

# GEO Screentech Srl

## Screening Solutions



**MOBILE STARSCREENS SST**

**HIGH PRODUCTIVITY - PRECISION - FLEXIBILITY**

**TRACKS - SEMI-TRAILER - HOOKLIFT - STATIONARY**

# GEO SCREENTECH

## Starscreen 2 fractions

Star screens are outstanding in screening any moist and sticky material, and combine great production and screening precision.

They are particularly suitable for screening excavated and aggregate soil, compost, biomass, industrial sludge, CSS, carfluff.

Fraction from 6 to 300 mm.



# GEO SCREENTECH

## Starscreen 2 fractions



Starscreen 2-sa  
Screening unit  
Positioned on skids;  
Does not require anchors.  
Perfect for  
Fixed plants or  
Semi-mobile electrically  
powered.  
A kit is available with  
Wheels to make it  
Self-propelled on site.



Starscreen 2-ha  
Screening unit  
Tracked unloader;  
the ultimate in  
Flexibility.  
It guarantees a  
Production up to 120 m<sup>3</sup>/h  
Ideal for frequent  
Position changes.

Starscreen 2-ta  
The possibility of varying the  
inclination of the screen, and  
consequently the effectiveness of  
screening, places this model at  
the top of the line. Freedom of  
movement in any terrain, the  
speed adjustable and height of  
discharge of the belts, allow  
optimal management of the  
material processed



The loading hopper translatable and the extensible belts makes the screening unit operational in just a few minutes. It can be transported either by roll-off truck or by semi-trailer truck.



With a 5 or 8 m<sup>3</sup> hopper and 7 meters long screening deck, the 2ma is able to screen up to 240 m<sup>3</sup>/h. It can be supplied either as a trailer or semi-trailer.

# GEO SCREENTECH

## Starscreen 3 fractions

Mobile 3-fractions starscreen for roughing and separating any material.  
 Vibrating screen, primary screening, secondary screening, separators aeraulic and magnetic make it possible to have a complete self-propelled plant for screening.  
 Fraction from 6 to 300 mm.



# GEO SCREENTECH

## Starscreen 3 fractions



Loading hopper of 5 or 8 m<sup>3</sup>.  
 The grate can be tilted and fixed, vibrating or with grizzlyscreen™ technology.



STARSCREEN 3-fractions  
 The ultimate in effectiveness in the separation of all type of materials, thanks to the combined action of multiple planes screens.



The STARSCREEN 3-mtb meets the european road standards and can be transported on road without any special permits.

The symmetrical position of the primary and secondary screen relative to the hopper allows for a screening quality unattainable by other systems with overlapping screening plans.



The adjustable speed of the discharge belts allows piles of screened material to be made at a great distance from the screening unit.

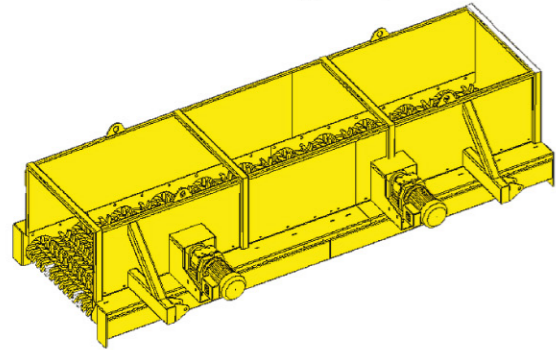


# GEO SCREENTECH Starscreen stationary

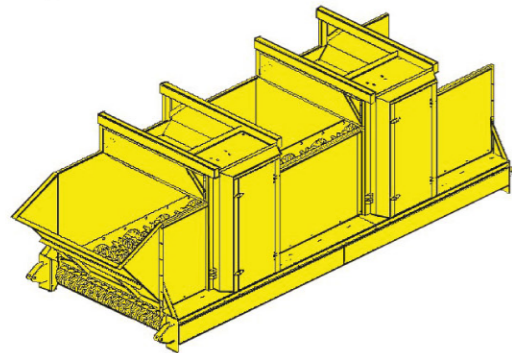


Star screens are customized according to the specific needs of the client. The dimensions are adapted to the spaces available or the productions required. They can be integrated with belts conveyors and dosing hoppers.

