



# SMART. EFFICIENT. SCREENING

**MODELS** 516 / 620R / 622 / 831

## EDGE TROMMEL RANGE PROVEN PERFORMANCE



With over 30 years experience in designing and manufacturing industrial leading equipment, EDGE Innovate's portable trommels screens have been proven worldwide. In fact; EDGE Innovate trommels can be seen working in over 25 different countries in the most extreme of climates.

EDGE Innovate's range of trommels screens combine high production rates with ease of use in a robust, portable and versatile screening plant that are ideal for processing a multitude of materials including top soil, household waste, composting and is proven in construction and demolition waste.

Our range of trommels offer a host of impressive design features as standard including, a 180° Radial fines discharge conveyor, a unique load sensing management system, eco-power saving functionality and a user friendly HMI control panel enabling easy adjustment to suit varying applications.

With a large range of trommel models, chassis formats and power source configurations to select from; EDGE Innovate has the right trommel screen to suit your operation.





## RANGE HIGHLIGHTS

- Large range of different trommel sizes to match your production requirements and budget.
- Highly efficient hydraulic drive system with Intelligent load management to ensure optimum production.
- HMI Control Panel provides easy fine tuning for accurate application performance.
- 180° Radial Conveyor as standard creates impressive stockpile volumes.
- Innovative feeder design allows for easy drum removal and screen media exchange.

# EDGE TROMMEL RANGE

## DESIGN FEATURES

### 1. 180° RADIAL FINES CONVEYOR

Create impressive stockpiles and reduce your double handling of material by up to 75% thanks to EDGE Innovate's remote controlled 180° radial fines conveyor. A standard feature found right across our trommel range.

### 2. MAINTENANCE

Design with serviceability in mind, our range of trommel screens offer greater access to the power unit assembly via large canopy doors and our hydraulic raising chassis feature which provides additional ground clearance.

### 3. FEED HOPPER

Offering low feed in heights and large hopper capacities, EDGE's Innovate trommels encompass a variable speed feed conveyor with forward / reverse functionality. A large hopper opening ensures optimum flow of material whilst EDGE's intelligent load management system ensures optimum production at any given time.

### 4. SCREENING

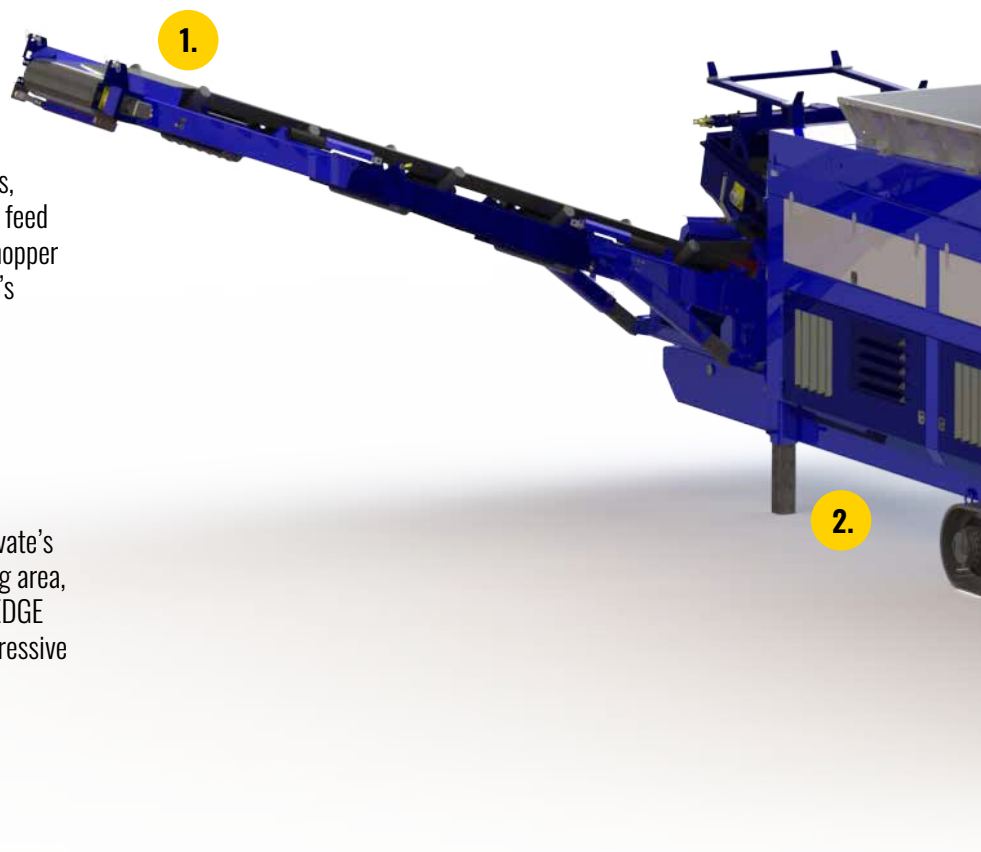
Enjoy enhanced screening results thanks to EDGE Innovate's aggressive material throwing action, superior screening area, variable drum speed and adjustable screening angle. EDGE Innovate's trommel screens are amongst the most aggressive screening trommels on the market.

