product and the economic efficiency.

All the Neuenhauser machines stand out for their easy operation and high mobility.

including the following equipment:

- three-axle trailer chassis with brake system, air suspension and lightening acc. to EC rules for 80 km/h with ABS
- Admissible total weight 25.000 kg
- 50 mm CE-trailer coupling ring (optional 40 mm)
- Coupling height approx. 900 mm
- Tyres 315/80 R 22,5tl
- Roller length 3000 mm, diametre 600 mm, equipped with trapezoid teeth for roller and comb
- Drive by gear box and coupling
- Emergency-shut off push button at control box and rear conveyor
- Electronic engine control and monitoring by means of a display
- 2 fuel tank with 500 litre
- 1 hydraulic oil tank with 200 litre
- Electric system 24 V with SPS-control
- Hydraulically foldable rear conveyor with antimagnetic middle part
- Rear conveyor belt length 5000 m, width 1000 mm
- Collecting conveyor belt length 3400 m, width 1000 mm
- Feeding hopper approx. 4,5 m³
- Highly wear resistant sheets assembled in the feeding hopper
- Rotor reversing by hydraulic motor

- Rear under ride protection
Hydraulically lowerable wheel drive, which can be adjusted in 3 positions:
 1. Transport position
 2. Lowering air suspension
 3. Drive position air suspension
- Autocleaning cooling system thanks to automatically adjustable blower blades (optional)
- With incorporated preparation for remote control (optional)

Technical description

John Deere diesel-hydraulic drive unit

Power	: 317 kW
Speed rating	: 2200 rpm
Exhaust gas emission	: performed the EC - NRMM Stage 4 and the USA EPA Exhaust standard Tier 4f
Number of cylinders	: 6 cylinders water-cooled row engine, Turbo-loaded with Air-to-air load cooling
Capacity	: 13,5 Liter
Operating voltage	: 24V DC

Roller

Length	: 3.000 mm
Diameter	: 600 mm
Speed	: 31 min ⁻¹
Tool width	: 80/40 mm
Tool length	: 185 mm
Number of tools	: 21 (optional 42 roller teeth)

Comb

Length	: 3.000 mm
Tool width	: 90/50 mm
Tool length	: 20

Dimensions

Transport position

Length	: approx. 9.000 mm
Width	: approx. 2.550 mm
Height	: approx. 4.000 mm

Working position at 15°

Length	: approx. 13.500 mm
Width	: approx. 2.550 mm
Height	: approx. 3.300 mm

Working position at 35°

Length : approx. 12.800 mm
 Width : approx. 2.550 mm
 Height : approx. 4.000 mm

Discharge belts

Rear

Width : 1.400 mm
 Length : 5.875 mm
 Handover height at 15° : 2.200 mm
 Handover height at 35° : 3.860 mm
 Speed : 2,2 m/s
 Profile : L75 EP400/3 3+1.5

Collecting conveyor

Width : 1.000 mm
 Length : 3.400 mm
 Speed : max. 2,2 m/s

Hopper

Capacity : 4,5 m³
 Loading height : approx. 2.900 mm
 Filling width : approx. 3.700 mm
 Filling depth : approx. 2.300 mm

Gross vehicle weight : 25.000 kg
 Performance : up to 80 t/h (depends on the material)

Surface Treatment

- Preparation by sandblasting
- Primer : 2K-EP-ZP-Grund G5510, TFD 80 µm
- Finish coat : 2K-AC-LACK Serie 52, TFD 80 µm
- Total dry film thickness : TFD 160 µm
- Degree of corrosion : C2 high and C3 medium acc. to DIN EN ISO 12944
- Colour : RAL colour tone client preferred