STARSSCREEN standard width 1.2 m and length at your choice



Customized STARSSCREEN with width up to 2 mt.



12 m³ hopper and 4-fractions screening line



Integratable into any production line



# GEO SCREENTECH Starscreen stationary



## ADDITIONAL COMPONENTS



1 ready for remote control - 2 tilting screen - 3 grizzly screen - 4 magnetic drum - 5 dosing auger - 6 automatic cleaning system - 7 windshifter separator - 8 automatic radiator cleaning with cleanflex

## COMPONENTS and SERVICE

TOP-QUALITY RUBBER OR POLYURETHANE STARS CUSTOMIZED CONVEYOR BELTS  
 REXROTH AND DANFOSS HYDRAULIC ELEMENTS  
 REMOTE CONTROL AND MONITORING  
 SPARE PARTS WAREHOUSE H24



## STARSCREEN 2 FRACTIONS - TECHNICAL DATA

Machine	2-ha	2-hta	2-ma	2-sa	2-ta	2-ma17
Length (Work / Transport)	9,20 m / 6,80 m	9,20 m / 6,80 m	14,16 m / 12,80 m	14,16 m / 12,09 m	14,30 m / 12,83 m	15,90 m / 14,43 m
Width (Work / Transport)	5,45 m / 2,55 m	5,45 m / 2,55 m	5,77 m / 2,55 m	5,77 m / 2,55 m	5,77 m / 2,55 m	4,89 m / 3,0 m
Height (Work / Transport)	2,68 m	2,68 m	3,95 m / 3,87 m	3,80 m / 3,0 m	3,95 m / 3,36 m	3,95 m / 3,87 m
Weight (approx.)	9 to	11 to	18 to	15 to	18 to	20 to
Motor *	74,5 kW Perkins	74,5 kW Perkins	130 kW Perkins	130 kW Perkins	130 kW Perkins	130 kW Perkins
Chassis	Hooklift	Hooklift + Tracks	Semi-Trailer / Trailer	Stationary	Tracks	Semi-Trailer / Trailer
Capacity	>120 m <sup>3</sup> /h	>120 m <sup>3</sup> /h	>200 m <sup>3</sup> /h	>200 m <sup>3</sup> /h	>200 m <sup>3</sup> /h	>200 m <sup>3</sup> /h
Hopper	2-ha	2-hta	2-ma	2-sa	2-ta	2-ma17
Volume	2,5 m <sup>3</sup>	2,5 m <sup>3</sup>	5,0 m <sup>3</sup>	5,0 m <sup>3</sup>	5,0 m <sup>3</sup>	8 m <sup>3</sup>
Dimensions (l x w x h)	2,8 x 2,1 x 1,0 m	2,8 x 2,1 x 1,0 m	3,9 x 1,2 x 1,0 m	3,9 x 1,2 x 1,0 m	3,9 x 1,2 x 1,0 m	3,9 x 1,5 x 1,0 m
Loading Height	3,0 m	3,0 m	3,0 m	2,7 m	2,9 m	3,0 m
Screening deck	2-ha	2-hta	2-ma	2-sa	2-ta	2-ma17
Dimensions (l x w)	4,8 x 1,2 m	4,8 x 1,2 m	6,7 x 1,2 m	6,7 x 1,2 m	6,7 x 1,2 m	8,1 x 1,2 m
Grain size	>6 mm	>6 mm	>6 mm	>6 mm	>6 mm	>6 mm
Conveyor belt	2-ha	2-hta	2-ma	2-sa	2-ta	2-ma17
Middle grain	0,65 x 5,1 m (r)	0,65 x 5,1 m (r)	0,65 x 5,1 m (r)	0,65 x 5,1 m (r)	0,65 x 5,1 m (r)	0,65 x 5,1 m (r)
Over grain	1,2 x 2,45 m (h)	1,2 x 2,45 m (h)	1,2 x 2,45 m (h)	1,2 x 3,6 m (h)	1,2 x 3,6 m (h)	1,2 x 2,45 m (h)



