



KOMPTECH
AMERICAS

MULTISTAR

MOBILE HYBRID STAR SCREENS



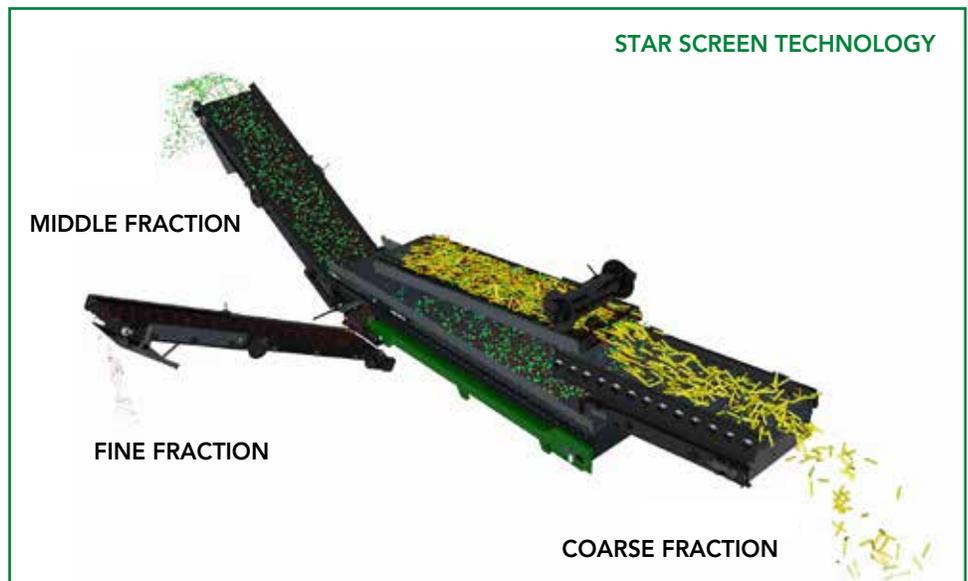


HIGHLIGHTS



- » Separation into 2 or 3 fractions in one machine
- » High throughput from 130-660 yd³
- » High flexibility with output product size changes in just seconds
- » Screen wet material with the patented CLEANSTAR system.
- » Low operating costs with dual power capabilities.

STAR SCREEN TECHNOLOGY



SCREENING WITH STARS:

Star screens consist of one or two screen decks, depending on the model. The rotating shafts of the coarse screen deck move the material horizontally. Everything that cannot fall through the defined gap between the stars is separated off as coarse material. Material falling through the screen moves on the fine screen deck fitted with smaller stars, and is separated into fine and medium fractions in the same way.

The screening flow from coarse to fine delivers high quality output in a short screen length, and keeps larger contraries out of the fine fraction. Particle size can be controlled by varying the rotation speed of the star shafts. Using frequency converters on the operator console, the particle size can be changed within seconds. All functions are monitored by a central control unit which reports on the current operational status.

WHY USE A STAR SCREEN?

Star screens have the ultimate flexibility in determining output product sizes. This is because the product size is infinitely adjustable depending on the speed of the stars. The organics market often requires multiple products at multiple sizes. Star screens become much more cost effective for this application. The other big requirement in screening organics is the ability to process wet material. Star screens are specifically designed to handle wet material that often blind up the drums of a trommel screen and the decks of a deck screen.



- 1 Screen deck drive with electric motors
- 2 Large hopper volume up to 5 yd³ with low loading height
- 3 Excellent maintenance access through service doors and easily removable siding
- 4 Road legal semi-trailer
- 5 One-piece fines discharge conveyor prevents leakage
- 6 Clear, easily understood control panel with programmable recipes
- 7 All components powered with ground power or with the on-board diesel generator



Always clean thanks to CLEANSTAR

Each star has a wear-resistant cleaning finger that cleans the screen gap to the surrounding stars on each rotation.

