

### 2F Wheel Star Screen



### **Standard Features**

- 22' 6" x 4' 1" star deck
- Screening area: 93ft<sup>2</sup> 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: 93ft<sup>2</sup> 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'<sup>2</sup> fines; 48ft<sup>2</sup> 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



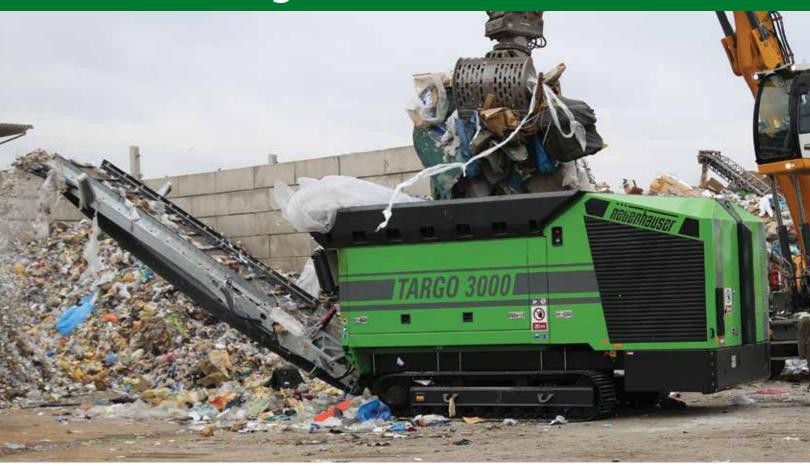
### **Standard Features**

- 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



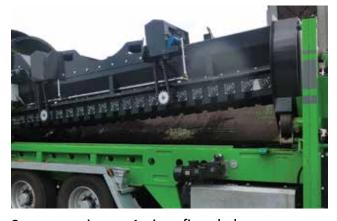
Track or wheel units

5<sup>th</sup> 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 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