

# HIGH CAPACITY SCREENING



## EDGE SCREENPRO SERIES S18 / S16 MODELS

# **HIGH CAPACITY** **SCREENING**





**HIGH CAPACITY  
SCREENING**

**INCREASED SCREENING  
VERSATILITY**

**HIGHLY  
CUSTOMISABLE**

**EASILY  
TRANSPORTED**



**KEY  
FACTS**

S18  
S16

**WEIGHT**  
43 / 48.1  
35.8 / 39.4  
(T/UST)

**POWER**  
129 / 173  
100 / 134  
(kW/HP)

**SCREEN SIZE**  
5.4X1.75 / 18'X6'  
4.9X1.5 / 16'X5'  
(m/ft)

# SCREENPRO SERIES

## FEATURES & BENEFITS



The EDGE SCREENPRO Series delivers high-performance scalping screens designed for precision screening and maximum efficiency across multiple applications. With two versatile models: the SCREENPRO S18 and SCREENPRO S16, this heavy-duty range is built to increase productivity, reduce downtime, and improve separation efficiency.

Designed to handle the toughest materials, the SCREENPRO Series features an aggressive two-deck screen for high-capacity processing of aggregates, construction waste, sand and gravel, soils, and organic matter. The SCREENPRO S18 adds even more flexibility with interchangeable flip flow and scalper screen options, making it ideal for wet, sticky, and challenging materials.

With a large screening area and aggressive throw, the SCREENPRO Series ensures maximum material separation and throughput. Multiple screen media options provide adaptable configurations to meet the demands of different applications. A heavy-duty feeder and adjustable screen angle allow for consistent material flow and precise control over product specifications. Both models offer flexible deployment, operating as standalone units or integrating seamlessly before or after a primary crusher.





## KEY HIGHLIGHTS

- The S18 features an 18' x 6' (5.4m x 1.75m) screen with interchangeable flip flow and scalper screenbox; ideal for demanding materials.
- The S16 with a 16' x 5' (4.8m x 1.5m) screen, excels in primary and secondary screening applications.
- Intelligent modular top deck system allowing numerous media types to be installed side by side.
- High capacity feeder with intelligent load management regulates the flow of material to the screen box.
- User friendly control system with a one-touch sequential start / stop facility.
- Compatible for 2-way or 3-way split configurations.
- Flexible screen angle adjustment to suit various applications.
- Reversible side conveyors allow operators to easily switch discharge positions.

# SCREENPRO SERIES

## DESIGN FEATURES

Large hopper capacity complete with a heavy duty feeder controlled via EDGE's intelligent load management system

Aggressive two deck screenbox with large customisation and angle adjustment available

Hydraulic folding hopper extensions and spilt rear door for loading on all three sides

Intelligent modular top deck system allowing numerous media types to be installed side by side

Industry leading belt width with a discharge height of up to 4.2m (14')

User friendly control system with a one-touch sequential start / stop facility for easy operation

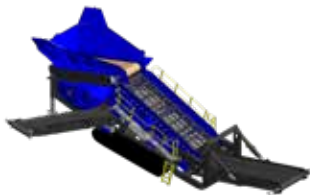
Large Hydraulic adjustable screen angle

Two speed, remote controlled tracks for easy on site mobility



Enables for one man operation with all main functions controlled via wireless remote

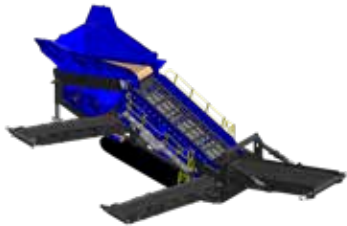
Hydraulic screen jack up functionality provides excellent access to bottom deck screen media