Advantages:

- » Screen wet material
- » Prevent wrapping
- » Reduce star wear
- » Maintain product adjustability



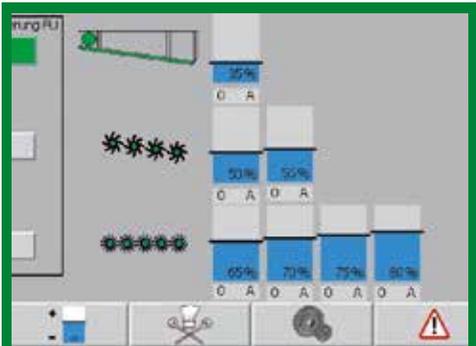
THE MULTISTAR S3

The Multistar S3 is the entry-level member of Komptech's professional star screen line. Designed expressly for the needs of moderate volume users, the S3 combines low cost with a level of performance previously only available in the high-capacity L and XL class. The Multistar S3 has small dimensions while still offering the mobility for service providers or multi-site use.

Like the higher capacity models, the applications range from composting and food waste shredding, to mulch and bark processing. Similarly, almost all the options of the larger machines are available - wind-sifting of the medium and overs fraction, screen deck variations, switch from 3 to 2 fractions, hopper extensions and much more. The S3 naturally meets Komptech's green efficiency criteria: high efficiency at low emissions.



- 1 Easily change between 3 & 2 fractions
- 2 Ability to remove stones and metal
- 3 Greaseless bearings for low maintenance
- 4 Windsifters available on mid and overs fractions
- 5 Hybrid dual power



From fine to coarse at the press of a button

In just seconds, particle size can be changed from 1/4"-6" by varying the rotation speed of the star shafts.



THE MULTISTAR L3

High throughput across a wide range of applications, combined with the patented cleaning system for an outstanding degree of separation even with wet materials, make it the most capable machine in its class. And then there's its impressive energy efficiency: All machine components are electrically driven. The power can come from the grid

for the lowest cost, or from the on-board generator where grid power isn't available. The new features boost operating flexibility and simplify maintenance. Cover panels don't just protect the components inside, they also serve as access doors for full access to all maintenance points.



- 1 Extra-large overs screen deck for increased production of finished product with tighter spacing to produce a finer mulch
- 2 Switch between 3 or 2 fractions with the touch of a button
- 3 Grind directly into the large 10 yd³ hopper
- 4 Reduce handling costs by powering stacking conveyors directly from the machine
- 5 Make two sellable products in one pass



Economical hybrid drive

Electric drive of all components, from grid power or a diesel generator

Lower fuel, wear, and maintenance costs than with diesel-hydraulic drive

THE MULTISTAR XL3

The XL3 adds to Komptech's line of large star screens. Its extra long coarse screen deck is a major benefit where coarse screening is a bottleneck, for example with fresh biomass. It brings a definite increase in throughput. The high performance and a semitrailer design for easy transport make the new XL3 perfect for large volume producers that demand mobility.

The XL3 offers unmatched flexibility through the simple adjustability of the screen cut and market-leading low energy consumption with all-electric drive, using electricity from on-board generator or grid.



- 1 5 fine deck motors for precise selectivity
- 2 Up to 530 cubic yards per hour
- 3 15.7 cubic yard hopper
- 4 High efficiency burning only 1.5 gallons of fuel per hour



Built for throughput

The sheer scale makes it obvious - these machines are built for big volumes. Luckily, the 15.7 yd³ / 12 m³ (XXL3) or 19.6 yd³ / 15 m³ (XXL2) hopper can be filled from both sides. Extremely wide output conveyors make sure that what goes in, comes out without a hitch.

THE MULTISTAR XXL3

The Multistar XXL3 is a top of the line high-performance star screen from Komptech. This machine is designed for the most demanding operation with the highest throughput, while retaining the benefits of mobility.

Heavy-duty components for continuous operation, large screen decks with wide discharge belts and a powerful, but extremely economical electric drive all ensure throughput. The end result: Unbeatably low operating costs at full production.