## STARSCREEN 3 FRACTIONS - TECHNICAL DATA

Machine	3-ma	3-mal	3-mta	3-mtal	3-mta17
Length (Work / Transport)	16,22 m / 14,72 m	18,12 m / 16,62 m	16,22 m / 14,72 m	18,12 m / 16,62 m	18,15 m / 16,80 m
Width (Work / Transport)	5,76 m / 2,55 m	5,76 m / 2,55 m	5,76 m / 2,55 m	5,76 m / 2,55 m	6,10 m / 3,0 m
Height (Work / Transport)	4,0 m	4,0 m	4,0 m	4,0 m	4,0 m
Weight (approx.)	20 to	25 to	30 to	30 to	30 to
Motor *	168 kW Perkins	168 kW Perkins	168 kW Perkins	168 kW Perkins	168 kW Perkins
Chassis	Hooklift	Hooklift	Hooklift	Hooklift	Hooklift
Capacity	>200 m <sup>3</sup> /h	>200 m <sup>3</sup> /h	>200 m <sup>3</sup> /h	>200 m <sup>3</sup> /h	>200 m <sup>3</sup> /h
Hopper	3-ma	3-mal	3-mta	3-mtal	3-mta17
Volume	5 m <sup>3</sup>	5 m <sup>3</sup>	5 m <sup>3</sup>	5 m <sup>3</sup>	8 m <sup>3</sup>
Dimensions (l x w x h)	3,9 x 1,2 x 1,0 m	3,9 x 1,2 x 1,0 m	3,9 x 1,2 x 1,0 m	3,9 x 1,2 x 1,0 m	3,9 x 1,2 x 1,0 m
Loading Height	3,35 m	3,35 m	3,35 m	3,35 m	3,35 m
Screening deck	3-ma	3-mal	3-mta	3-mtal	3-mta17
Dimensions (l x w) Deck 1	3,2 x 1,2 m	5,1 x 1,2 m	3,2 x 1,2 m	5,1 x 1,2 m	3,2 x 1,7 m
1. Grain size	>32 mm	>32 mm	>32 mm	>32 mm	>32 mm
Dimensions (l x w) Deck 2	6,7 x 1,2 m	6,7 x 1,2 m	6,7 x 1,2 m	6,7 x 1,2 m	8,1 x 1,8 m
2. Grain size	>6 mm	>6 mm	>6 mm	>6 mm	>6 mm
Conveyor belt	3-ma	3-mal	3-mta	3-mtal	3-mta17
Fine grain	0,65 x 3,7 m (r)	0,65 x 3,7 m (r)	0,65 x 3,7 m (r)	0,65 x 3,7 m (r)	0,65 x 3,7 m (r)
Middle grain	0,65 x 3,7 m (h)	0,65 x 3,7 m (h)	0,65 x 3,7 m (h)	0,65 x 3,7 m (h)	0,65 x 3,7 m (h)
Over grain	Direct discharge	Direct discharge	Direct discharge	Direct discharge	Direct discharge
Machine	3-ta17	3-mb	3-mbl	3-mtb	3-mtb17
Length (Work / Transport)	17,83 m / 17,60 m	13,66 m	15,52 m	13,66 m	16,53 m
Width (Work / Transport)	7,35 m / 3,65 m	5,39 m / 2,55 m	5,39 m / 2,55 m	5,39 m / 2,55 m	6,83 m / 3,0 m
Height (Work / Transport)	4,0 m	4,0 m	4,0 m	4,0 m	4,0 m
Weight (approx.)	25 to	20 to	25 to	30 to	30 to
Motor *	168 kW Perkins	168 kW Perkins	168 kW Perkins	168 kW Perkins	168 kW Perkins
Chassis	Hooklift	Tracks	Hooklift + Tracks	Hooklift + Tracks	Hooklift + Tracks
Capacity	>300 m <sup>3</sup> /h	>200 m <sup>3</sup> /h	>200 m <sup>3</sup> /h	>200 m <sup>3</sup> /h	>300 m <sup>3</sup> /h
Hopper	3-ta17	3-mb	3-mbl	3-mtb	3-mtb17
Volume	8 m <sup>3</sup>	5 m <sup>3</sup>	5 m <sup>3</sup>	5 m <sup>3</sup>	8 m <sup>3</sup>
Dimensions (l x w x h)	3,9 x 1,2 x 1,0 m	3,9 x 1,2 x 1,0 m	3,9 x 1,2 x 1,0 m	3,9 x 1,2 x 1,0 m	3,9 x 1,2 x 1,0 m
