

A tradition of innovation since 1966

HAYBUSTER®

H-1130 TUB GRINDER

[PTO tub grinder]

HAYBUSTER®



**Take over 40 years of tub grinding experience, add customer wants and needs...what do you get?
The Haybuster H-1130 Big Bite Tub grinder!**

- All new design to meet the demands of today's successful ranchers!
- High capacity PTO grinder handles round or large square bales & loose hay.
- Heavy duty 50 inch (127 cm) hammermill is now standard equipment.
- 40% more discharge space under screen area than previous models for more volume.
- New twin 12" (30.48cm) x 4' 6" (1.37 m) dual belly augers for faster discharge.
- 90 degree tub tilt for easy access to the hammermill for service and maintenance.
- 24" (60.69cm) wide and 26' (7.92 m) long hydraulic folding stacking conveyor.
- Increased horsepower drive system ratings from 200 hp (149.14 kw) up to 315 hp (223.71 kw.)



1

1. The Big Bite 50" (127 cm) heavy-duty hammermill is now standard equipment and has been moved to the rear of the tub to reduce the length of the belly discharge and accelerate product removal. The heavy-duty hammermill operates at 2300 rpm or 40% faster than previous models and is constructed with 88- $\frac{1}{2}$ " (1.27 cm) swinging hammers. The hammers have four hardened working edges that can be rotated to provide a new grinding edge. They are held in place with $\frac{1}{4}$ " (3.18cm) case-hardened hammer rods. The mill plates are $\frac{1}{2}$ " (1.27cm) thick and 16" (40.64 cm) in diameter. The hammermill is mounted on a $3\frac{1}{2}$ " (8.98 cm) stress-proof shaft supported by $3\frac{1}{4}$ " (8.21 cm) bearings. During operation the swinging hammers extend to a full 26" (66.04 cm).

2. The belt drive system for the hammermill has been redesigned with 8-5 VP belts to handle the increased rotor speed, increased horsepower capacity and to allow for changing of belts without removing the bull gear. The spring tension belt drive automatically adjusts belt tension as the belts stretch. Spring tension adjustments can be made through the side access door.



2



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3. The new heavy duty bolt-in mill grate/slug bar combination is designed to allow the operator the ability to change the number of mill grate bars and slug bars as grinding conditions change. Simply take off or add as necessary. A geyser plate can be added to prevent product from being tossed straight up and out of the tub.

4. The new dual 12" (30.48 cm) x 4' 6" (1.37 m) belly augers are suspended by two heavy-duty bearings and are located at the base of the newly-designed screen area. The short dual-augers allow for a sealed under screen discharge area. The larger discharge area also provides for higher capacities and reduces the possibility for plugging.



4



5

5. The large H-1130 Big Bite Tub is constructed of a 10-gauge steel floor and a 12-gauge steel side wall. The width of the tub is 11' 3" (3.43 m) at the flare, 8' 11" (2.72 m) at the base and is 50" (127 cm) deep. With this large tub the H-1130 has the capacity to handle the largest round and square bales as well as loose hay.

6. The DuraTech electronic governor is the reason for a smooth productive machine. This governor maintains a constant load on the tractor and driveline by adjusting the tubs rpm which controls the feed rate of the material to the hammermill.



6

7. The tub drive has continuous teeth around the tub and dual spring tensioners to keep chain tight. Power is provided by a single hydraulic motor controlled by the electronic governor.



7

8. The H-1130's tub opens a full 90 degrees for easy access to the hammermill and drive train for daily maintenance and easy screen changing.



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9. The new hydraulic folding 24" (60.96 cm) wide by 26' (7.92 m) long high-capacity stacking conveyor is designed for the increased capacity of the H-1130. A rubber-lagged drive pulley along with Haybuster's "Easy Clean" idler pulley to power the belt. 1½" (3.81 cm) high cleats help haul the ground product away at a high rate without slowing down, even when the hammermill is overloaded. The ground product can be piled up to 18' 6" (5.64 m) high with the conveyor.