2 Way Spilt Mode



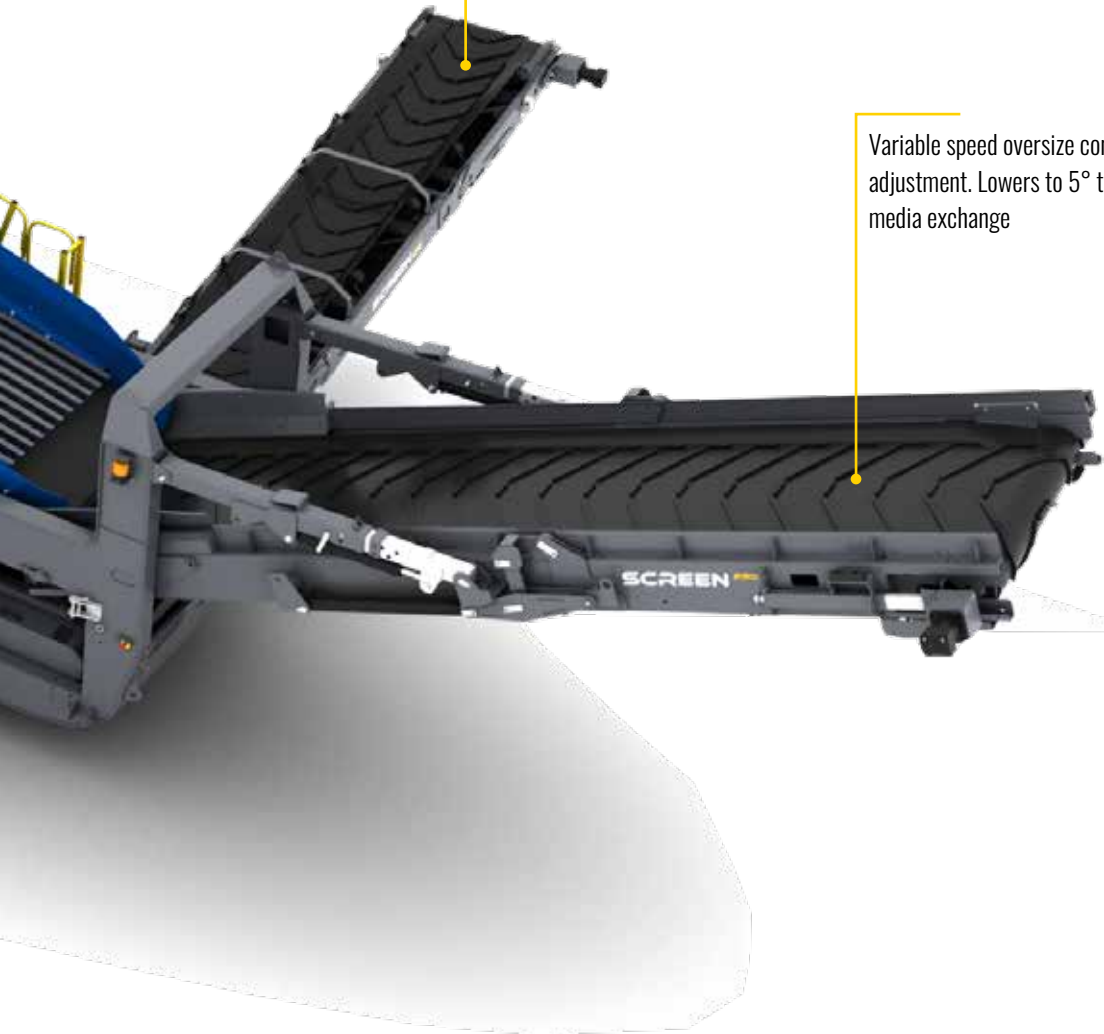
3 Way Standard Mode



3 way spilt - Reverse Side Conveyor Mode

Mid-size conveyor provides a maximum discharge height of up to 3.9m (13')

Variable speed oversize conveyor with hydraulic angle adjustment. Lowers to 5° to facilitate screen media exchange



