

Morbark Model PT837

Portable Trommel Screen

Product Information



As the **world's largest portable trommel screen**, the Morbark Model PT837 packs not only the size, but the horsepower, hydraulic muscle, torque and innovative design features required to tackle the most demanding applications. The PT837 is built **critically heavy in strategic areas**, from the main frame rails and tube to the hydraulic system—all are designed to carry tremendous loads without wavering. Material flows from the 12 yard

hopper straight through an **unrestricted feed opening** to the largest trommel in the industry, which efficiently processes even bulky, hard-to-handle debris with ease. The 1/2 inch thick drum is supported by eight (8) heavy duty 8" diameter x 6 1/2" wide steel wheels, creating a unit that is rock solid even with the heaviest material in the screen. The Morbark Model PT837 is purposely equipped with reserve horsepower, hydraulic power and torque for applications requiring auxiliary components. With 750 square feet of actual screen area—unmatched in the industry—the **PT837 can process up to 400 yards per hour** while maintaining a cost per square foot significantly lower than competitive machines. This is the only screen on the market capable of directly accepting the output of today's most productive grinders. Whether screening behind a grinder, or pre-screening in front of a grinder, the Morbark PT837 handles every conceivable job, including compost, wood chips, land clearing debris, municipal solid waste, yard waste, landfill mining, C & D and more.



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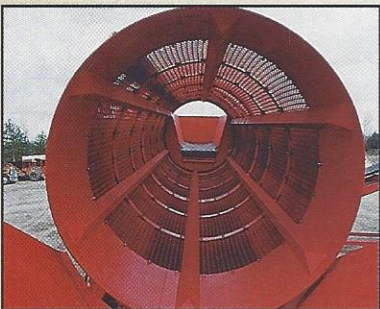
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With hydraulic support legs on all four corners, the entire unit is stabilized and the angle of the trommel is easily adjusted to achieve optimum material retention and thorough product screening.



The throat opening, a unique straight through design from hopper to trommel, is completely unrestricted, allowing the unit to accept very bulky material with ease.



The side shuttle conveyor beneath the trommel can be set up to feed material to either the left or right side, depending on the situation.



The portable fines stacking conveyor may be quickly positioned on either side of the trommel without having to move the machine.



Equipped with a road-legal fifth-wheel towing arrangement, the Model PT837 is completely portable, with a set-up time of approximately 10 minutes.



GENERAL

Length	57' 9"
Height	13' 6"
Width	10' 10"
Gross weight	68,000 lbs.
Tongue weight	24,000 lbs.
Axle weight	38,000 lbs.
Tri-axle trailer	67,500 lb. suspension
Tires (6)	315/80R22.5 20 ply radials
Brakes	air
Stabilizer legs (4)	hydraulic
Towing arrangement	fifth wheel
Engine	Cummins or John Deere
Horsepower	200 - 215
Fuel tank capacity	120 gallon
Hydraulic oil tank capacity	120 gallon
Hydraulics are available to operate auxiliary feed conveyor	
Complete remote control operations	

TROMMEL SCREEN

8' diameter x 37' long trommel screen equipped with 30' of actual screen cloth (750 sq. ft. of screen area)
All screen panels bolt on for easy removal
14" diameter brushes prevent clogging or binding of screen
Trommel screen supported by (8) 8" diameter x 6 1/2" wide steel wheels, each supported by (2) 3,800 psi pillow block bearings on swivel axle mounts
Screen is hydraulically driven with variable speed control

DISCHARGE SYSTEM

42" wide fines side shuttle conveyor discharges to a 40' x 48" wide portable, hydraulically telescoping stacking conveyor with a maximum drop height of 17'
Side shuttle conveyor discharges either to left or right side of trommel
Stacking conveyor may be positioned on either side without moving the entire screen
Oversized material is discharged from the 5th wheel towing end of the trommel

OPTIONS

Various punch plate or screen cloth sizes
Dual or triple products split machines
60" wide, 40' attachable hydraulically telescoping overs stacker with a maximum drop height of 17'
Radial stacking conveyors