INTRODUCING THE

Trommel 830
FEATURES

- Total weight: 33,000kgs (36.3 US tons)
- Height (Transport): 4.000m (13'1")
- Length (Transport): 16.203m (53' 2")
- Width (Transport): 3.334m (10' 11")
- Height (Working): 4.865m (15'11")
- Length (Working): 17.250m (56'7")
- Width (Working): 7.082m (23'3")
- Hopper capacity: 9.0 m$^3$ (12.0 yds$^3$)
- Screen Drum: 2.483m x 9.170m (8' x 30')
- Powerunit: Deutz BF6L913 100 kW (135 Hp)

ADVANTAGES

- High Capacity Screen - Depending on Mesh Size and Material Type
- Rotating Screen - Area of approx. 51m$^2$ (550 ft$^2$)
- Quick set-up time - typically 15 minutes
- Conveniently Located Control Panel Gives Finger Tip Management of all Machine Functions and On Board Diagnostic Controls provide Engine Protection.
- Variable Speed Control on Trommel Drum for Maximum Efficiency
- Heavy Duty Feed Hopper
- Hydraulic Oil Cooler to Maintain Low Hydraulic Oil Temperature
- Compatible with Powerscreen Range
- Complete CE Specification
- Hydraulic Jacking Legs - Assist rapid set-up time.
- Load Sensing System to Control Feed of Material into the Trommel Drum
- Coupling facility for stockpiling conveyors.
- Combustion Air Pre Cleaner

APPLICATIONS

- Wood Chippings
- Topsoil
- Demolition Waste
- Compost
- Recycling
- Coal
- Sand and Gravel

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All specifications subject to change without prior notice.
Hopper:
1500mm (60”) wide continuous conveyor belt, which is driven by a hydraulic motor with a variable speed adjustment to determine the feed rate.

Screen Drum:
A 2.483m x 9.17m (8’ x 30’) screen drum, generating a screen area of approximately 51m² (550ft²) is equipped with a variable speed control. The 30 no.1, 380mm x 1,265mm (4’6” x 4’2”) meshes are cleansed by nylon brushes, adjustable to ensure efficient cleaning of the meshes. The tumbling action of the drum breaks any dirt or loose particles from the material thus ensuring a much cleaner and solid oversize.

Collection Conveyor:
1500 (60”) wide continuous conveyor belt, that carries the fines material from under the screen and feeds it evenly onto the side conveyor.

Side Conveyor:
1050 (42”) wide continuous conveyor belt, that transfers the fines material to a coupled stockpiler or to a stockpile. Impact rollers are in place at the feedboot end of the conveyor. The side conveyor can be mounted on either side of the chassis, to facilitate customer’s requests or site restrictions, and can be hydraulically folded for transport.

Tail Conveyor (optional):
1200mm (48”) wide continuous chevron conveyor belt. This conveyor which is fully skirted to prevent spillage, discharges the oversize material from the Trommel drum to a stockpile at a maximum height of 3.019m (9’10”). The impact rollers in the feedboot section of the conveyor are replaced by impact bars. This conveyor also has variable speed adjustment, and can be hydraulically folded for transport.

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Powerunit and Hydraulics:

- Diesel engine: Deutz BF6L 913 (100KW – 135HP)
- Fuel consumption: 28.7 Lts/Hr (6.31 Gals/Hr)
- Pumps:
  - 1PL072AKLFBN
  - 2PL1202PL105ATDFFBN
  - 3PL2502PL090CPDSFBN
- Feeder motor: OMT315
- Feeder Gearbox: TA 60
- Trommel drum motor: OMV800
- Collection conveyor motor: OMV 630
- Side conveyor motor: OMT 500
- Tail conveyor motor: OMV 630
- Hydraulic tank capacity: 961 Lts. (212 gals)
- Diesel tank capacity: 318 Lts (70 Gals)

Road Transport:

- Wheels: 385/65 R22.5 dual wheels
- Axle: Approved braking axle (GLD manufacture)
- Suspension: Leaf spring
- Brakes: Air brakes

OPTIONS

- Electric \ Hydraulic Powerunit.
- Three way split machine.
- Finger or bofor bar remote control tipping reject grid.
- ABS Braking System
- Machine Lighting.
- Range of meshes - to meet the specific production requirement
- Dust Canopy
- Sound Suppressed Powerunit
- Feeder impact bars.
- Vibrating feeder bed.
- Free standing overband magnet.
- Rubber discharge lip on drum.
- Tail conveyor.
- Dual brush cleaning system
- Cyclone pre-cleaner (cooling air)
- T.U.V. specification.

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TROMMEL 830 3-WAY SPLIT

Screen Drum:
The Trommel 830 three way Split Machine is fitted with two different size screen meshes so as it can produce three different grades of material.

Front Collection Conveyor (SCREENED UNDERSIZE):
This collection conveyor carries the undersize material from underneath the first section of the Trommel Drum and deposits it on to the screened undersize side conveyor.

Rear Collection Conveyor (SCREENED OVERSIZE):
This collection conveyor carries the oversize material from the rear section of the Trommel Drum and deposits it on the rear side conveyor.

Standard Side Conveyor (SCREENED UNDERSIZE):
1050 (42") wide continuous conveyor belt, that transfers the fines material to a coupled stockpiler or to a stockpile. Impact rollers are in place at the feedboot end of the conveyor. The side conveyor can be mounted on either side of the chassis, to facilitate customer's requests or site restrictions, and can be hydraulically folded for transport.

Rear Side Conveyor (SCREENED OVERSIZE):
This side conveyor belt is 650mm (26") wide, it transfers the screened oversize material to a coupled stockpiler or to a stockpile. This conveyor can also be mounted on either side of the machine to facilitate customers requests, and can be hydraulically folded for transport.

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