# SCREENPRO SERIES

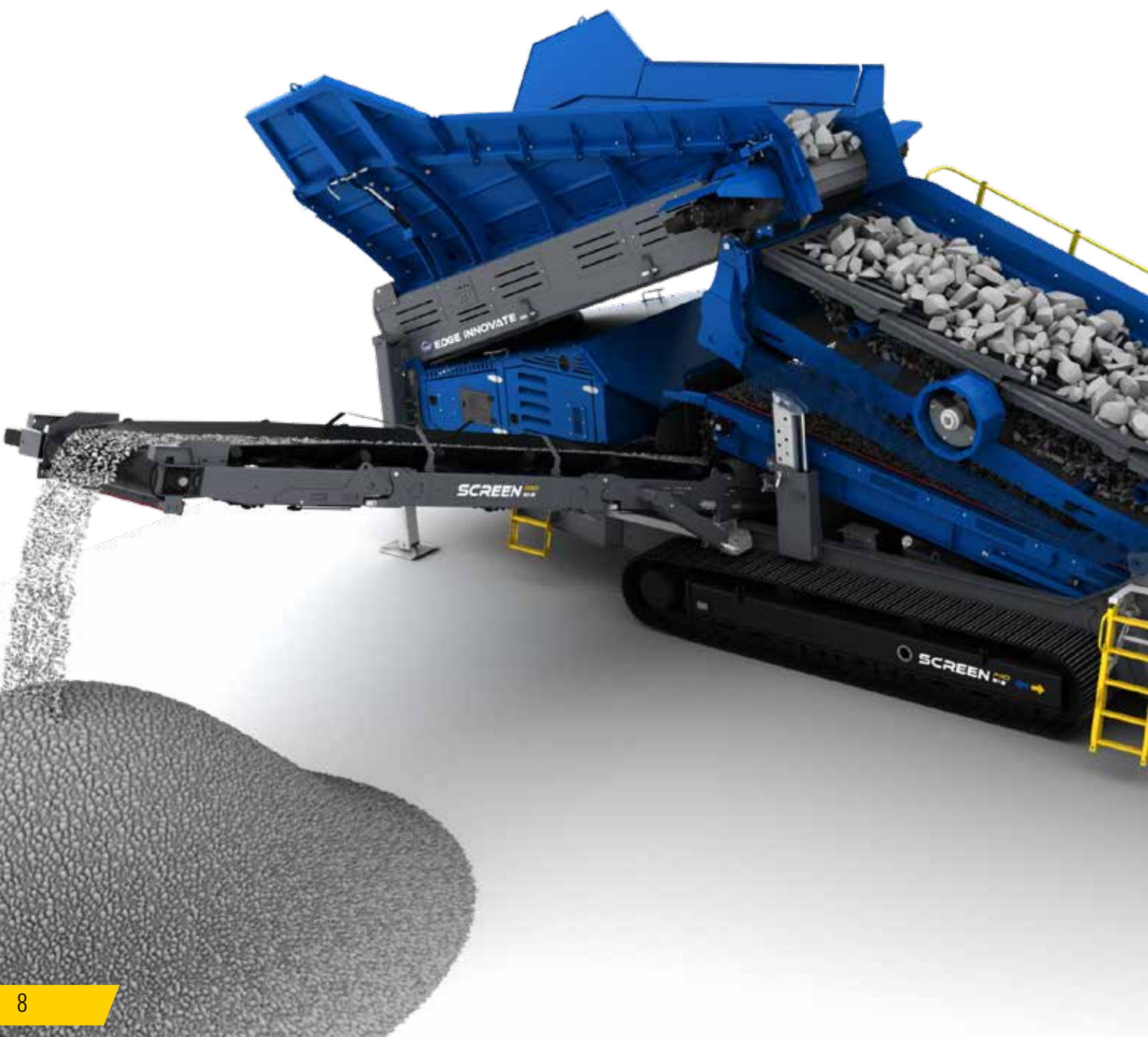
## MATERIAL FLOW

Designed to allow for a consistent material flow, the SCREENPRO Series offers enhanced energy efficiency, reduced wear, high throughput and optimised material separation.