### 5. DISCHARGE CONVEYORS

Quick and simple deployment is achievable thanks to hydraulic folding discharge conveyors. Additional material separation can be achieved via optional vacuum fans, overband magnet and magnetic head pulley drums.

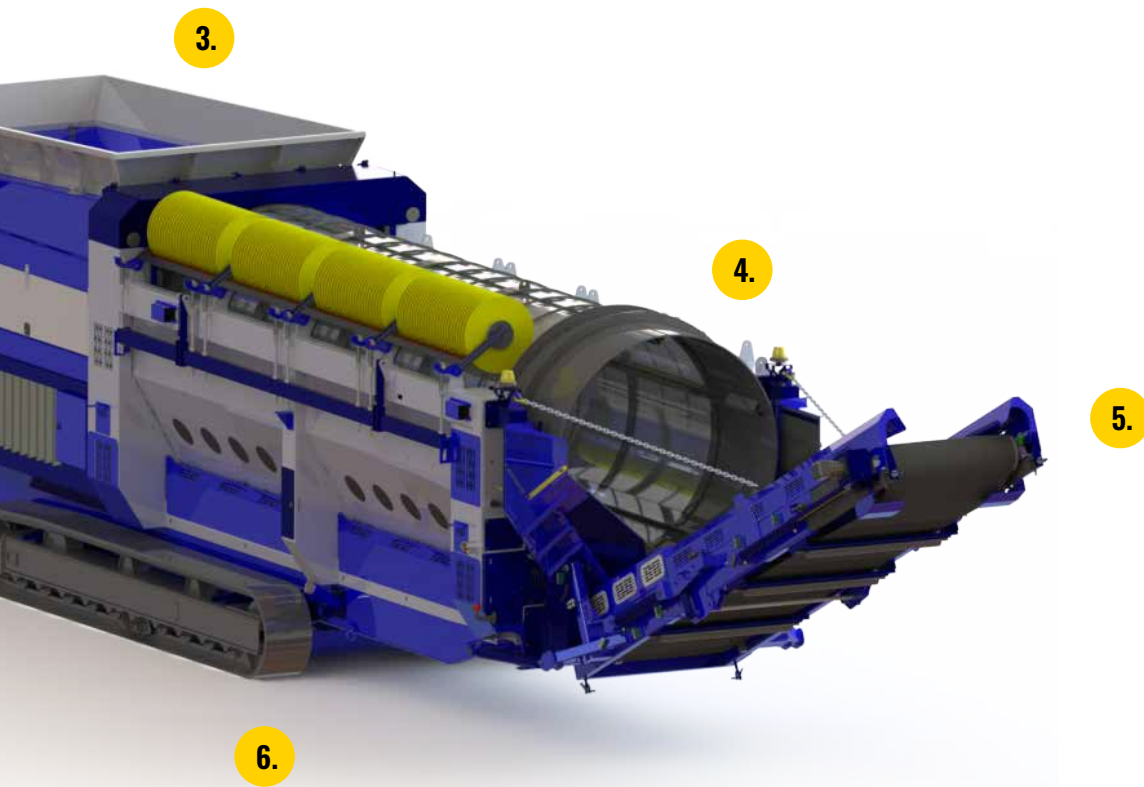
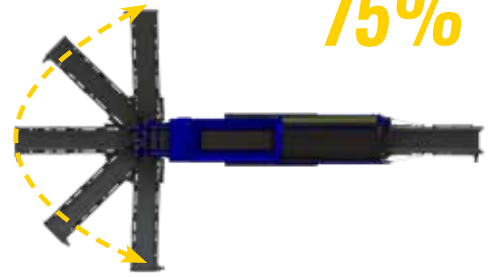
### 6. FORMAT OPTIONS

