

2F Wheel Star Screen



Standard Features

- 22' 6" x 4' 1" star deck
- Screening area: 93ft² fines
- Modular deck for quick change
- Variable star speed
- Rubber stars fraction 3/8" 8"
- Feed regulating auger
- Diesel hydraulic powerpack
- John Deere 125HP engine
- Reversible radiator fan
- Turbo II air cleaner
- Programmable PLC control system
- Wireless remote control
- Twin braking axle
- 5th wheel tow
- Light package
- 11' 9" fines conveyor discharge height
- 13' 5" overs discharge height

- Hydraulic tipping grid
- Vibrating grid
- Wind Sifter
- Star sizes 170mm, 216mm, 230mm, 287mm & 300mm
- Polyurethane and self cleaning stars
- Auto greasing
- Magnetic head drum

| Dimensions | |
|------------------|------------|
| Working Length | 49′ 10″ |
| Working Width | 18′ 4″ |
| Working Height | 13′ 5″ |
| Transport Length | 44′ 11″ |
| Transport Width | 8′ 4″ |
| Transport Height | 13′ 1″ |
| Weight | 35,500 lbs |

2F Track Star Screen



Standard Features

- 22' 6" x 4' 1" star deck
- Screening area: 93ft² fines
- Modular deck for quick change
- Variable star speed
- Rubber stars fraction 3/8" 8"
- Feed regulating auger
- Diesel hydraulic powerpack
- John Deere 125HP engine
- Reversible radiator fan
- Turbo II air cleaner
- Programmable PLC control system
- Wireless remote control
- Heavy duty tracks
- 10' 11" fines conveyor discharge height
- 12' 6" overs discharge height

- Hydraulic tipping grid
- Vibrating grid
- Wind Sifter
- Star sizes 170mm, 216mm, 230mm, 287mm & 300mm
- Polyurethane self cleaning stars
- Auto greasing
- Magnetic head drums

| Working Dimensions | |
|--------------------|------------|
| Working Length | 49′ 10″ |
| Working Width | 19' |
| Working Height | 12′ 6″ |
| Transport Length | 45′ 7″ |
| Transport Width | 9′ 2″ |
| Transport Height | 11′ 1″ |
| Working Weight | 48,500 lbs |

3F Wheel Star Screen



Standard Features

- 22' 6" x 4' 1" fines star deck
- 12' x 4' 1" midsize deck
- Screening area: 93ft'² fines; 48ft² mids
- Modular decks for quick change
- Variable star speed
- Rubber stars fraction 3/8"-8"
- Feed regulating auger
- Diesel hydraulic powerpack
- John Deere 175HP engine
- Reversible radiator fan
- Turbo II air cleaner
- Programmable PLC control system
- Wireless remote control
- Twin braking axle
- 5th wheel tow
- Light package
- 13' 1" fines conveyor discharge height
- 12' 1" mid size conveyor discharge height
- 15' 4" overs discharge height

- Hydraulic tipping grid
- Vibrating grid
- Wind Sifter
- Star sizes 170mm, 216mm, 230mm, 287mm & 300mm
- Polyurethane self cleaning stars
- Auto greasing
- Magnetic head drum

| Dimensions | |
|------------------|------------|
| Working Length | 50′ 2″ |
| Working Width | 34′ 7″ |
| Working Height | 15′ 5″ |
| Transport Length | 44′ 11″ |
| Transport Width | 8′ 4″ |
| Transport Height | 13′ 1″ |
| Working Weight | 42,000 lbs |

3F Track Star Screen



Standard Features

- 22' 6" x 4' 1" fines star deck
- 12' x 4' 1" midsize star deck
- Screening area: 93ft² fines; 48ft² mids
- Modular deck for quick change
- Variable star speed
- Rubber stars fraction 3/8"-8"
- Feed regulating auger
- Diesel hydraulic powerpack
- John Deere 175HP engine
- Reversible radiator fan
- Turbo II air cleaner
- Programmable PLC control system
- Wireless remote control
- Heavy duty tracks
- 12' 1" fines conveyor discharge height
- 11' 1" midsize conveyor discharge height
- 14' 5" overs discharge height