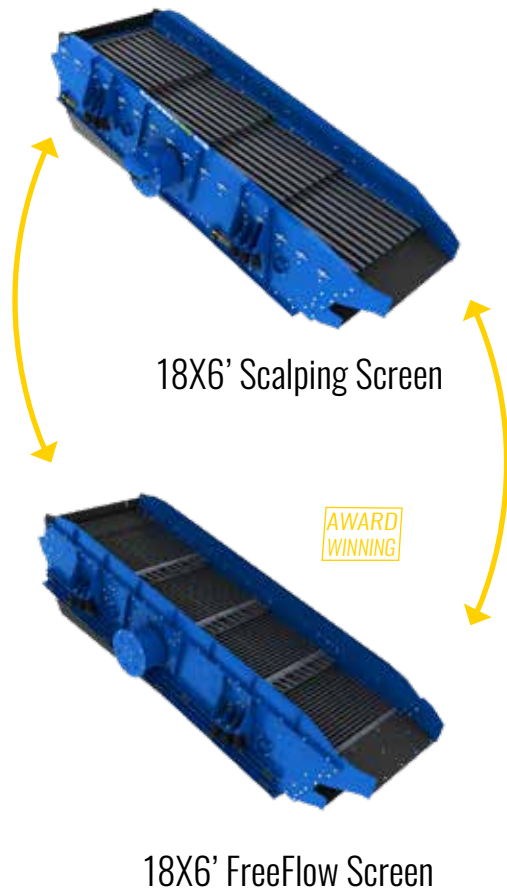
The EDGE S18 and S16 offer the largest hopper capacities in their class, encompassing a variable speed feeder with forward and reverse functionality. A large feed opening ensures optimum flow of material to the scalping screen whilst EDGE's intelligent load management system regulates material feed resulting in superior uptime by eliminating material overload and ensures optimum screening

production at any given time. This is crucial for applications where continuous operation is essential, as interruptions can result in production delays and increased costs.

Discharge belts with widths of up to 1600mm (63") and variable belt speeds aid in the smooth flow of material reducing the risk of material surges, bottlenecks or unnecessary downtime. With hydraulic variable working discharge heights the SCREENPRO Series can be utilised as a stand-alone unit or if needed, placed before or after a primary crusher.



## THE RIGHT SCREEN FOR EVERY APPLICATION



Transform even the toughest feed material into profit with the EDGE SCREENPRO S18 heavy duty, tracked scalping screen. Thanks to the dynamic design the EDGE SCREENPRO S18 features interchangeable screens with operators having the ability to interchange between EDGE Innovate's award winning flip flow and conventional scalper screens, providing unprecedented flexibility. *(ONLY AVAILABLE WITH THE S18)*

This flexibility combined with numerous screen media options and configurations allows the EDGE SCREENPRO S18 to process a wide range of materials and to tackle screening applications that other conventional screens cannot, such as incinerator slag or wet, damp and sticky material.



# SCREENPRO SERIES

## TECHNICAL SPECIFICATIONS

### TRANSPORT DIMENSIONS

	S18	S16
Length:	16850mm (55' 4")	16275mm (53' 5")
Width:	3000mm (9' 11")	3000mm (9' 11")
Height:	3500mm (11' 5")	3400mm (11' 2")
Shipping Method:	RoRo	RoRo
*Gross Weight:	43,000KG (48.1UST)	35,800kg (39.4UST)

### FEED HOPPER DATA

Hopper Capacity:	12.5m <sup>3</sup> (16.3yd <sup>3</sup> ) with extensions	11m <sup>3</sup> (14.3yd <sup>3</sup> ) with extensions
Minimum Feed In Height:	3100mm (10' 3")	3046mm (10')
Hopper Extensions:	Hydraulic Folding	Hydraulic Folding
Feed Conveyor Belt Width:	1400mm (55")	1300mm (51")

