

A tradition of innovation since 1966

# HAYBUSTER®

## H-1030 TUB GRINDER

[ PTO tub grinder ]

HAYBUSTER®



### *The latest tub grinder from the hay grinding experts.*

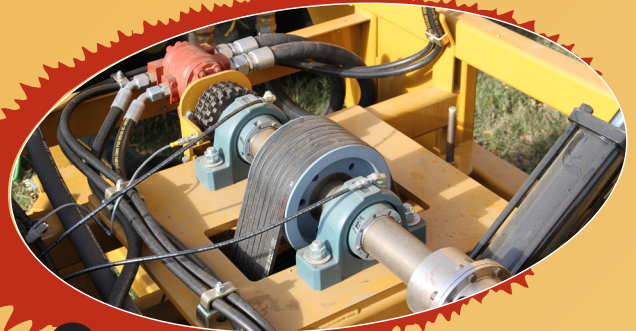
*Haybuster has been in the Hay Grinding business for nearly 50 years and have now created a new tub grinder to add to an already impressive line of PTO grinders. We have listened to our customers and implemented many of your requests in designing this new model. Trust the hay grinding market leaders to deliver the quality grinders you have learned to expect from Haybuster.*



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1. The H-1030 is equipped with a 44" (111.76 cm) long heavy duty hammermill that has been positioned to the rear of the tub. With the mill in the back, the ground product can easily be discharged and transferred to the stacking conveyor. The hammermill is constructed of 3/8" (0.95 cm) thick x 15 3/4" (40 cm) diameter plates with 1 1/4" (3.18 cm) case-hardened rods that hold 64-3/8" (0.95 cm) hammers. These hammers have four hardened edges that can be rotated and flipped to complete many hours of grinding. The mill is mounted to the frame with two 3" (7.62 cm) pillow block bearings on a 3 1/2" (8.89 cm) stress-proof shaft. From tip to tip the mill has a 26" (66.04 cm) swing diameter.

2. The 8 multiple belt drive systems has been designed to handle increased horsepower and rotor speed. The spring tension belt drive system allows for constant belt tension while belts stretch and wear without having to manually adjust. Access door allows for tension adjustments or drive maintenance.



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3. The 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 H-1030 has 12" (30.48 cm) diameter x 4' (1.22 m) long dual augers for discharging ground product. Augers are mounted with two heavy-duty bearings located at the base of the discharge, allowing free-flowing of product to the stacking conveyor. Expansion of the discharge area allows for higher capacity and reduces possibility for plugging.



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5. The H-1030 has a 10' 3" (3.12 m) tub constructed of 10-gauge steel in the floor and 12-gauge steel in the tub. The tub is 44.5" (1.13 m) deep and will handle all types of bales.

6. On the H-1030 the tub rotation feeds the hammermill using a Wachendorf A35 with an ECU 710 Electronic Control Governor. This stabilizes engine load by adjusting the tub speed. It also controls tub direction, clockwise, stop and counter-clockwise.



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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.



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8. The H-1030'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 21' (6.4 m) long x 24" (60.96 cm) wide hydraulically-folding conveyor is designed for the increased capacity of a 10' tub grinder. The conveyor folds over the top of the tub for easy transport. It is capable of stacking material up to 14' 9" (4.5 m) high at a 40 degree angle.



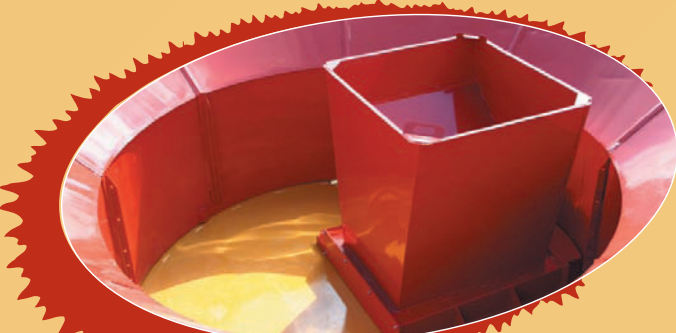
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10. Large 16.5 x 16.1, 14-ply flotation implement tires provide for easy transportation and a solid base for the H-1130.



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11. Grain Grinding with a Haybuster PTO tub grinder has become a very popular use of our hay grinding machines. Installing a grain grinding hopper over the hammermill and changing screens will convert the H-1030 into a high-capacity grain grinder. .