Choose the chassis format that meets your operational requirements. Depending on the model; EDGE's trommels are available in wheel or track mounted formats.



**RADIAL CONVEYOR REDUCES  
MATERIAL HANDLING BY UP TO**

**75%**



## APPLICATIONS

C&D WASTE



MSW



COMPOST



MULCH



WOOD CHIP

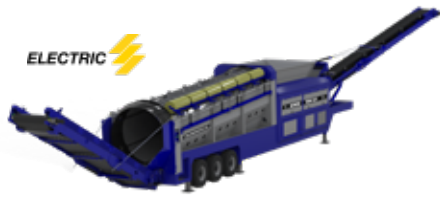


TOP SOIL



# EDGE TROMMEL RANGE

## AVAILABLE MODELS



**TRM831**

**DRUM DIMENSIONS:** 2.3m X 9.3m (8' X 31')  
**HOPPER CAPACITY:** 12m<sup>3</sup> (15.7yds<sup>3</sup>)  
**SCREENING ANGLE:** 4-7°  
**POWER SOURCE:** Diesel - Hydraulic /  
 Electric - Hydraulic



**TRT622**

**DRUM DIMENSIONS:** 2m X 6.9m (6'9" X 22'6")  
**HOPPER CAPACITY:** 8.5m<sup>3</sup> (12yds<sup>3</sup>)  
**SCREENING ANGLE:** 0-5°  
**POWER SOURCE:** Diesel - Hydraulic



**TRM622**

**DRUM DIMENSIONS:** 2m X 6.9m (6'9" X 22'6")  
**HOPPER CAPACITY:** 7.5m<sup>3</sup> (9.8yds<sup>3</sup>)  
**SCREENING ANGLE:** 3-7°  
**POWER SOURCE:** Diesel - Hydraulic /  
 Electric - Hydraulic



**TRT620**

**DRUM DIMENSIONS:** 2m X 5.5m (6'9" X 18')  
**HOPPER CAPACITY:** 8m<sup>3</sup> (10.4yds<sup>3</sup>)  
**SCREENING ANGLE:** 0-5°  
**POWER SOURCE :** Diesel - Hydraulic /  
 Electric Hybrid



**TRM516**

**DRUM DIMENSIONS:** 1.54m X 4.9m (5'X16')  
**HOPPER CAPACITY:** 5m<sup>3</sup> (6.5yds<sup>3</sup>)  
**SCREENING ANGLE:** 3-7°  
**POWER SOURCE:** Diesel - Hydraulic /  
 Electric - Hydraulic



**TRT516**

**DRUM DIMENSIONS:** 1.54m X 4.9m (5'X16')  
**HOPPER CAPACITY:** 5m<sup>3</sup> (6.5yds<sup>3</sup>)  
**SCREENING ANGLE:** 3-5°  
**POWER SOURCE:** Diesel - Hydraulic



“The radial fines conveyor feature on the TRT622 is fantastic. It means that we do not need to purchase additional stacking equipment and reduces our need for additional supporting equipment such as wheel loaders. Effectively it has saved us in additional procurement costs and has allowed us to reduce our production cost per tonne.”