### SCREEN BOX DATA

Screen Size:	5.4X1.75m (18'X6')	4.9m x 1.5m (16x5')
Screen Box Type:	Scalping Screen / FreeFlow Screen	Scalping Screen
Top Deck:	4 off modular cassettes, side tension / bolted	4 off modular cassettes, side tension / bolted
Bottom Deck:	3 off Fixed End Tension Screen Media	3 off Fixed End Tension Screen Media
Screen Angle:	12° - 18°	14° - 20°

### OVERSIZE CONVEYOR DATA

Belt Width:	1600mm (62")	1400mm (55")
Belt Speed:	Variable	Variable
Max. Discharge Height:	4200mm (13' 10") @ 25°	4129mm (13' 7") @ 24°

### MID-SIZE CONVEYOR DATA

Belt Width:	1050mm (42")	900mm (36")
Belt Speed:	Variable	Variable
Max. Discharge Height:	3600mm (11' 11") @ 26°	3950mm (13') @ 28°

### FINES CONVEYOR DATA

Belt Width:	1050mm (42")	900mm (36")
Belt Speed:	Variable	Variable
Max. Discharge Height:	4100mm (13' 6") @ 28°	4269mm (14') @ 28°

### POWERUNIT DATA

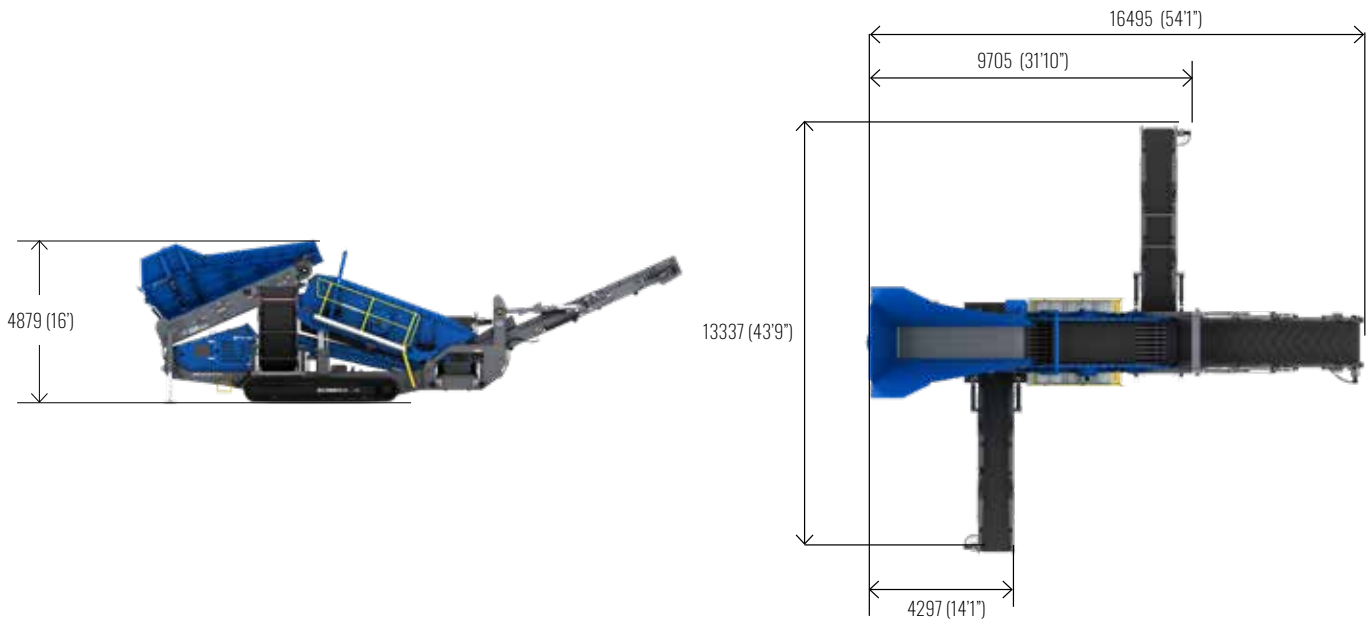
Tier 4 Final / STAGE V:	CAT 4.4 110Kw (148hp)	CAT 3.6 100kW (134hp)
LRC:	CAT 4.4 129Kw (173hp)	CAT 4.4 96kW (129hp)
Fuel Tank Capacity:	450 Litres (119USG)	375 Litres (99USG)