- 1 20 yd³ hopper loadable from 3 sides can keep up with any grinder
- 2 New quick change screen deck
- 3 Output product size changed in seconds from 1/4" to 6" minus
- 4 Large reserve power to run your stacking conveyors burning only 1.5 gallons/hour



No hopper clogging

Large hopper with rounded corners and active metering drum

Reliable material feed with inclined floor and scraper conveyor (L3/ XL3/ XXL-2/XXL3)

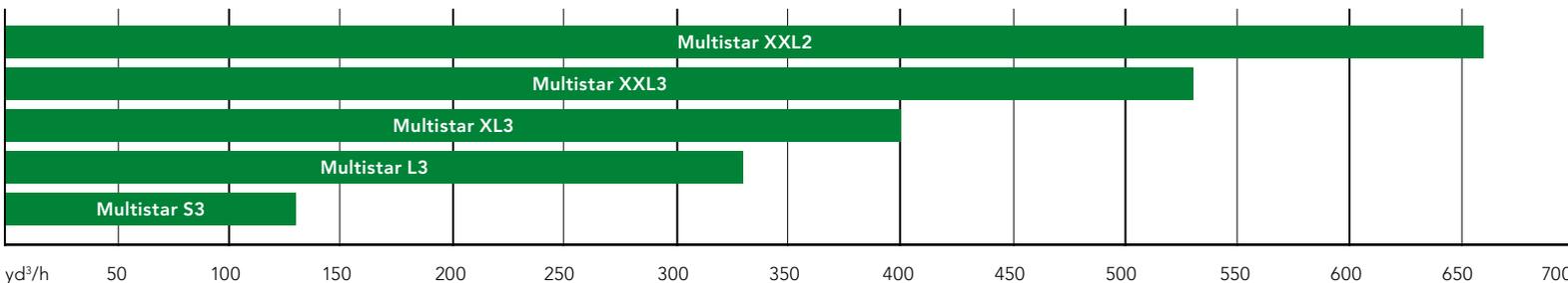


THE MULTISTAR XXL2

The Multistar XXL2 is designed as a pure 2-fraction star screen and gives high performance, with up to 660 yd³/h throughput. The XXL2 is a promising alternative to drum screens in situations where separation into three fractions is not strictly necessary, for example compost screening and bark processing.

The Multistar XXL2 offers unparalleled flexibility through the simple adjustability of the screen cut, and low energy consumption through all-electric drive (using electricity from generator or grid).

