

Morbark Tub Grinder

Product Information

Model 1050



Morbark's Model 1050 Industrial Tub Grinder is designed for applications requiring greater production output than our Model 1000 Tub — but with less capital investment than the Model 1100.

The 10 foot diameter tub and hammermill of the

Model 1000 have been incorporated into the heavier frame and suspension of the Model 1100, allowing a knuckleboom loader and operator's cab to be installed on the unit. The addition of the loader significantly enhances production output — as opposed to merely dumping material in with a front end loader.

The Model 1050 processes pallets, brush, demolition debris, discarded lumber, bark, mill scrap and other wood fibrous material up to eight inches in diameter. Depending on material, volume reduction as high as 10 to 1 and output levels from 60 to 130 yards per hour can be expected with the Model 1050. As with all Morbark tub grinders, this unit is completely self-contained and portable. Standard equipment includes hydraulic tub tilt, folding discharge conveyor, direct drive with torque limiter and a pressure compensated hydraulic system.

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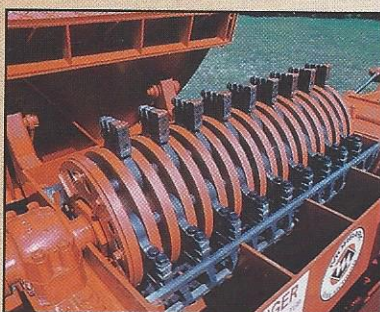
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Morbark Tub Grinder **Model 1050**

Heavy duty hammermill can accommodate both fixed or swing hammers depending on the owner's processing needs.



Standard features include full hydraulic tub tilt for quick clean out of material and debris and easy access to hammermill.



The Model 1050 features dual 12" diameter underneath augers discharging to a belt. This system provides fast exit of material resulting in high production and less maintenance.



Torque limiting slip clutch protects engine and clutch assembly against sudden shock or overload.



GENERAL

Length	37'6"
Height	13'4"
Width (transport)	8'6"
Gross weight	42,000 lbs.
Tongue weight	14,000 lbs.
Axle weight	28,000 lbs.
Tandem axle trailer	45,000 lbs. suspension
Tires (8)	255-70R x 22.5, 16 ply radials
Brakes	air
Stabilizer legs (2)	manual
Drive	direct with slip clutch
Towing arrangement	fifth wheel
Engine	Caterpillar, Cummins or John Deere
Horsepower	325 to 450
Fuel tank capacity	160 gallon
Hydraulic oil tank capacity	120 gallon

CAB & LOADER

Enclosed weatherized operator's cab, 6-way adjustable seat, complete with all controls
Morlift model 250 knuckleboom loader with 25' extended reach and 280° swing, continuous swing bypass grapple with 360° turn
Lift capacity 7,500 lbs. at 10'

TUB

Full hydraulic tilt tub
10'6" diameter tub opening, 8' diameter at inside base and 52" deep
Walls constructed of 1/4" reinforced steel plate, floor constructed of 3/8" thick T-1 wear-resistant steel
Tub supported by (10) rubber tire guide rolls carried on a 1-1/2" diameter chrome shaft
Hydraulic forward and reverse
Safety shut down system

HAMMERMILL & SCREENS

26" x 46" hammermill opening
16" diameter x 44" long rotor with (8) 1-1/4" heat-treated hammer retaining rods mounted on a 5" diameter rotor shaft
Equipped with (36) 1" thick balanced heat-treated hard-surfaced swing hammers
3/4" thick T-1 steel heavy duty split screens
Wear plate & screen area 2,424 sq. inches

DISCHARGE SYSTEM

Two (2) 12" diameter augers discharge onto a 28" wide x 24' long heavy duty belt conveyor

OPTIONS

Rotor conversion package for fixed hammers
Electric power
Break-away torque limiter
Joystick controls
Combination air conditioner/heater
Tarantula grapple
Wireless remote control
Variety of conveying & material handling equipment
Magnetized end pulley with collecting slide tray for ferrous metal removal
Tub cover for debris containment
Auxiliary air compressor
12' flair on tub opening