

BACKERS 3-TAL STAR SCREEN



Produce three useful products from just one feed material with a Backers 3-TAL double deck star screen! Designed for ultimate screening flexibility, the Backers three-fraction star screen will generate huge volumes of precisely screened material at a very low cost per hour. It's tracked chassis gives the maneuverability to move over the toughest conditions while the star deck provides the agitation to screen wet, sticky materials with no issue.

FEATURES:

- High production where other types of screens struggle
- Multiple products sized in a single pass
- Intense agitation of the material
- Incoming material is evenly and continuously spread over both screen decks

The 3-TAL is easily fed by most loaders and other machines, such as a shredder or grinder. Once in the hopper, the material is loosened by the stars on the coarse deck, passing the midsize and fine fractions to the second deck, while the oversize is discharged off the front.

The medium and fine particles are screened again on the lower deck, with each of the final fractions being discharged off of the side and rear of the machine. Single pass, three products!

OPEN LAYOUT DESIGN: Full access to all the screening decks allows the operator to see the entire process, giving the ability to fine-tune the machine to optimize performance for the specific application.

A MECHANIC'S FAVORITE: Excellent access to all of the machine's components, allowing for ground-level servicing of the machine.

HIGHEST QUALITY SCREENING: The double deck design agitates and homogenizes the material as it passes through to the fines deck, allowing it to be screened most effectively.

MODULAR DECKS: Screening decks are fully modular and interchangeable in 30 minutes, allowing for quick deck changes depending on application as well as easy star replacement.



WITH THE EARTH IN MIND

BACKERS 3-TAL STAR SCREEN

CHASSIS: Steel tracks, ideal for rough terrain

DRIVE: Diesel Engine

TYPE: Volvo Penta 572 VE

POWER: 215 hp (160 kW)

FUEL TANK: 106 gallons

ELECTRICAL SYSTEM: 24 Volts

FEED HOPPER:

- Volume: 11 cubic yards
- Loading Height: 11'-6"

STAR DECKS:

DECK #1:

- Length: 16'-9"
- Width: 48"

DECK #2:

- Length: 22'
- Width: 48"

CONVEYORS:

FINES CONVEYOR:

- Length: 12'-4"
- Width: 26"

MIDDLE CONVEYOR:

- Length: 12'-4"
- Width: 48"

UNDERS CONVEYOR:

- Length: 19'-4"
- Width: 48"

HEAVY-DUTY TRACKS:

- Length: 16'-6"

TRANSPORT DIMENSIONS:

- Length: 52'-10"
- Width: 8'3"
- Height: 12'-2"

BACKERS

3-TAL STAR SCREEN

FEED HOPPER: A live bottom on the feed hopper keeps the material moving, while a removable auger distributes the material evenly toward the screening deck.

STARS: Whether you need a fraction size as small as 3/8" or as large as 6", Backers Star Screens come with only the highest quality stars. Featuring:

- Unique rubber - plastic composition to prevent shrinking or swelling.
- Optional polyurethane star composition mixture available
- High rigidity
- Tremendous wear life (typically 3,000 hours)
- Simple, quick change

PREMIUM STAR DECK: An innovative four bolt system to create tight shaft tolerances, complete with spacers and end plates made of stainless steel. It will best resist corrosion and material stickiness, and greatly increases the wear life of the deck.

EXTENDED COARSE DECK: 3-TAL has an extended coarse deck, allowing an additional 6' for intense agitation and screening, giving the finer material even more time to pass to the second deck.

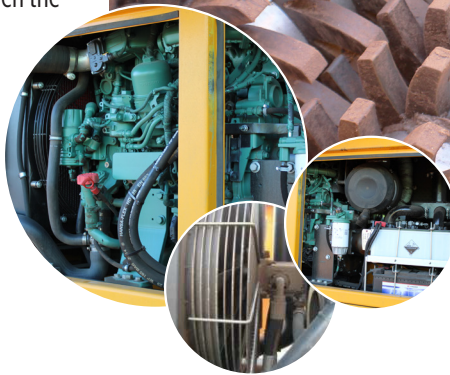
HEAVY DUTY TRACKS: Ultimate maneuverability over even the most challenging terrain, controlled by remote.

VOLVO PENTA TAD 572 VE DIESEL ENGINE:

- 215 hp
- Certified EPA Tier 4 Final

HYDRAULIC SYSTEM

- Rexroth Tandem High Speed Pumps
- Danfoss PVG 32 Valves
- 93 gallon hydraulic tank



- **Engine Cooling:** Automatic reversing
- **Hydraulic Cooling:** Automatic reversing



CONTROL PANEL AND REMOTE CONTROL

- 6.5" Graphical Display Interface
- Integrated CAN-Bus Control System
- 1-button start / stop
- All engine and hydraulic levels and temperatures
- Time, Date, Working Hours
- Engine Load Factor
- Cleaning system up / down - automatic
- All conveyor belt controls
- Speed settings of all components

Remote Control Functions

- Automatic start-stop
- Deck Cleaning System Control
- 1-times hopper stop / 2-times hopper backwards
- Activate / Deactivate Track System
- Track forward / Backward
- Independent Track Control Left/Right
- Stop



BACKERS STAR SCREEN ADVANTAGES



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AUTOMATIC DECK CLEANING SYSTEM

- Mounted above deck and actuated hydraulically.
- Designed to be only used as needed and can be programmed to be deployed on a timer or by actual deck load
- Cleans between each star on the shaft, as well as between each star's fingers.

BACKERS DECK SLIDE: Hydraulically move the coarse deck to bypass the fines deck at the touch of a button and quickly convert from a 3-fraction to a 2-fraction machine.

CONVEYORS: All conveyors are driven at the tail pulley by high-quality Danfoss OM hydraulic motors.

- Smooth profile belts
- Infinitely adjustable speed

ADDITIONALLY INCLUDED:

- Hopper Extensions
- Automatic Central Lubrication
- Reversing cleanfix engine fan
- Reversing cleanfix hydraulic cooler fan
- Fines conveyor discharges to the right of the machine
- Fire Extinguisher
- Ladder
- Preparation for windsifter on fines deck
- Air Compressor for machine cleaning
- Hinged chute for the coarse screen
- Additional 4 rollers on unders belt

OPTIONS:

- Hopper extensions
- Grizzly screen
- Vibrating Grizzly Screen
- Magnetic head pulley - fine and oversize belt
- Premium Star Deck
- Windsifter
- Preparation for 2nd Windsifter





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