- Hydraulic tipping grid
- Vibrating grid
- Wind Sifter
- Star sizes 170mm, 216mm, 230mm, 287mm & 300mm
- Polyurethane self cleaning stars
- Auto greasing
- Magnetic head drums

| Dimensions | |
|------------------|------------|
| Working Length | 50′ 3″ |
| Working Width | 34′ 6″ |
| Working Height | 14′ 5″ |
| Transport Length | 44′ 7″ |
| Transport Width | 9′ 6″ |
| Transport Height | 11′ 1″ |
| Working Weight | 53,000 lbs |

Optimize screening after grinding with



1) Screen directly after the primary grinder to screen out *finished* mulch Typically 50% of material after the primary grinder is "finished" product sized 1.5 to 2" minus

| Cost Savings Realized: | | |
|--|--|--|
| 250,000 yards / year operation grinding 200 yards per hour on secondary grind: | | |

| Current Setup | | With STAR SCREEN |
|---------------|-------------------------------------|------------------|
| 1,250 | Hours to regrind | 625 |
| \$100,000 | Grinder fuel costs (20 GPH x 4) | \$50,000 |
| \$25,000 | Grinder maintenance costs (\$20/hr) | \$12,500 |
| \$125,000 | Loader to feed grinder (\$100/hr) | \$62,500 |
| \$250,000 | Total cost to do regrind | \$125,000 |

Annual Costing Savings adding Neuenhauser 2F: \$125,000

a **STAR SCREEN**



2) Screen finished mulch to remove fines

Two major cost savings screening out the fines at 3/8" minus from finished mulch:

1. Dying costs are reduced because fines soak the dye

Eg 250,000 yards per year

Average dying cost per yard with fines: \$4
Average dying cost with fines screened out: \$3
Cost savings per yard: 1

Annual Potential Savings: \$250,000

2. Reduced weigh for transport

Unscreened mulch typically weights: 800 to 900 lbs / cubic yard Mulch screened at 3/8" typically weights: 400 to 500 lbs / cubic yard Transport costs for bagged mulch are therefore reduced by: 25% (depending on state transport laws)

Use a 3F Neuenhauser to realize 3 savings in 1:

Reduce grinding costs
Reduce dying costs
Reduce trucking costs

NH6020 XL Wheel Trommel



Standard Features

6' 7" x 18' drum Variable speed Punch plate spiral or mesh drums 16' 5" hopper

15 yds capacity hopper (with extension) Toothed feeder belt to avoid slippage

Diesel hydraulic powerpack John Deere 100HP engine

5th wheel tow Two braking axles

11' 4" Fines stacking conveyor 13'1" Overs stacking conveyor

Optional Features

Hydraulic tipping grid Vibrating grid Star screen insert Remote control Magnet on overs conveyor Wind sifter Various size drums

| Dimensions | |
|------------------|------------|
| Working Length | 55′ 7″ |
| Working Width | 22' 11" |
| Working Height | 13′ 1″ |
| Transport Length | 42′ 3″ |
| Transport Width | 8′ 4″ |
| Transport Height | 13′ 1″ |
| Working Weight | 42,000 lbs |

NH6020 XL Track Trommel



Standard Features

6' 7" x 18' drum Variable speed Punch plate spiral or mesh drums Quick change drum at ground level Full drum access door Trommel cleaning brush

16' 5" hopper 15 yds capacity hopper (with extension) Toothed feeder belt to avoid slippage

