

# TSD-280

## PRE-SORTING DRUM

Terex Recycling Systems have the ultimate solution for pre-sorting bulky construction and industrial waste with their TSD-280 Pre Sorting Drum Range



**ELECTRIC  
POWERED**

Feeding / Conveying / Screening / Shredding / Sorting / Separation

# TSD-280

## PRE-SORTING DRUM

Our new range of heavy-duty pre-sorting drums can streamline your operation and dramatically reduce your operating costs. The reduction in downtime will lead to increased production output, which can boost the overall profitability of your recycling plant.

Our unique products can handle raw unsorted C&D and C&I waste – no matter the size. This leaves you with material ideal for mechanical or manual sorting whilst removing only the bulky material, which can either be disposed of, sorted or shredded for reintroduction to your process. Your overall sorting process becomes more consistent and efficient, resulting in higher-quality recyclables and reduced contamination.

Incorporating a TSD-280 pre-sorting drum to your recycling plant simplifies the process and reduces your labour costs. It alone efficiently separates large items from your waste stream and eliminates the need for an extra material handler and operator. Saving on labour expenses but also enhancing operational efficiency. With this revolutionary solution, Terex Recycling Systems are making recycling more efficient and sustainable for everyone.

Available either as a standalone pre-sorting line or integrated into existing and new recycling systems.



## TECHNICAL SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Bunker Feeder:</b>      | Width (internal): 1.68 m (5' 6")<br>Width (external): 2.3 m (7' 7")<br>Length: 6 m (19' 8") horizontal, 14 m (45' 11") inclining 25°<br>Height for storage: 0.9 m (2' 11")<br>Feeder speed: 2.7 m/min (at 50 Hz) (> 240 m³ / hour)<br>Chain: FV250 – rolls Ø 60 – welded lips<br>Drive: 4 kW - 400Vac / 50 Hz<br>Greasing system: Automated electrical chain greasing system<br>Support: Included to ground<br>Infeed hopper: Flat/low for use with an excavator or loading shovel.                                                                                                                                                                                                     |
| <b>Drum Screen:</b>        | Screen: 35 Holes Ø 0.53 m (1' 9"), screen length 5 x 1.25 m (4' 1")<br>Screen panels and buckets are exchangeable<br>Material screens: Mild steel 8 mm (0.3"), edges extra armour-welded<br>Screen area: 55 m² (65.8 yd²)<br>Maximum length: 1 m, (For parts to fall through.)<br>Diameter (screen): Ø 2.8 m (9' 2")<br>Diameter (external): Ø 3.8 m (12' 6"), running surface mechanically grinded<br>Complete length: 9.27 m (30' 5")<br>Power: 4 x 11 kW - 400V / 50 Hz, 10-12 rpm, ccw.<br>Running wheels: Polyurethane covered, 8 pieces Ø 500 x 240mm.<br>Support wheel: 1-piece Ø 0.4m (1' 4"), polyurethane covered<br>Weight of drum: 16,000 kg (35,274lb) - without 3D system |
| <b>Oversize Conveyor:</b>  | Width: 2 m (6' 7")<br>Length: app. 5.85 m (19' 2")<br>Drive: SEW KA – 1.5 kW – 32 m/min. – 400 V AC 50Hz<br>Drive pulley: Ø 0.34m (1' 1") with rubber and screwable axles<br>Tail pulley: Ø 0.22m (9"), (convex shaped) and loose/screwable axles<br>Infeed point: Impact bars<br>Rubber belt: 630/4 8+3<br>Scraper: Internal<br>Side plates: Height 0.275 m (11")                                                                                                                                                                                                                                                                                                                      |
| <b>Undersize Conveyor:</b> | Width: 1.4 m (4' 7")<br>Length: 16 m (52' 6")<br>Drive: SEW KA – 4.0 kW – 31 m/min. – 400 V AC 50Hz<br>Drive drum: Ø 0.34 m (1' 1") with rubber and screwable axles<br>Tension drum: Ø 0.22 m (9"), (convex shaped) and loose/screwable axles<br>Infeed: Impact bars<br>Rubber belt: 630/4 8+3<br>Scraper: Internal<br>Seal: Backside and dropping point<br>Side plates: Height 0.275 m (11")                                                                                                                                                                                                                                                                                           |



## CAPACITY

| Length        | Capacity (tph) |
|---------------|----------------|
| 6m (19' 8")   | up to 45tph    |
| 7.5m (24' 7") | up to 60 tph   |
| 9m (29' 6")   | up to 90tph    |