Drive	S3	L3	XL3	XXL3	XXL2
Diesel generator (kVA):	60	80	80	80 / 100	80
Material feeding					
Hopper volume:	3.2 yd ³ / 4.5 yd ³ (option) 2.5 / 3.5 m ³ (option)	~ 9.2 yd ³ ~ 7 m ³	~ 9.2 yd ³ ~ 7 m ³	~ 15.7 yd ³ ~ 12 m ³ (option up to 19.6 yd ³ / 15 m ³)	~ 13 yd ³ ~ 10 m ³
Filling length:	10' 2" 3100 mm	11' 2" 3750 mm	11' 2" 3400 mm	13' 1" and 19' 4000 and 5800 mm (fillable on both sides)	13' 1" 4000 mm
Filling height:	8' 2" / 9' 10" 2500 / 3000 mm	11' 6" 3450 mm	11' 6" / 13' 1" 3500 / 4000 mm	12' 2" 3700 mm	10' 6" 3200 mm
Screen segments					
Coarse screen L x W / area:	7' 10" x 2' 11" / 22.6 ft ² 2400 x 900 mm / 2.1 m ²	10' 6" x 3' 11" / 41.4 ft ² 3198 x 1200 mm / 3,85 m ²	16' 5" x 3' 11" / 64.5 ft ² 5000 x 1200 mm / 6.0 m ²	16' 7" x 3' 11" / 65.6 ft ² 5064 x 1200 mm / 6.1 m ²	-
Fine screen L x W / area:	13' 11" x 2' 11" / 41.9 ft ² 4250 x 900 mm / 3.9 m ²	19' 2" x 4' 1" / 78.5 ft ² 5852 x 1250 mm / 7,3 m ²	17' 11" x 4' 1" / 73.1 ft ² 5450 x 1250 mm / 6.8 m ²	29' 3" x 4' 1" / 118.4 ft ² 8911 x 1250 mm / 11 m ²	23' x 5' 3" / 120.5 ft ² 7000 x 1600 mm / 11.2 m ²
Screen section					
Coarse particle:	> 2 2/3"...3 1/2" > 60.....90 mm	> 2 2/3"...3 1/2" > 60.....90 mm	> 1"...2" > 25...50 mm	> 2 2/3"...3 1/2" > 60.....90 mm	> 19/32"...1" > 15...30 mm
Medium particle:	3/8"...1" / 2 2/3"...3 1/2" 10.....25 / 60.....90 mm	3/8"...1" / 2 2/3"...3 1/2" 10.....25 / 60.....90 mm	3/8"...1" / 1"...2" 10...25 / 25...50 mm	3/8"...1" / 2 2/3"...3 1/2" 10...25 / 60...90 mm	-
Fine particle:	0 / 3/8"...1" 0 / 10.....25 mm	0 / 3/8"...1" 0 / 10.....25 mm	0 / 3/8"...1" 0 / 10...25 mm	0 / 3/8"...1" 0 / 10...25 mm	0 / 19/32"...1" 0 / 15...30 mm
Material discharge					
Max. discharge height coarse fraction:	7' 7" 2300 mm	9' 4" 2850 mm	10' 7" 3230 mm	11' 10" 3600 mm (option 15' 1" / 4600 mm)	11' 10" 3600 mm
Max. discharge height medium fraction:	9' 6" 2900 mm	11' 6" 3500 mm	11' 6" 3500 mm	11' 6" 3500 mm	-
Max. discharge height fine fraction:	7' 7" 2300 mm	10' 2" 3500 mm	10' 2" 3100 mm	10' 2" 3100 mm	8' 10" 2700 mm (option 13' 1" / 4000 mm)
Dimensions					
Transport dimension L x W x H:	26' 11" x 8' 1" x 8' 5" 8200 x 2450 x 2560 mm	37' 9" x 8' 5" x 13' 1" 11500 x 2550 x 4000 mm	39' 1" x 8' 2" x 13' 1" 11900 x 2500 x 4000 mm	44' 11" x 8' 2" x 13' 1" 13700 x 2500 x 4000 mm	44' 11" x 8' 5" x 12' 10" 13700 x 2550 x 3900 mm
Transport dimension semi-trailer L x W x H:		44' 7" x 8' 5" x 13' 1" 13600 x 2550 x 4000 mm			
Working dimension L x W x H:	36' 4" x 18' 2" x 9' 10" 11066 x 5542 x 3000 mm	49' 3" x 20' 10" x 13' 1" 15000 x 6350 x 4000 mm	55' 9" x 21' 4" x 13' 1" 17000 x 6500 x 4000 mm	55' 9" x 21' 4" x 13' 1" 17000 x 6500 x 4000 mm	50' 10" x 13' 11" x 12' 10" 15500 x 4250 x 3900 mm
Weight:	~ 11 t.sh ~ 10.0 t	~ 23 t.sh ~ 21,0 t	~ 24 t.sh 22.0 t	~ 29 t.sh 26.0 t	~ 24 t.sh 22.0 t
Throughput (dependent on material)					
Throughput performance:	up to 130 yd ³ /h up to 100 m ³ /h	up to 330 yd ³ /h up to 250 m ³ /h	up to 400 yd ³ /h up to 300 m ³ /h	up to 530 yd ³ /h up to 400 m ³ /h	up to 660 yd ³ /h up to 500 m ³ /h
Options					
Different screen options for coarse and fine screen, magnetic drum, discharge belt for rolling pieces, windsifter, diesel generator towing and chassis options, radio remote control, central lubrication and more					



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