Diesel hydraulic powerpack John Deere 100HP engine

Heavy duty tracks

11' 4" Fines stacking conveyor 13' 1" Overs stacking conveyor

Optional Features

Hydraulic tipping grid Vibrating grid Star screen insert Remote control Magnet on overs conveyor Wind sifter Various size drums Track risers

| Dimensions | |
|------------------|------------|
| Working Length | 55′ 7″ |
| Working Width | 23′ 6″ |
| Working Height | 13′ 1″ |
| Transport Length | 42′ 3″ |
| Transport Width | 9′ 9″ |
| Transport Height | 12′ 1″ |
| Working Weight | 53,000 lbs |

Targo 3000 Wheel Shredder



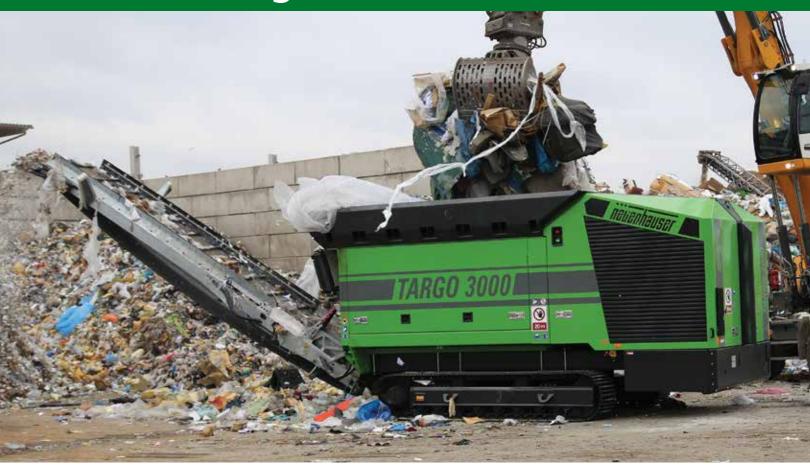
Standard Features

- 9' 10" Shredding Shaft
- Single Shaft
- Bolt mounted comb & roller teeth
- Adjustable gap between shaft and counter comb
- 6yd3 Hopper
- Diesel hydraulic powerpack
- John Deere 430HP engine
- Reversible radiator fan
- Turbo air pre-cleaner
- Direct drive
- Overband Magnet
- Twin braking axle
- 5th wheel tow
- 12' 10" discharge conveyor height
- Hydraulic folding
- Antimagnetic mid section
- Variable speed

- Biopower: 540hp engine
- Shredder shaft equipped with 21 or 42 teeth
- Wireless remote control
- Remote start / stop

| Dimensions | |
|------------------|------------|
| Working Length | 52′ 1″ |
| Working Width | 9′ 9″ |
| Working Height | 11′ 6″ |
| Transport Length | 33′ 6″ |
| Transport Width | 8′ 4″ |
| Transport Height | 11′ 6″ |
| Working Weight | 55,153 lbs |

Targo 3000 Track Shredder



Standard Features

- 9' 10" Shredding Shaft
- Single Shaft
- Bolt mounted comb & roller teeth
- Adjustable gap between shaft and counter comb
- Variable speed shaft
- 6yd3 Hopper
- Diesel hydraulic powerpack
- John Deere 430HP engine
- Reversible radiator fan
- Turbo air pre-cleaner
- Direct drive
- Overband Magnet
- Heavy duty tracks
- 12' 10" discharge conveyor height
- Hydraulic folding
- Antimagnetic mid section
- Variable speed

- Biopower: 540hp engine
- Shredder shaft equipped with 21 or 42 teeth
- Wireless remote control
- Remote start / stop

| Dimensions | |
|------------------|------------|
| Working Length | 44′ 1″ |
| Working Width | 9′ 1″ |
| Working Height | 16′ 2″ |
| Transport Length | 25′ 9″ |
| Transport Width | 9′ 1″ |
| Transport Height | 11′ 9″ |
| Working Weight | 66,138 lbs |