### AVAILABLE OPTIONS

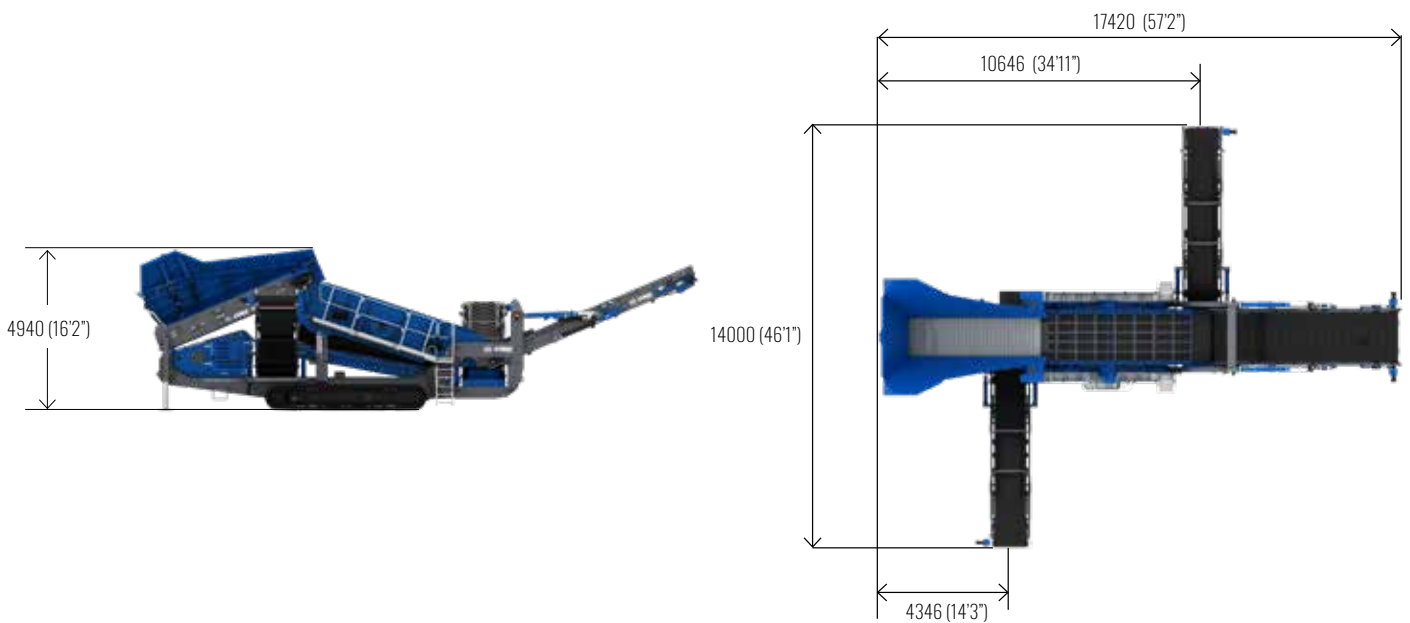
LRC Diesel / Hydraulic	Scalper Screenbox	Belt Feeder	Dust Suppression
STAGE V Diesel / Hydraulic	FreeFlow Screenbox (S18 ONLY)	Organics Turning Auger (S18 ONLY)	Chassis Riser
Electric Hybrid	Various Screen media options	Telematics	Emergency Pull Cords
	Apron Feeder	Overband Magnet	

\*Gross weight depending on options selected.

