



WITH THE EARTH IN MIND

ENVIRONMENTAL PRODUCT OFFERING

**BACKERS**



TWO-FRACTION STAR SCREENS  
THREE-FRACTION STAR SCREENS

# BACKERS

## TWO-FRACTION STAR SCREENS

Mobility, durability, and high-production make Backers two-fraction star screens the right choice for tough screening applications.

Backers two-fraction star screens deliver exceptional performance on a variety of materials. Screen when you need to, regardless of the weather or source material condition. Break up clays. Separate wet topsoil, compost, screen mulch, and aggregate. Backers 2-ta screens work during the rainy season.

Specifically designed for rough terrain, the powerful 2-ta with its tracked undercarriage brings an additional level of value and mobility. Add an optional grizzly to scalp off extra-large course material before it enters the screen.



### AUTOMATIC DECK CLEANING SYSTEM

The Backers automatic deck cleaning system cleans only when necessary, reducing star wear and increasing overall screen efficiency.



### REAR ENGINE

The rear-mounted engine compartment is fully accessible without the need for ladders or steps. The robust, Tier IV engine powers through the toughest screening applications..

#### 2-ta

- one screen deck
- two fraction sizes
- tracked chassis

#### 2-ma

- one screen deck
- two fraction sizes
- fifth-wheel chassis

#### 2-ha

- one screen deck
- two fraction sizes
- hook-lift/tracked chassis





### LOWER WEAR

Oversize material is screened by the coarse deck only, minimizing wear on the fines deck and maximizing overall production.



### PRECISION SCREENING

Source material is evenly and continuously fed to both screen decks for maximum production and reliable separation of clean fines.

## THREE-FRACTION STAR SCREENS

The industry's choice for ultimate screening flexibility, Backers three-fraction star screens generate huge volumes of precision screened material with low production costs.

Now you can produce three value-added products from just one single material stream. Pass all material over the coarse deck to break up wet or sticky organics, maximizing production and overall screen yield. Create a fourth fraction by adding an optional grizzly to scalp off the very coarse material; or attach an optional wind sifter to remove plastics and other light contaminants from either or both screening decks.

Backers three-fraction star screens are highly maneuverable, and are available on stationary, wheeled, tracked, or our exclusive wheeled/tracked chassis. For ultimate flexibility and throughput, Backers three-fraction star screens are unmatched.

#### 3-ta

- two screen decks
- three fraction sizes
- tracked chassis

#### 3-ma

- two screen decks
- three fraction sizes
- fifth-wheel chassis

#### 3-mta

- two screen decks
- three fraction sizes
- tracked/fifth-wheel chassis

\*Each of these models also available in extended screen deck configuration.



## TWO-FRACTION FUNCTIONALITY

After being fed to the hopper, material is transported via rotating stars over the screening shafts and across the screening deck. This loosens and breaks up the material. Fine material passes through the stars to the fines belt below and discharges off the side. Oversized particles that make it across the screening deck are discharged off the fines belt out the end.



## THREE-FRACTION FUNCTIONALITY

From the hopper, material is loosened by the stars on the course deck; medium and fine particles that pass through the stars are transported to a second deck, while overs are discharged off the front. The medium and fine particles are then screened again on the lower deck, with each of the final fractions being discharged off the sides or rear, depending on the chosen configuration.

## STARSCREEN OPTIONS



COMPRESSOR



GRIZZLY



EXTENDED COURSE SCREEN



WIND SIFTER



MIXING UNIT



AUTO LUBE



DECK SLIDER



ICM

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