

HAYBUSTER®

H-1000 SERIES II

[tub grinder]

HAYBUSTER®

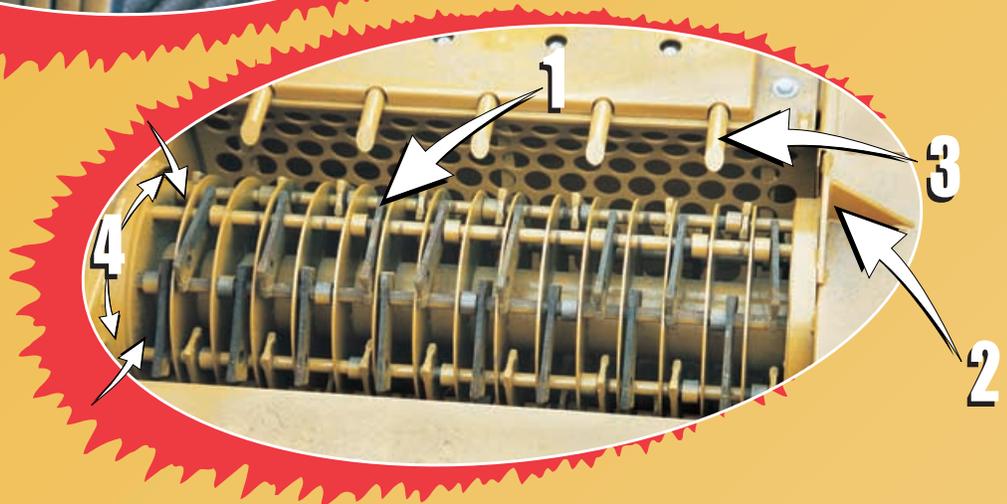


- Grinds hay - big round bales, loose hay, small and large square bales
- Grinds crop residues - straw, stover and other types
- Grinds grain - corn (ear or shelled & high moisture), sorghum
- High capacity in portable package
- Electronic governor
- Works with 80 to 175 PTO horsepower tractors and all cereal grains





A dependable **eight belt drive system** routes power from the tractor's PTO and supplies it to the mill. This drive system turns the mill at approximately two times the tractor's PTO speed. This higher mill speed provides smooth feeding and delivers high capacity grinding.



“BIG BITE” is the name for this hammer mill. The mill is 44 1/2” long and at operating speed the hammers extend out to 26” in diameter.

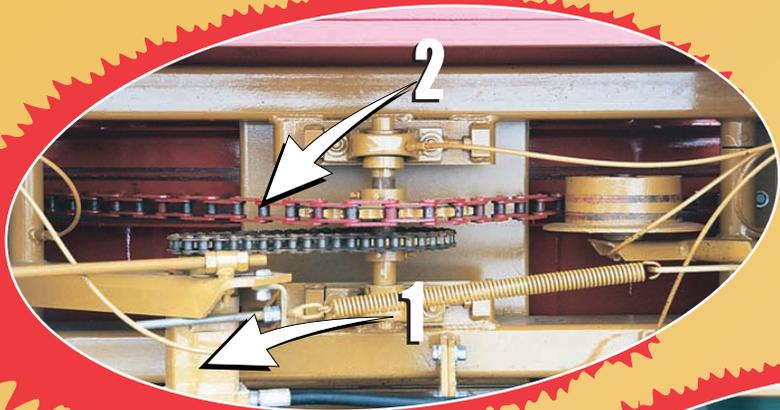
(1) The 64 **swinging hammers** are arranged on eight heavy duty **hammer rods**. These hammers have four hardened cutting edges. When the hammer's cutting edge becomes worn it can be replaced by turning the hammer to the next available fresh, sharp cutting edge.

(2) A **“hay spike”** is installed near the center of the tub floor at the end of the tub mill. This **“hay spike”** directs hay or crop residues to take a path around the end of the mill. This improves mill feeding and reduces hammer wear.