### SCREENPRO S16 OPERATIONAL DIMENSIONS



### SCREENPRO S18 OPERATIONAL DIMENSIONS

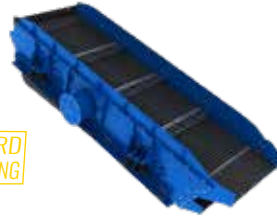


# AVAILABLE OPTIONS

## SCREEN BOX OPTIONS



**Scalping Screen** - perfect screening solution for large quarrying, mining or recycling applications.



\*S18  
ONLY

AWARD  
WINNING

**FreeFlow Screen** - robust Scalping top deck, fine screening of difficult material via flip flow bottom deck.



**Apron Feeder** - for heavier, coarse feed material.



**Hydraulic Chassis Jack Legs** - supports the feeding of heavier, coarse feeds.



\*S18  
ONLY

**Organics Turner** - perfect for the turning, blending and processing of organic materials.



**Magnetic Head Drum / Overband Magnets** - enables ferrous metal recovery.



**Screen Blanket** - enhance screening efficiency and performance.



**Hydraulic Hopper Extensions** - increased hopper capacity and loading target area.

## ADDITIONAL OPTIONS



**Dust Suppression** - dramatically reduce dust development.



**Telematics** - enhance efficiency, safety, and maintenance with real-time data.

## POWER SOURCE CONFIGURATIONS



**T4F / STAGE V- CATERPILLAR engine** (LRC option also available)

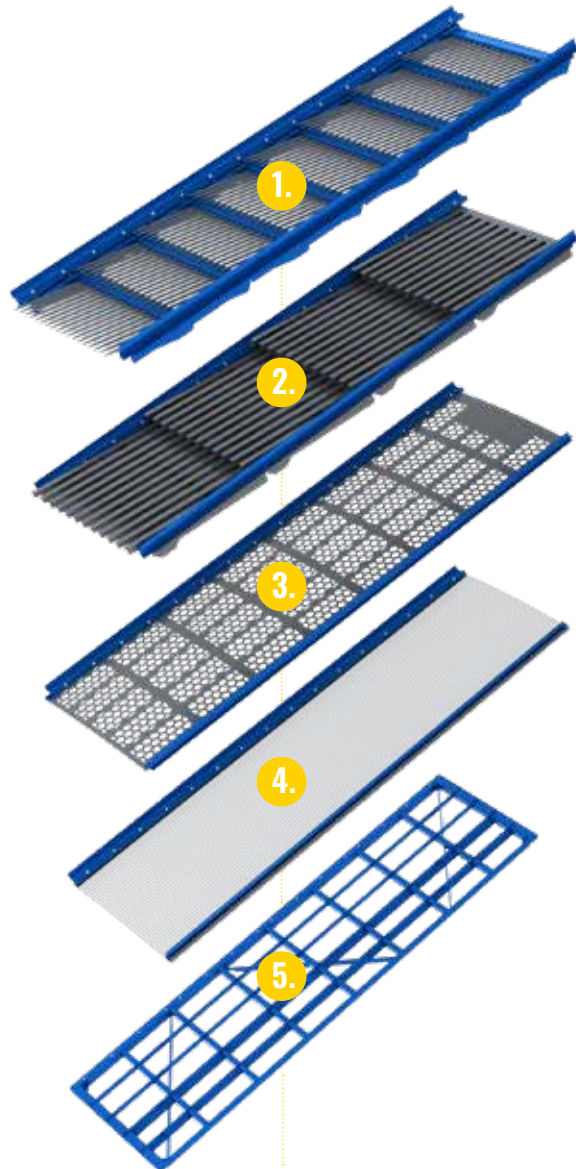


**Dual Power** - provides the ultimate flexibility of running off either direct electric or diesel engine powersources.

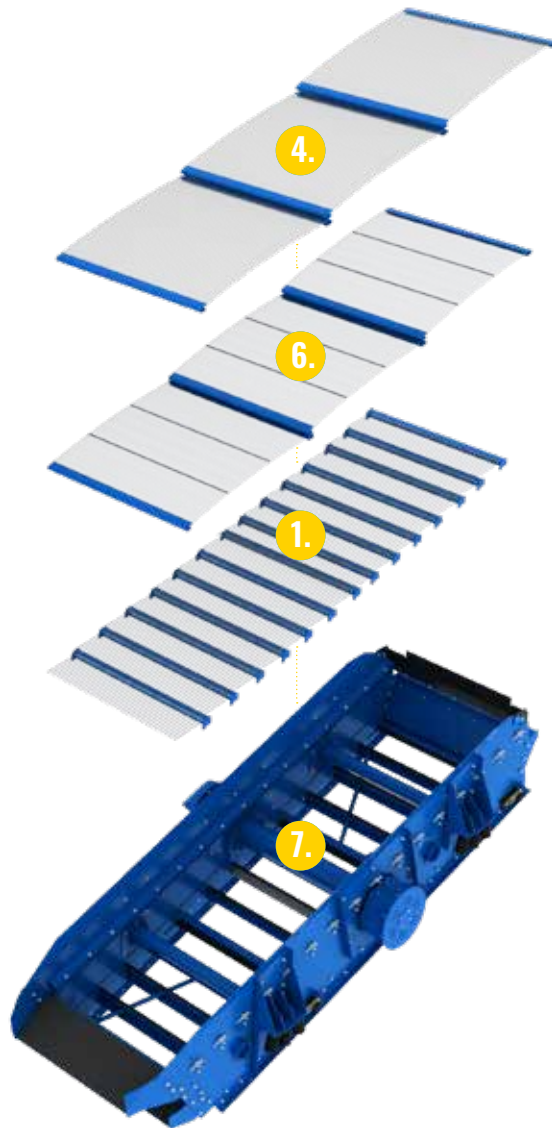


**Electric Hybrid** - All the advantages of a diesel driven unit in an electric hybrid format.

## Top Deck Media Options



## Bottom Deck Media Options



1. FINGER SCREEN  
2. BOFOR / GRIZZLY DECK

3. PUNCH PLATE  
4. WIRE MESH

5. SCREEN FRAME  
6. SPEED HARP

7. DOUBLE DECK SCREEN

Different materials and applications require different types of screen media. EDGE Innovate's SCREENPRO Series offers a range of screen media options for the upper and lower decks, allowing operators to customise their screen to meet their specific needs. Versatility is crucial when dealing with diverse materials like aggregate, gravel, construction waste and more.