9

10. Large 16.5 x 16.1, 14-ply flotation implement tires provide for easy transportation and a solid base for the H-1130.



10

11. High-capacity grain grinding is another important operation that the H-1130 can also accomplish. By removing the mill grate/slug bar, placing the optional grain-grinding hopper over the hammermill opening and changing screens, the H-1130 becomes a high capacity grain grinder for grinding and/or cracking feed grains.



11

H-1130

SPECIFICATIONS [H-1130 Tub Grinder]

Hammermill	
Length	50" (127 cm)
Diameter	26" (66.04cm) with Hammers Extended
Feed Opening	28 1/2" (72.4 cm) x52"
Hammers	1/2" (1.27cm) AR-Hardened Steel, Swing
Number of Hammers	88 (4 wear sides)
Rods	1 1/4" (3.18cm) Case Hardened Steel
Cylinder plates	1/2" (1.27cm) thick X 16" (40.64cm)
Cylinder Shaft	3 1/2" (8.98 cm) Stress Proof Steel
Bearings	3 1/4" (8.21cm) Pillow Block
Drive	1000 RPM Through Sheaves and 8-5VP V-Belts
Rotor Speed	2300 RPM

Screens	
Screen Area	2781 Sq. In. (7063.75 Sq. Cm.)
Screen Thickness	1/4" (.635cm)
Screen Hole Diameter	1/8" (.317cm) to 8" (20.32cm)

Tub Features	
Tub Width at Flare	11' 4" (3.45m)
Loading Height	9' 2" (2.79m)
Depth	50" (127cm)
Diameter at Base(ID)	8' 11" (2.72m)
Tub Wall Thickness	12 gauge (2.66cm)
Tub Floor Thickness	10 gauge (3.42cm)
Drive Mechanism	Electro/Hydraulic-Continuous Tub Teeth
Speed Control	DuraTech RCB93 Electronic Governor
Hydraulic Oil Capacity	60 US gallons (227.12L)
Service Access	Tub Hydraulically Tilts 90 Degrees/Side Access for Belt Tighting and Greasing

Belly Augers	
Type	Twin 12" (30.48cm)
Length	4' 6" (1.37m)
Support	2 Support Bearings per Auger

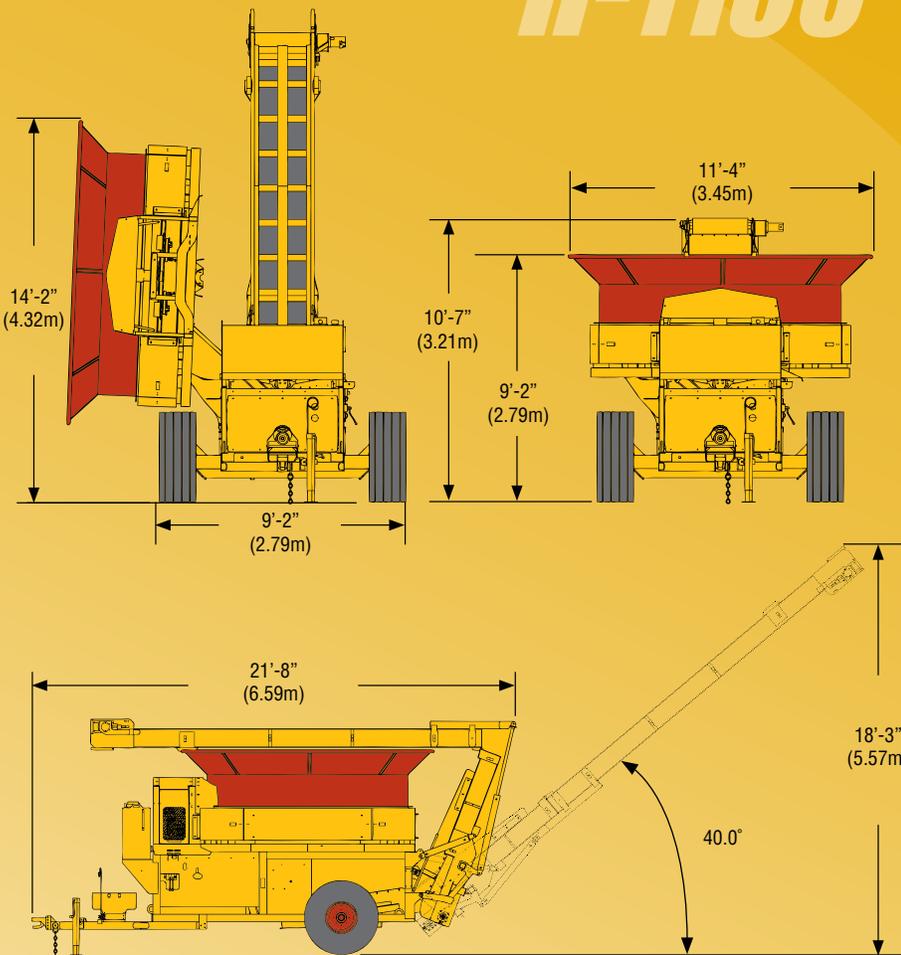
Discharge Conveyor	
Type	Rubber Belt with 1 1/2" (3.81cm) High Cleats
Drive	Hydraulic
Drive and Idler Pulleys	Rubber Lagged Drive, "Easy Clean" Idler
Length	26' (7.92m)
Width	24" (60.69cm)
Max. Height	18' 6" (5.64m) @ 40 Degree Incline Conveyor Lift and Fold Hydraulic
Weight Total	13,300 lbs. (6,032.78 kg)
Hitch	(with conveyor folded) 1,950lbs. (884.51kg)