Loading Height	3,35 m	3,35 m	3,35 m	3,35 m	3,35 m
Screening deck	3-ta17	3-mb	3-mbl	3-mtb	3-mtb17
Dimensions (l x w) Deck 1	3,2 x 1,7 m	3,2 x 1,2 m	5,1 x 1,2 m	3,2 x 1,2 m	3,2 x 1,7 m
1. Grain size	>32 mm	>32 mm	>32 mm	>32 mm	>32 mm
Dimensions (l x w) Deck 2	8,1 x 1,8 m	6,7 x 1,2 m	6,7 x 1,2 m	6,7 x 1,2 m	8,1 x 1,7 m
2. Grain size	>6 mm	>6 mm	>6 mm	>6 mm	>6 mm
Conveyor belt	3-ta17	3-mb	3-mbl	3-mtb	3-mtb17
Fine grain	0,65 x 3,7 m (r)	0,65 x 3,7 m (r)	0,65 x 3,7 m (r)	0,65 x 3,7 m (r)	0,65 x 3,7 m (r)
Middle grain	0,65 x 3,7 m (l)	0,65 x 3,7 m (l)	0,65 x 3,7 m (l)	0,65 x 3,7 m (l)	0,65 x 3,7 m (l)
Over grain	Direct discharge	Direct discharge	Direct discharge	Direct discharge	Direct discharge
Machine	3-mtbl	3-mtbc	3-sb	3-tb	3-tbl
Length (Work / Transport)	15,52 m	13,66 m	16,22 m / 14,72 m	13,66 m	15,52 m
Width (Work / Transport)	5,39 m / 2,55 m	5,39 m / 2,55 m	5,76 m / 2,55 m	5,39 m / 2,55 m	5,39 m / 2,55 m
Height (Work / Transport)	4,0 m	4,0 m	3,8 m / 3,0 m	4,0 m	4,0 m
Weight (approx.)	30 to	30 to	15 to	25 to	30 to
Motor *	168 kW Perkins	168 kW Perkins	168 kW Perkins / electric	168 kW Perkins	168 kW Perkins
Chassis	Hooklift + Tracks	Hooklift + Tracks	Stationary	Tracks	Tracks
Capacity	>200 m <sup>3</sup> /h	>200 m <sup>3</sup> /h	>200 m <sup>3</sup> /h	>200 m <sup>3</sup> /h	>300 m <sup>3</sup> /h
Hopper	3-mtbl	3-mtbc	3-sb	3-tb	3-tbl
Volume	5 m <sup>3</sup>	5 m <sup>3</sup>	5 m <sup>3</sup>	5 m <sup>3</sup>	5 m <sup>3</sup>
Dimensions (l x w x h)	3,9 x 1,2 x 1,0 m	3,9 x 1,2 x 1,0 m	3,9 x 1,2 x 1,0 m	3,9 x 1,2 x 1,0 m	3,9 x 1,2 x 1,0 m
Loading Height	3,35 m	3,35 m	3,35 m	3,35 m	3,35 m
Screening deck	3-mtbl	3-mtbc	3-sb	3-tb	3-tbl
Dimensions (l x w) Deck 1	5,1 x 1,2 m	3,2 x 1,2 m	3,2 x 1,2 m	3,2 x 1,2 m	5,1 x 1,2 m
1. Grain size	>32 mm	>32 mm	>32 mm	>32 mm	>32 mm
Dimensions (l x w) Deck 2	6,7 x 1,2 m	6,7 x 1,2 m	6,7 x 1,2 m	6,7 x 1,2 m	6,7 x 1,2 m
2. Grain size	>6 mm	>6 mm	>6 mm	>6 mm	>6 mm
Conveyor belt	3-mtbl	3-mtbc	3-sb	3-tb	3-tbl
Fine grain	0,65 x 3,7 m (r)	0,65 x 3,7 m (r)	0,65 x 3,7 m (r)	0,65 x 3,7 m (r)	0,65 x 3,7 m (r)
Middle grain	0,65 x 3,7 m (l)	0,65 x 3,7 m (l)	0,65 x 3,7 m (l)	0,65 x 3,7 m (l)	0,65 x 3,7 m (l)
Over grain	Direct discharge	Direct discharge	Direct discharge	Direct discharge	Direct discharge

\* Alternatively available with electric or electric-hydraulic drive



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