NH6020 Trommel Features



Full side door for easy drum exchange



Punch plate spiral drum



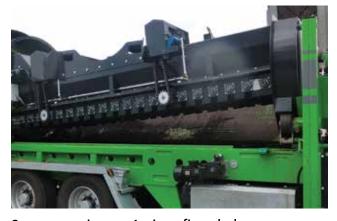
Track or wheel units

5th wheel tow



Track Risers

- Raise or lower the machine
- Tilt front to back



Star screen insert. 1 piece fines belt prevent spillage at transfer point

Features

Non slip feeder belt with non bridging hopper sides

One piece self cleaning brush

Screen drum is interchangeable with other manufacturers* drum

Track or Wheel units

Multiple applications



Targo 3000 Shredder Features



Wing gulley doors for optimum access

Hydraulic fold up counter comb



Wheel or Track



Easy Transport



Adjustable gap between shaft & counter comb for continued shredding action

Features

Screw on comb teeth

Counter comb equipped with Hydraulic overload protection

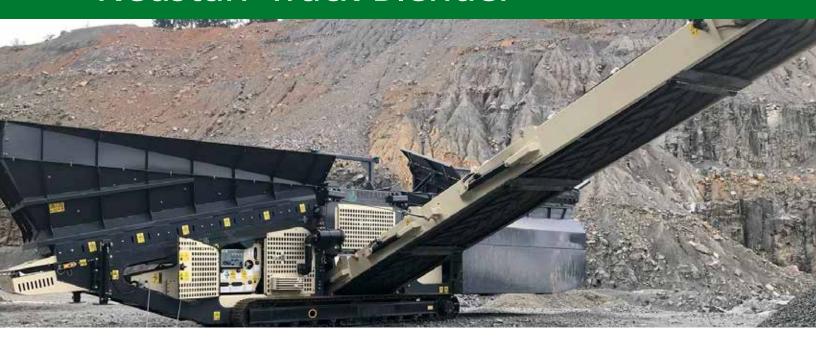
Direct drive reversible shaft

Track or Wheel units

Multiple applications



Neustarr Track Blender



Standard Features

2 Variable speed belt feeders Mixing auger Discharge conveyors Large capacity hopper Track unit

Optional Features

Tipping grid

Neustarr Compact Trommels



Compact Trommels available in track and wheel portable configurations.

Features

5' x 13' wheel driven drum Variable speed CAT C2.2 direct drive Oversize conveyor (optional)

Neustarr Picking Stations



Neustarr picking stations available in static and wheel portable configurations

Optional Features

Overband magnet
Diesel hydraulic powerpack
Air blowers and suckers

Neustarr Portable Conveyors



Track Wheel 60' x 36" 80' x 36" 80' x 48"

Optional Features

Electric or hydraulic drive Diesel hydraulic powerpack Wheel or Track Neustarr® are the official distributors for the world leading Neuenhauser® brand of material processing equipment in North America and Canada. The Neuehauser® brand offer safe, reliable high production equipment for the Organic and Biomass Industries. The mobile equipment is offered in both Wheel & Track versions and encompasses Star Screens, Trommels, Shredders and Flip Flow Screens

Neustarr® also manufacture a range of heavy duty track conveyors for the Aggregates & Organic Industries to reduce both your material handling costs and material contamination or segregation. Custom designed mobile & modular picking stations are offered for short to long term project for all your recycling and sorting requirements.

Star Screens

Star screens are used primarily in the processing of organics such as mulch, compost and topsoil. The primary advantage of a star screen is the ability to screen wet and sticky material without the blinding that occurs when using trommel or flat screens.

Trommel Screens

The Neuenhauser trommel screen features a punch spiral plate drum common in European style trommels. The spiral rolls the material through the drum and avoids "spearing" thereby producing a much more consistent high quality product.

Shredders

The Targo 3000 is a direct drive, single shaft shredder available with track or wheel portable options. The hydraulically controlled shredding comb allows optimal control in all applications and prevents damage by any unshreddable contaminants

Flip Flow Screens

Flip Flow screens are designed to screen fine materials that would blind other screening plants. The machine features flexible polyurethane screen panels that continuously move horizontally and vertically during operation. This movement means the screens self clean avoiding pegging and blinding.