Shipping Dimensions	
Width	11' 4" (3.45m)
Length (hitch removed)	19' 0" (5.79m)
Height (tires removed)	9' 7" (2.92m)

Transport Dimensions	
Width	11' 4" (3.45m)
Length	21' 7" (6.58m)
Height	10' 7" (3.2m)

Operator Controls	
Tub Rotation	3 Position Hydraulic Valve; Clockwise, Stop, Counter Clockwise
Tub Speed	Controlled by DuraTech Model RCB93 Electronic Governor
Conveyor Lift and Fold	Hydraulic Valves for Lift and Fold
Tub Tilt	Tractor Hydraulic Control Valve.

Chassis Features	
Towing Arrangement	Clevis Type Hitch
Tires	2) 16.5L X 16.1 High Flotation Implement (14 ply)
Wheels	16.1 X14C 8 Bolt Implement
Bearing Type	Tapered Roller Bearings



**PO Box 1940
Jamestown, ND 58402-1940
Phone: (701) 252-4601
Fax: (701) 252-0502
Website: www.haybuster.com**



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Tractor Requirements for Operation	
1000 RPM PTO	
Minimum PTO Horsepower Required	200 HP
Maximum PTO Horsepower Allowed	315 HP
Minimum Hydraulic Output	8 GPM (30.281 lpm) @ 1500psi (10,342,135.92 pascal)
Hydraulic Remote Control Valves	2- Double Acting Valves with ISO Compatible Outlets
Electrical Power	12 Volt DC
PTO Shaft Size	1 3/8" (3.49cm) or 1 3/4" (4.45cm) 1000 RPM

Hydraulic Oil Requirements	
Hydraulic Oil	60 Gallons (227.12 l) of Hydraulic Oil (Mobile 423, CENEX HTB Quicklift, Conoco Hydro Clear or equivalent)

Options	
Mill Grate/Slug Bar Combination	
Geyser Plate	
Grain Grinding Hopper	
Ear Corn Kit	
Grinding Screen Sizes:	
Diameter in inches:	1/8, 3/16, 1/4, 3/8, 1/2, 5/8, 3/4, 1, 1 1/2, 2, 3, 4, 5, 6, 7, 8, Open
Diameter in Centimeters:	.375, .476, .635, .935, 1.27, 1.59, 1.91, 2.54, 3.81, 5.08, 7.62, 10.16, 12.70, 15.24, 17.78, 20.32, Open
Rectangular Screens: For improved grinding of tough hay	
	4 1/2" (114.3mm) x 7 1/2" (190.5mm)
	9" (228.6mm) x 7 1/2" (190.5mm)
	6" (152.4mm) x 7 1/2" (190.5mm)
	3 1/2" (88.9mm) x 7 1/2" (190.5mm)