

TECHNICAL  
SPECIFICATION



# TTS-620SE

## Static Electric Trommel Screen



Feeding / Conveying / Screening / Shredding / Sorting / Separation

# TTS-620SE

## Static Electric Trommel Screen

Terex Recycling Systems TTS-620SE Static Electric Trommel offers operators unparalleled versatility in applications, production rates and effortless serviceability. Specifically designed for screening compost/organics, biomass, soil, gravel and waste, it stands as an ideal choice for your needs.



The TTS-620SE benefits from an electric head driven feed conveyor to prevent the slippage associated with a tail drive configuration whilst under load. This ensures a consistent material feed onto the screening drum, enhancing screening efficiency and throughput. Due to this, you can enjoy heightened operational efficiency, improved screening quality, and reduced maintenance needs. The controlled material feed minimises wear and tear, extending equipment lifespan, while the user-friendly design adds operator convenience. With increased versatility and optimised performance, the TTS-620SE stands as a reliable solution for your diverse screening needs.

Supplied with a free-standing control panel, the intuitive user interface allows for easy set up and running. Simple controls allow for quick adjustments to the feeder and drum speeds to tailor the trommel screen to suit your application. With the optional advanced control panel with intelligent feed system, the operator can continually adjust the feeder speed to optimise screening rates. Special emphasis has been placed on reducing the change-out time for the screening drum. Large access doors and a retractable feeder cassette ensure the changing of a drum can be done quickly and efficiently ensuring minimal downtime to your operation. The machine has also been designed to accept several other manufacturers screening drums.

Exceptional levels of service access catapults the TTS-620SE into a league of its own. The full-length drum doors on both sides of the trommel drum offer unobstructed access for maintenance and cleaning. These, alongside the feeder side access doors and a slide out feeder cassette, ensure the TTS-620SE provides easy access for operation and routine maintenance.

Due to ever changing market conditions and demands of the modern trommel the machine will be available as a standalone unit or it can be incorporated into an existing plant or part of a new recycling plant. This will allow for easy customisation and adaptation to different applications and environments.

### Feeder/Hopper:

- Electric Head Drum Drive System
- Variable Belt Speed
- Hopper Extensions
- Fully Sealed to Reduce Spillage
- Belt Options Available
- Slide Out Feeder Cassette

### Retractable Brush:

- 700mm (2' 4") brush to help clean the drum during operation
- Easily removable for maintenance and application flexibility

### Drum:

- Horizontal drum with spiral design for material transfer
- Variable drum speed
- Various drum apertures available to suit screen material



### Control Panel:

- Free Standing Control Panel with Easy Operation Controls
- Optional Intelligent Feed Setup

### Access Doors:

- Double Sided Doors for easy maintenance access

### Service Access:

- Full-length drum door opening on both sides, giving access for drum inspection and maintenance
- Easily replaced drum which is compatible with other manufacturers screening drums

### Optional Support Legs:

- Leg structure 2m in length (other heights available on request)

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### Hopper and Belt Feeder:

- 5.5m<sup>3</sup> (7.2yd<sup>3</sup>) capacity
- 1.85m (6') feed-in height (base machine)
- 4m (13' 1") feeder length
- 1200mm (3' 11") 3 ply plain belt, 5 + 1.5 covers
- Electric head drum drive system with compact gearbox solution
- Slide out feeder cassette for maintenance
- Hopper extensions
- Variable belt speed via VSD

### Drum:

- 5.5m (18' 1") Length
- 2.0m (6' 7") Diameter
- Double welded chain and drive sprocket
- Compatible with Ecotec TTS 620 drums
- Horizontal drum
- Spiral design for material transfer
- Easily removable for maintenance and application flexibility
- Full drum clean brush, Ø700mm (2' 4"), 2x3mm bristle, hydraulic folding
- 1 piece drum door opening both sides
- Variable drum speed via VSD

### Basic Control Panel:

- Push button control
- Emergency stop, siren, and beacon control
- Manual Feeder / Trommel Speed control
- No interlocking with external equipment

### Advanced Control Panel:

- PLC Control
- Emergency stop, siren, and beacon control
- Advanced load sensing functionality or Manual Feeder / Trommel Speed Control
- Interlocking with external equipment through Upstream/Downstream & Remote Start Inputs/Outputs

### Transport Dimensions

(Machine only)

Width:	2.76m (9' 1")
Height:	2.66m (8' 9")
Length:	10.05m (32' 12")
Weight:	12000kg Approx. (26456 lbs)

### Working Dimensions

(Machine on 2m leg structure)

Width:	2.76m (9' 1")
Height:	4.66m (15' 3")
Length:	10.05m (32' 12")
Feed height:	3.85m (12' 8")

### Optional extras:

- Leg Structure – 2m (6' 7")  
(other heights available on request)
- Advanced control panel with intelligent feed feature
- Feeder belt - 1200mm (3' 11") 3 ply chevron belt, 5 + 1.5 covers
- Various drum apertures to suit screen material
- Custom colours

All specifications and technical data subject to change without notification  
All options are retrofittable.



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