



# BACKERS



star screens



Environmental conditions will not degrade the massive throughput of a Backers star screen. Break up clays. Separate wet topsoil, aggregate, and mulch. Screen dirty wood chips. Whatever the challenge, this machine handles it, delivering up to three fractions in a single pass with Backers impressive engineering.



## INNOVATIVE FEATURES ON BACKERS STAR SCREENS



Hydraulic deck slider allows easy change from three-product to two-product configuration.



The rear-mounted engine compartment is fully accessible without the need for ladders or steps.



On three-fraction units, oversized material is only screened on the coarse deck to minimize wear.



# NEITHER SNOW, NOR RAIN ...

## Non-Stop high-volume production.

By creating aggressive agitation with heavy-duty polyurethane stars, Backers star screens effectively break up material during the sizing process. This method is advantageous over drum-style trommel screens or mesh-style deck screens when wet weather conditions impact operations or affect source stockpiles.

Backers offers both two- and three-fraction models, with additional performance-extending options that include a deck slider, wind sifters, deck cleaners, feeder augers, and PU stars for added durability. This flexibility ensures a perfect fit in any application, environment, or operation and a performance that is unmatched in the industry.

## Two-fraction star screens offer mobility, durability, and high-production.

Backers two-fraction star screens deliver exceptional performance on a variety of materials, separating them into fines and overs product sizes. Multiple two-fraction models are available including tracked, wheeled, and stationary options. The tracked 2-ta model is our most popular due to its mobility in rough terrain. An optional grizzly can be added to any model to scalp off extra-large course material before it enters the screen.

## Three-fraction star screens generate huge volumes of precision screened material.

For more complex operations, the three-fraction models offer tremendous value by maximizing production and overall screen yield. Process construction waste, compost, topsoil, biomass, grains and wood chips, passing material over the course deck to break up wet or sticky organics. Create a fourth fraction by adding an optional grizzly, or attach a 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.



A four-bolt system connects the shaft and stars, creating stability and improving shaft tolerance.



The precision control system allows the right product to be produced at the right level.



Heavy-duty stars agitate material to maximize production in wet conditions.

# BACKERS MODELS AND SPECS

## TWO FRACTION

### DRIVE

TYPE	Perkins diesel
POWER	188hp / 140kW
FUEL TANK	100g diesel
ELECTRICAL SYSTEM	24V
EMISSIONS	Tier V final

### CHASSIS

TYPE	tracked or wheeled options
FEED HOPPER	6.5 yd <sup>3</sup>
LOADING HEIGHT	9'
TRACK LENGTH	13'
TRACK WIDTH	16"

### CONVEYORS

FINES LENGTH	17'
FINES WIDTH	26"
OVERSIZE LENGTH	12'
OVERSIZE WIDTH	48"

### STAR DECK

LENGTH	22'
WIDTH	48"
FRACTION SIZE	3/8" - 6"

## THREE FRACTION

### DRIVE

TYPE	Perkins diesel
POWER	188hp / 140kW
FUEL TANK	106g diesel
ELECTRICAL SYSTEM	24V
EMISSIONS	Tier V final

### CHASSIS

TYPE	tracked or wheeled options
FEED HOPPER	11 yd <sup>3</sup>
LOADING HEIGHT	11' 6"
TRACK LENGTH	16' 6"
TRACK WIDTH	16"

### CONVEYORS

FINES LENGTH	12' 4"
FINES WIDTH	26"
MIDDLE LENGTH	12' 4"
MIDDLE WIDTH	48"
UNDERS LENGTH	19' 4"
UNDERS WIDTH	48"

### STAR DECK

TOP DECK LENGTH	16' 9"
TOP DECK WIDTH	48"
TOP DECK FRACTION SIZE	1.5" - 8"
BOTTOM DECK LENGTH	22'
BOTTOM DECK WIDTH	48"
BOTTOM DECK FRACTION SIZE	1/4" - 4"

## AVAILABLE OPTIONS



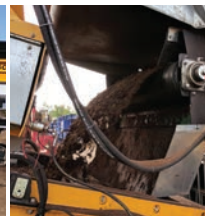
tracks



wheels



track-wheel combination



deck slider



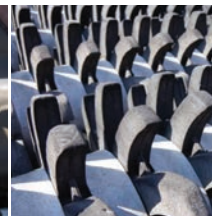
wind sifters



automatic deck cleaner



auger in hopper



PU stars



[ECOVERSE.NET](http://ECOVERSE.NET)

440-937-3225

ECO-115 9/21 500