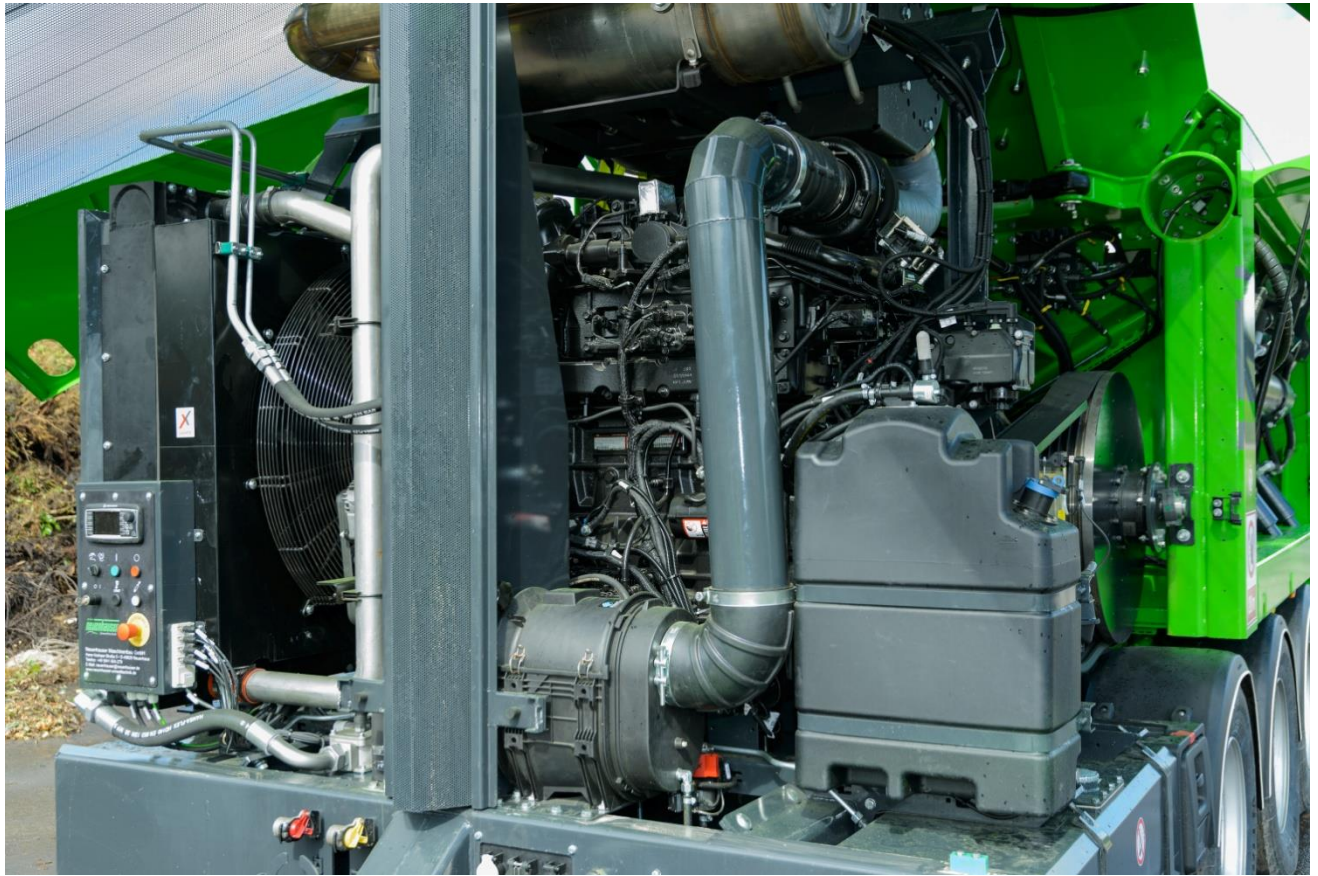


Option 1100 – Biopower

The roller of the Neuenhauser shredder NH TARGO 3000 has a length of 3.000 mm and it rotates at 31 rpm. 42 roller teeth and 20 comb teeth shred the materials.

including the following equipment:

- High engine power
- Big gear box (higher torque)
- Roller with 42 teeth



Option 1401 - Flexxaire, reversible radiator fan for diesel engine

cleaning spacing adjustable

Option 1420 - Protective grating before radiator

- fast opening system



Option 1650 - Wireless remote control to with 8 buttons and emergency-stop function

1. Machine start
2. Machine stop
3. 1st station rear conveyor stop
2nd station rear conveyor reverse
4. 1st station Standbymodus
2nd station Powermodus
5. Engine speed +
6. Engine speed -
7. Open comb
8. Drive machine

incl. Emergency stop

The machine switches into emergency stop if you are leaving the transmission range!

