

 **NEUSTARR**



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

Optional Features

- 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

Optional Features

- 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: 93ft² 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

Optional Features

- 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

Optional Features

- 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



Why use a star screen?

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

Optional Features

- 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

Optional Features

- 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



16' 4" Hopper
15yd³ Capacity

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 gully doors for optimum access



Hydraulic fold up counter comb



Extra long product belt

Wheel or Track



Easy Transport



Single shaft shredder

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

60' x 36"
80' x 48"

Wheel

80' x 36"

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 Neuenhauser® 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.



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