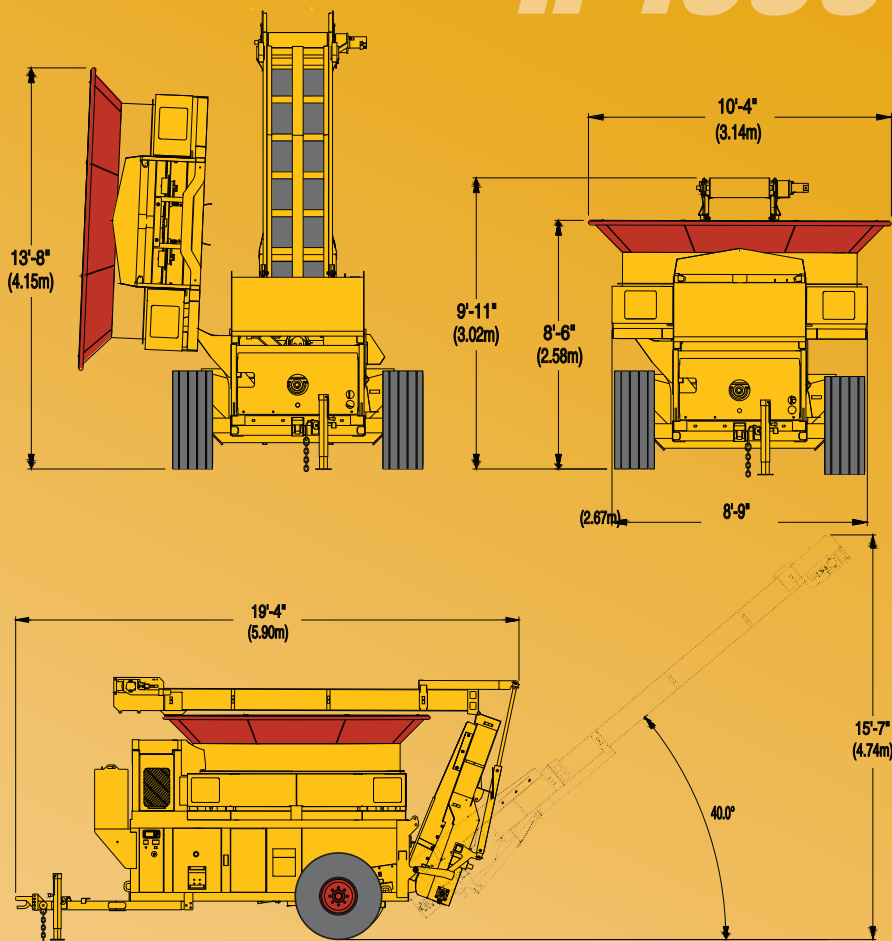
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# H-1030

## SPECIFICATIONS

### [ H-1030 Tub Grinder ]

Hammermill	
Length	43" (109.2 cm)
Diameter	26" (66.04cm) with Hammers Extended
Feed Opening	28" x 45" ( 71.1 cm x 114.3 cm )
Hammers	HD - 1/2" (12.7 mm) A.B. Hardened Steel, Swing
Number of Hammers	64
Hammer Rods	8- 1 1/4"(31.75mm Case Hardened
Cylinder plates	3/8"(0.95 cm) Thick
HD Mills	x 15 3/4" (40.01cm)
Cylinder Shaft	3 1/2"(8.98 cm) Stress Proof Steel
Bearing	3" (7.62 cm) Pillow Block
Drive	1000 RPM 2170 Rotor Speed
Screens	1/8" (3.18 mm), 3/16" (4.76 mm), or 1/4" (6.35 mm) Thick and Various Hole Sizes from 1/8" (3.18 mm) to 8" (203.2 mm) Must Order 2 Screens of Choice With Machine-Not Standard equipment
Screen Area	2,400 sq in (6,096 sq cm)
Tub Features	
Tub Width at Flare	10' 2" (3.1m)
Loading Height	9' 2" (2.79m)
Depth	44.1" (1.12m)
Diameter at Base(ID)	95.5" (2.43m)
Tub Wall Thickness	12 gauge(2.66cm)
Tub Floor Thickness	10 gauge (3.42cm)
Drive Mechanism	Full Sprocket Around Tub-Electro/Hydraulic
Speed Control	Electronic Governor
Hydraulic Oil Capacity	60 US gallons (227.12L)
Service Access	4" x 30" (10.16 cm x 76.2 cm) Hydraulic Cylinder, Tub Tilts to the Right Up to 90°
Belly Augers	
Type	Twin 12" (30.48cm) diameter x 48" (121.92cm) long
Length	4' (1.22m)
Support	2 Support Bearings per Auger
Discharge Conveyor	
Type	Rubber Belt with Cleats
Drive	Hydraulic
Drive and Idler Roller Type	Rubber Lagged Drive, "Easy Clean" Idler
Length	21' (6.4m)
Width	24" (60.69cm)
Maximum Height	14' 9" (4.5m) @ 40° Incline
Conveyor Lift	Hydraulic
Conveyor Lift Cylinder	3 1/2" x 20" (7.62cm x 50.8cm)
Conveyor Fold	Hydraulic
Transport Dimensions	
Width	10' 2" (3.09m)
Length	19' 4" (5.87m)
Height	10' 1" (3.07m)
Operator Controls	
Tub Rotation	Wachendorf A35 display switch controlled Clockwise, Stop & Counter-Clockwise
Tub Speed	Wachendorf A35 with ECU 710 Control Electronic Governor Stabilizes Engine Load by Adjusting Tub Rotation speed
Conveyor Lift and Fold	Electric/Hydraulic Switch Control uses Tractor SCV
Conveyor On/Off	Wachendorf A35 display switch controlled
Tub Tilt	Electric/Hydraulic Switch Control uses Tractor SCV
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, 6" (15.24cm) Pilot
Bearing Type	Tapered Roller



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

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#### Requirements for Operation

PTO Horsepower Required	150 HP (118.85kw) to 315 HP (234.9kw)
Minimum Hydraulic Output	8 GPM @ 1500psi (46 lpm x 10,345 kpa)
Hydraulic Remote Controls	1 Double-Acting Control Valves with Quick Coupler Outlets
Electrical	12 VDC

#### Hydraulic Oil Requirements

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

Geyser Plate
Grain Grinding Hopper
Ear Corn Kit
Conveyor Discharge Guide

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