



Powerscreen Ltd.  
Lower Main St., Kilbeggan,  
Co. Westmeath  
Tel: 00 353 506 32178  
Fax: 00 353 506 32443  
Email: mail@powerscreen.ie

# *INTRODUCING THE*

# *Trommel 830*



All specifications subject to change without prior notice.



## Trommel 830 Technical Specification



### 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 <sup>3</sup> (12.0 yds <sup>3</sup> )
• 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<sup>2</sup>(550 ft<sup>2</sup>)
- 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

UNLIMITED SOLUTIONS FOR LIMITED RESOURCES



## *Trommel 830*

### *Technical Specification*



#### ***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 51m<sup>2</sup> (550ft<sup>2</sup>) 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.



## *Trommel 830*

### *Technical Specification*



#### ***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.



## *Trommel 830 Technical Specification*



### ***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):***

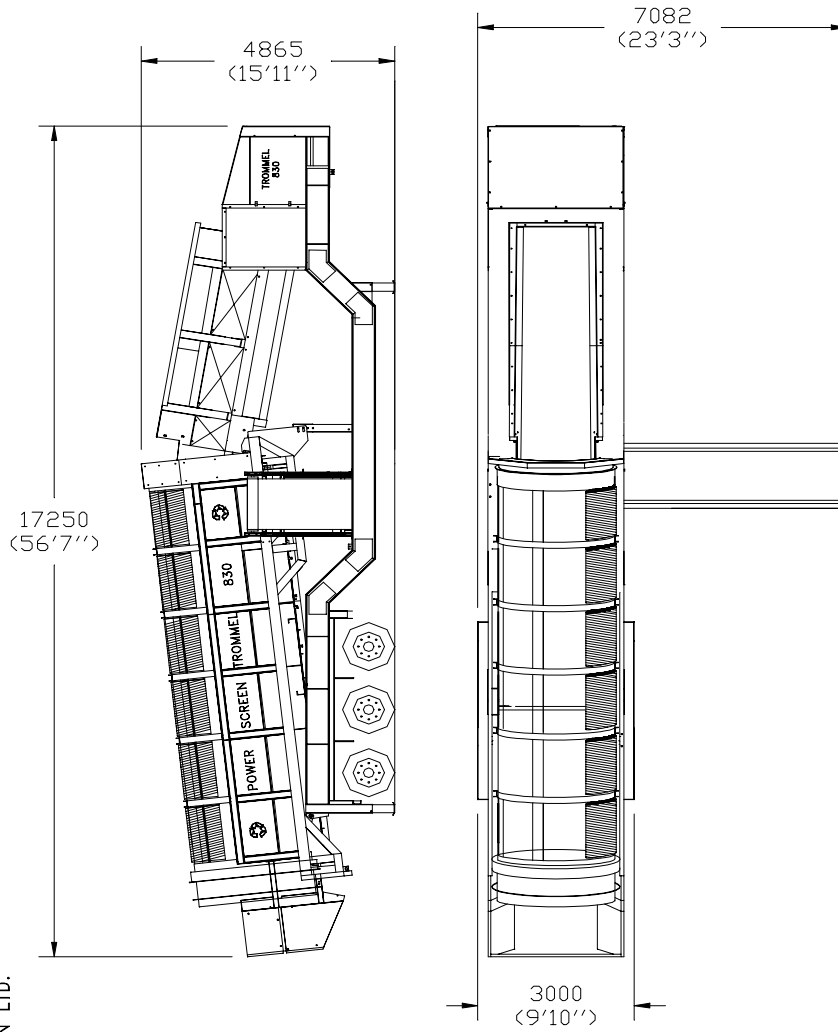
This side conveyor belt is 650mm (26") wide, it transfers the screened oversize material to a coupled stockpiler or to a stockpile. This conveyor can also be mounted on either side of the machine to facilitate customers requests, and can be hydraulically folded for transport.




# Trommel 830 Technical Specification



TROMMEL 830 WITH  
FOLDING SIDE CONVEYOR  
& DUAL WHEELS  
IN WORKING POSITION



PROPOSED LAYOUT  
PRODUCED BY  
POWERSCREEN LTD.

SCALE	DRAWN	DATE	CHECKED	DATE	DO NOT SCALE DRAWING
N.T.S.	P.H.	10/3/99			ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED
DRAWING NO. AND LOCATION		PROPOSED LAYOUT BY POWERSCREEN LTD.		KILBEGGAN CL. WESTMATH. EIRE. TEL: (0536) 32443 FAX: (0536) 32443	
H:\ADATA\SALES\830 SALES STANDARDS				 A Terex Company	



# Trommel 830 Technical Specification