(3) The heavy-duty **“slug buster”** enhances the hammer's cutting action and product flow to the mill.
 (4) The **“BIG BITE”** hammer's can swing up to 180°, thus limiting how far the hammers can lay back under the tough grinding conditions.



Big capacity in a compact package....that's what you get with the **H-1000**.



The “BIG BITE” tub is driven by a (1)**hydraulic motor** through a heavy-duty (2)**roller chain**. This drive method provides for a responsive and smooth transmission of power to the tub.

The tub rotation is controlled by the **Duratech electronic governor**. This **electronic governor** allows the engine speed to remain constant, as the tub rotation speed varies to control the feed rate to the hammer mill.



The two heavy-duty and high capacity augers mounted in the **belly pan**, convey the product to the discharge conveyor. The auger and pan combination provides for a high-speed transfer of the product and for a clean, leak-free environment under the tub grinder.

The product is taken away from the belly pan augers with a 18” wide by 20’ long high-capacity (1)**discharge conveyor**. The conveyor height is hydraulically controlled. A hefty (2)**hydraulic cylinder** transmits its lifting force to the conveyor through a strong steel linkage system. It’s all controlled by an easy push or pull of a simple (3)**hydraulic lever**.



HAMMERMILL

Length	44 1/2" (113.03 cm)
Diameter	26" (66.04 cm) with hammers extended
Feed Opening	27" x 45" (68.6 m x 114.3 cm)
Hammers	3/8" (.952 cm) hardened swing
Number of Hammers	64
Rods	15/16" (2.38 cm) case hardened
Mill Plates	3/16" (.476 cm) thick x 15 3/4" dia. (40.0 cm)
Mill Shaft	3" (7.62 cm) stress proof steel
Drive End Bearing	2 3/4" (6.94 cm) pillow block
Idle End Bearing	2 7/16" (6.19 cm) pillow block
Screens	1/4" (.635 cm) thick, various hole sizes from 1/8 (.031 cm) to 4" (10.16 cm)
Screen Area	2,400 sq. in. (609654 sq cm)
Drive	PTO through multiple vee belts
Tractor	PTO Type 1000 RPM, 1 3/8" (3.49 cm), 21 spline shaft
Recommended PTO	80 to 175 Horsepower

TUB FEATURES

Loading Height	7' 11" (2.41 m)
Tub Width at Flare	10' 3" (3.12 m)
Depth	44 1/2" (113.03 cm)
Tub Inside Diameter at Base	8' (2.44 m)
Tub Wall Thickness	14 gauge (1.89 mm)
Tub Floor Thickness	10 gauge (3.42 mm)
Drive Mechanism	electro/hydrostatic
Speed Control	electronic governor
Hydraulic Oil Capacity	12 gal. (45.42 l)

BELLY PAN AUGERS

Type	double free floating augers
Auger Size	9" x 96" (22.86 cm x 243.84 cm)
Width	33 3/4" (85.73 m)
Drive	Mechanical

DISCHARGE CONVEYOR

Type	rubber belt with cleats
Rollers	"Easy Clean Roller"
Drive	mechanical
Length	20' long (6.09 m)
Width	18" (45.72 cm)
Maximum Conveyor Lift Height	13' 9" (4.19 m)
Conveyor Lift	hydraulic
Conveyor Lift Cylinder	3 1/2" x 8" (8.89 cm x 20.32 cm)
Conveyor Fold	spring assist manual fold

OPERATOR CONTROLS

Tub Rotation	3 position hydraulic valve for clockwise, stop and counterclockwise
Tub Speed	DuraTech model RCB93 Electronic Governor sets engine load by controlling tub rotation speed
Conveyor Lift	3 position hydraulic valve for raise, hold & lower

WEIGHT

Total	6,400 lbs. (2903 kg)
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TRANSPORTATION DIMENSIONS