Each application has unique characteristics that influence the choice of screen media. Selecting the correct screen media type and combination is critical to ensure optimum screening performance and production capacity.



**GO ELECTRIC!**

Enjoy significantly reduced operating costs, reduced servicing and time taken to refuel. Perfect for markets where environmental, legislative or noise constraints are enforced.



**SCREENPRO<sup>E</sup>**



**ELECTRIC DRIVE WITH MOBILITY**

All the advantages of a diesel driven screener in an electric hybrid format.



**POWER**

Offers the same production capacity and screening performance of a diesel / hydraulic driven unit.



**PLUG AND SCREEN**

Features a quick plug and go set up functionality for safe and simple operation.



**REDUCED OPERATING COSTS**

Electric-powered equipment can significantly reduce operating costs.



**INCREASED UPTIME**

With reduced servicing and time required for refuelling, electric powered units provide unbeatable dependability and uptime.



**FLEXIBLE SET UP**

All set up functions available in both electric or diesel / hydraulic mode.

**TRIED, TESTED & TRUSTED THROUGHOUT THE GLOBE**

With our ethos of “*Innovation at Work*” EDGE not only persist in pushing the boundaries of design and manufacturing to produce hard working, quality machinery, we also bring that same ethos to our aftersales service in order to bring real benefits to customers right across the world.

At EDGE we like to see the sales transaction as the start of a long-term partnership. Our goal is to offer the best customer support in the market for the lifetime of the unit. EDGE has reinvested and expanded our aftersales department in order to streamline and provide the customer support we believe our customers deserve.



**TECHNICAL  
ASSISTANCE**



**PARTS  
AVAILABILITY**



**DELIVERY**



**WARRANTY**





**CONTACT US  
TODAY.**



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