Battery	: rechargeable / changeable
Weight	: 250 g
Dimensions	: 76 x 160 x 37 mm
Protection	: IP 66
On/off switch	: Yes

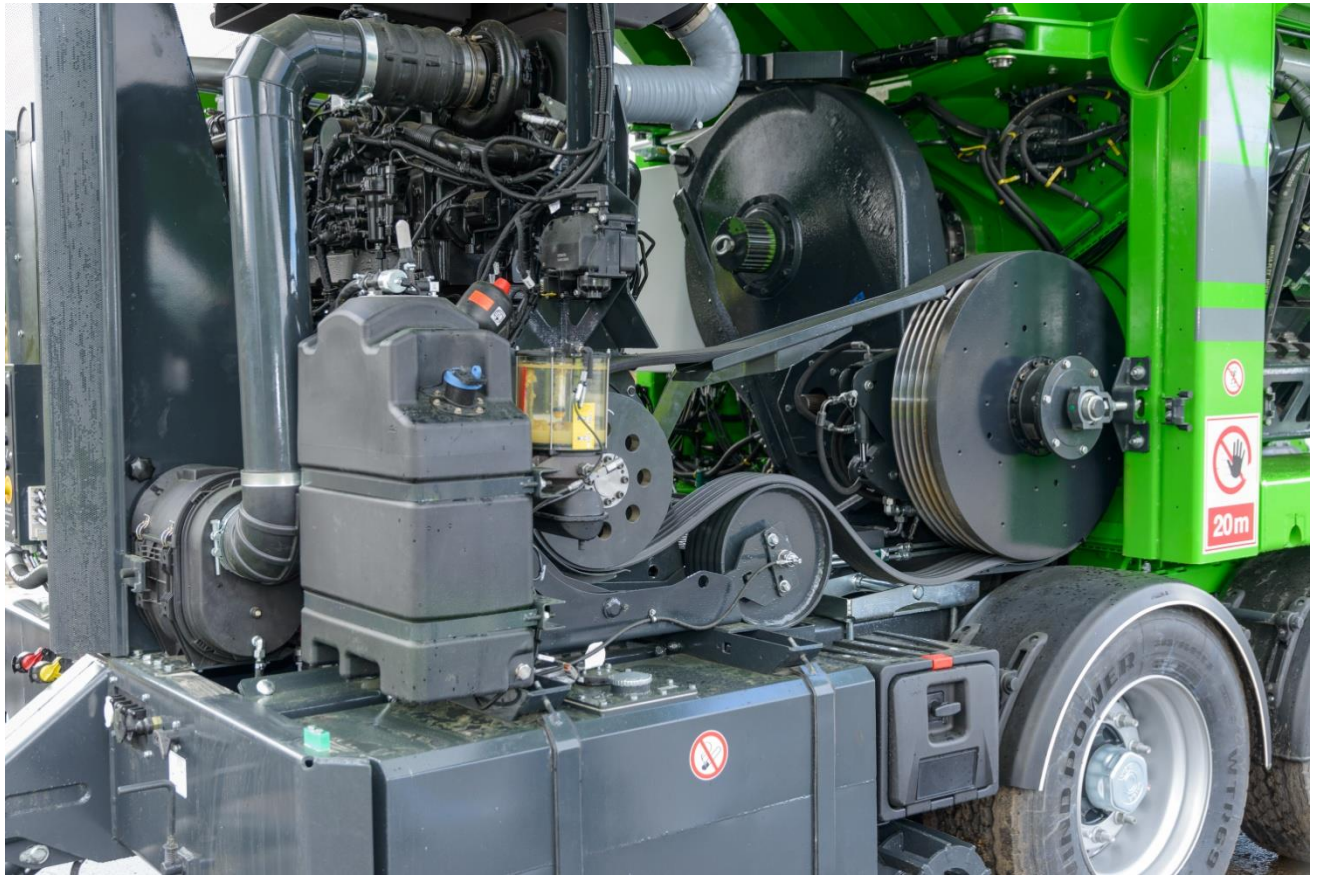


Option 1850 - Permanent overband magnet separator at rear conveyor belt

added Nyodem construction
for max. ambient air temperature +45°C
Headroom : approx. 1500 mm
Hydraulically driven

bandwidth : 450 mm
arrangement cross above the oversize conveyor belt (1250 mm)
operating distance : approx. 180 mm
Weight : approx. 380 Kg

Option 1851 - Frame for overband magnet



Option 1900 - Automatic central lubrication device incl. electrical grease pump



Option 2310 - Drawbar eye for VBG coupling incl. accessory shoe



Option 2320 - Wheel drive

hydraulically driven hind wheel included

Option 3001 - Comb extension

Option 3200 - Machine according to EU directive

consisting of:

- contour lamps at front and rear
- side marker lights
- splashproof protection mudguard