Width	10' 3" (3.12 m)
Length	21' 4" (6.50 m)
Height	10' 2" (3.09 m)

CHASSIS FEATURES

Towing Arrangement	clevis type for hitch pin
Tires	two 9.5 x 14 (24.13 cm x 35.56 cm)
Wheels	Drop Center Rims
Bearings	Tapered Roller Bearings

OPTIONS

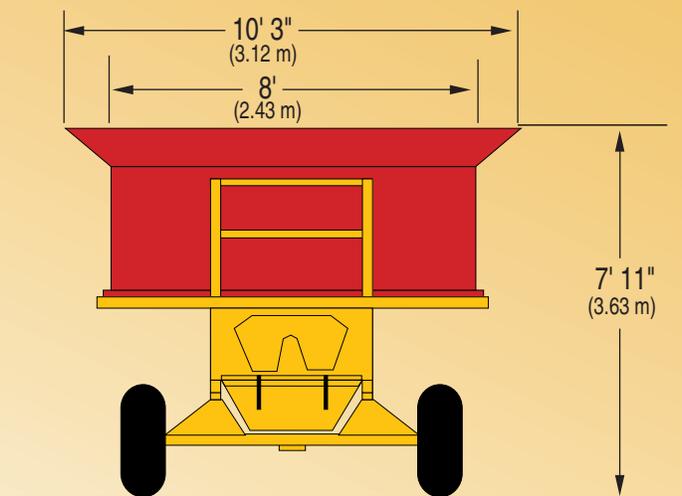
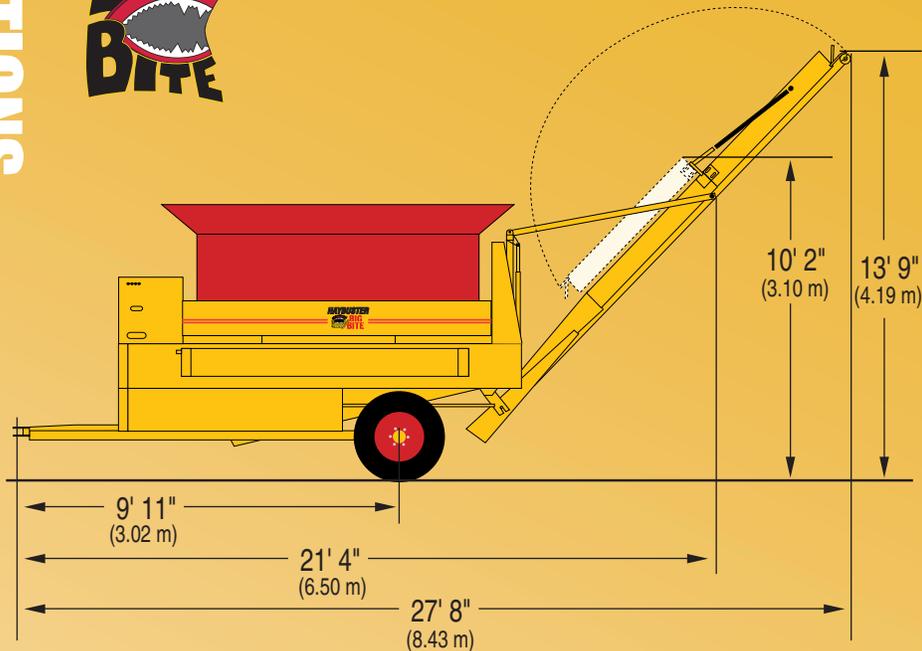
Loose Hay Guide • Grain Grinding Hopper • Ear Corn Kit • Geyser Plate • Mill Grate • Screen Sizes from 1/8" (.031 cm) to 4" (10.16 cm) Round Hole • Highway Tires

SPECIFICATIONS

CH-1000 Series 111

HAYBUSTER[®]

The Innovation Continues...



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