Martin Tower, Group Operatives Manager, Phoenix Power

# EDGE TROMMEL RANGE

## TECHNICAL SPECIFICATIONS

### TRANSPORT DIMENSIONS

	TRM516	TRT516	TRT620R
Length:	15.5m (51')	15.5m (51')	14.9m (49'1")
Width:	2.3m (7'7")	2.6m (8'7")	2.8m (9'10")
Height:	4m (13'1")	3.48m (11'5")	3.4m (11'2")
Shipping Method:	RoRo	RoRo	RoRo
Gross Weight (Est):	18500KG / 20.3UST	26000KG / 28.6UST	30000KG / 33UST

### CONVEYOR DATA

Hopper Capacity:	5m <sup>3</sup> (6.5yds <sup>3</sup> )	5m <sup>3</sup> (6.5yds <sup>3</sup> )	8m <sup>3</sup> (10.4yds <sup>3</sup> )
Minimum Feed In Height:	3.1m (10'2")	2.7m (8'11")	3m (9'10")
Collection Conv. Belt Width:	1.2m (48")	1.2m (48")	1.2 (48")
Fines Conv. Discharge Height:	5.7m (18'11")	5.3m (17'6")	1.5m (59")
Fines Conv. Stockpile Volume:	1310m <sup>3</sup> (1714yds <sup>3</sup> )	1118m <sup>3</sup> (1462yds <sup>3</sup> )	3.7m (12'2")
Oversize Conv. Discharge Height:	3.5m (11'4")	3.3m (10'11")	675m <sup>3</sup> (882yds <sup>3</sup> )
Oversize Conv. Stockpile Volume:	79m <sup>3</sup> (103yds <sup>3</sup> )	60m <sup>3</sup> (78yds <sup>3</sup> )	3.2m (10'6") 80m <sup>3</sup> (105yds <sup>3</sup> )

### DRUM DATA

Drum Length:	4.9m (16')	4.9m (16')	2m (6'9")
Drum Diameter:	1.54m (5')	1.54m (5')	5.5m (18')
Drive System:	Friction Four Wheel Drive	Friction Four Wheel Drive	Direct Drive
Drum RPM:	0-25RPM	0-25RPM	0-23RPM
Screening Angle:	3-7°	3-5°	0-5°

### POWERUNIT DATA

Tier 3 Engine:	CAT4.4 74Kw (100Hp)	CAT4.4 74Kw (100Hp)	CAT3.6 82Kw (110Hp)
STAGE V / Tier 4F:	CAT3.4B 86Kw (115Hp)	CAT3.4B 86Kw (115Hp)	CAT3.6 82Kw (110Hp)



**TRANSPORT DIMENSIONS**

	<b>TRM622</b>	<b>TRT622</b>	<b>TRM831</b>
Length:	18.4m (60'5")	15.9m (33'10")	20940mm (68'8")
Width:	2.8m (9'3")	2.9m (9'5")	3000mm (9'10")
Height:	4.1m (13'6")	3.4m (11'3")	4110mm (13'6")
Shipping Method:	RoRo	RoRo	RoRo
Gross Weight (Est):	32000KG / 35.2UST	36500KG / 40.2UST	37,000KG (40.78UST)

**CONVEYOR DATA**

Hopper Capacity:	7.5m <sup>3</sup> (9.8yds <sup>3</sup> )	8.5m (12yds <sup>3</sup> )	12m <sup>3</sup> (15.7yrd <sup>3</sup> )
Minimum Feed In Height:	3.2m (10'6")	3.7m (12'4")	3270mm (10'9")
Collection Conv. Belt Width:	1.5m (60")	1.5m (60")	1500mm (60")
Fines Conv. Discharge Height:	5m (16'5")	4.9m (16'1")	1500mm (60")
Fines Conv. Stockpile Volume:	1064m <sup>3</sup> (1392yds <sup>3</sup> )	1056m <sup>3</sup> (1381yds <sup>3</sup> )	5990mm (19'8")
Oversize Conv. Discharge Height:	4m (13'2")	3.5m (11'6")	1030m <sup>3</sup> (1347yrd <sup>3</sup> )
Oversize Conv. Stockpile Volume:	95m <sup>3</sup> (124yds <sup>3</sup> )	34m <sup>3</sup> (44yds <sup>3</sup> )	3780mm (12'5")
			100m <sup>3</sup> (130yrd <sup>3</sup> )

**DRUM DATA**

Drum Length:	2m (6'9")	2m (6'9")	9335mm (31')
Drum Diameter:	6.9m (22'6")	6.9m (22'6")	2315mm (8')
Drive System:	Friction Four Wheel Drive	Friction Four Wheel Drive	Friction Four Wheel Drive
Drum RPM:	0-24RPM	0-24RPM	0-25RPM
Screening Angle:	3-7°	0-5°	4-7°

**POWERUNIT DATA**

Tier 3:	CAT4.4 96Kw (127Hp)	CAT4.4 96Kw (127Hp)	CAT C4.4 Acert 140Kw (188HP)
STAGE V / Tier 4F:	CAT3.6 90Kw (120Hp)	CAT3.6 90Kw (120Hp)	CAT C4.4 Acert 140Kw (188HP)

# AVAILABLE OPTIONS

## CHASSIS FORMATS



Tracked Mounted - Fully tracked for on-site manoeuvrability



Wheeled Mounted. Ideal for operators with multiple sites or rental contractors

## POWER-SOURCE CONFIGURATIONS



Tier 4 Final / STAGE V and LRC engine options available

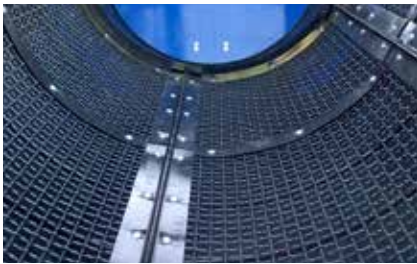


Direct Electric - Only available with a wheel mounted chassis formats

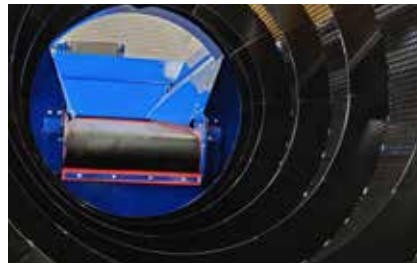


Electric Hybrid - Enjoy the cost savings of electric without sacrificing mobility

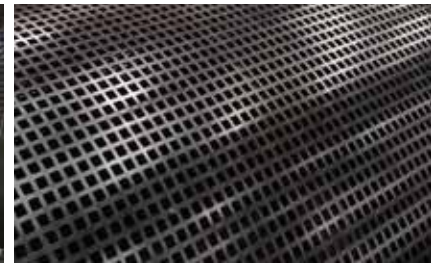
## SCREENING DRUM OPTIONS



Mesh Panels - A large screening area suitable for compost, mulch, topsoil etc.



Spiral Drum - ideal for extending screening time of feed material



Punch Plate - suitable for abrasive materials with rough or large piece sizes

## ADDITIONAL SEPARATION OPTIONS



Twin Deck Vibrating Grid - Available with remote tipping function.



Reject Grid - manual or remote tipping grids available with various bofor bars



Fully Contained Vacuum System - no secondary power source required.



Overband Magnet- fitted to collection conveyor to extract ferrous metal



Drum Knives

Additional customisation is available upon request. Speak to your nearest EDGE distributor for details.

# PRODUCT AND TECHNICAL SUPPORT

## 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



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