

# SENTRY 100 HAMMERMILL



**Sentry 100**

The rugged, well-proven and durable Mix Mill 18" full circle grinding chamber is identical in all 6 models of **Sentry Hammer Mills- the 100, 145, 1000, 2000, 3000 and 4000.**

The heavy duty wear plates on the front and rear of the chamber can be easily replaced. The 360-degree screen can be set in 18 different positions to evenly distribute screen wear and prolong screen life.

The 15 case hardened beveled hammers are set in three groups. The large center hub has four spacing steps which allow the gap between the hammer tips and the screen to be optimized for the size of the ingredient. The hub is mounted with a self-centering tapered bushing to reduce vibration, and is equipped with a built-in hub puller for easy hub removal.

## **DIMENSIONS**

35.5" High x 27.5" Wide x 30" Deep  
(90 x 70 x 76 cm)

## **INGREDIENT INFLOW**

Inflow is through either a 6" or a 4" top inlet, which can be fitted with an optional slide gate and various hoppers. Magnets are mounted on the intake to remove ferrous material contaminants.

## **PRODUCT DISCHARGE**

The Sentry 100 is designed as an Economical and Efficient "Drop Through" Mill. There is no Auger Base for the Sentry 100. All of the product discharge/outflow is by gravity through the bottom of the mill.

## **MILL MOTOR**

Select according to your needs and your local power source. Single phase motors are available in 5, 7.5, or 10 HP. Three phase motors are available in 5, 7.5, 10, and 20 HP. *NOTE: Rotation of single-phase motors may be reversed to equalize hammer and screen wear.*

## **SENTRY 100 STANDARD EQUIPMENT**

1. 3/16" Screen (*other sizes from 1/16"-3/4" are available*)
2. 4" or 6" diameter Inlet
3. Door interlock safety switch
4. Magnets
5. Housing with Bottom Discharge

## **GRINDING CAPACITY**

- Corn 7,000lbs/hr (3175 Kg/hr)
  - Wheat 8,000lbs/hr (3900 Kg/hr)
- \*Based on 3/16" screen and 10 HP motor. Capacities will vary with the type and nature of the ingredient as well as the mill HP and screen opening size.*

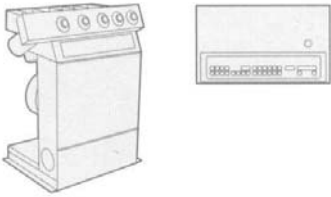
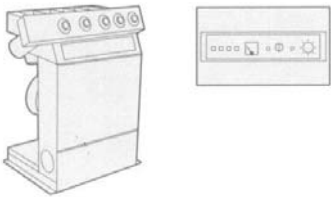
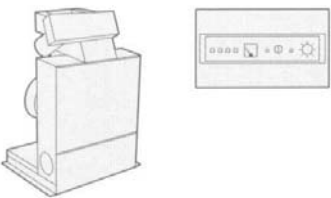

**Mix-Mill**  
FEED PROCESSING SYSTEMS

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## Mix Mill Sentry Hammer Mills

4000		<ul style="list-style-type: none"> <li>• Electronic Control Panel with Optional Counters</li> <li>• 5 Ingredient Proportioner with 1/4 HP DC Motor</li> <li>• 4 - 3.5" Proportioner Compartments</li> <li>• 1 - 6" Proportioner Compartment</li> <li>• Dimensions - 50" high x 38" wide x 33.5" deep (127 x 47 x 85 cm)</li> </ul>
3000		<ul style="list-style-type: none"> <li>• Electric Control Panel</li> <li>• 5 Ingredient Proportioner with 1/4 HP DC Motor</li> <li>• 4 - 3.5" Proportioner Compartments</li> <li>• 1 - 6" Proportioner Compartment</li> <li>• Dimensions - 50" high x 38" wide x 33.5" deep (127 x 47 x 85 cm)</li> </ul>
2000		<ul style="list-style-type: none"> <li>• Electric Control Panel</li> <li>• Single Ingredient Proportioner with 1/8 HP DC Motor</li> <li>• 1 - 6" Proportioner Compartment</li> <li>• Dimensions - 44.5" high x 30" wide x 30" deep (113 x 75 x 76 cm)</li> </ul>
100--1000		<ul style="list-style-type: none"> <li>• Single 6" Ingredient Inlet</li> <li>• Dimensions - 35.5" high x 30" wide x 30" deep (90 x 70 x 76 cm)</li> </ul>

### GRINDING CAPACITIES\*

- Corn 7,000 lbs/hr (3175 Kg/hr)
- Wheat 8,600 lbs/hr (3900 Kg/hr)

### FEATURES

- 18" diameter grinding chamber
- screens with hole diameter from 1/16" to 3/4"

\*Capacities based on 3/16" screen with 10 HP motor. Several factors must be considered when calculating mill capacities: type and amount of each Ingredient, amount of material ground, amount of material bypassed, mill horsepower and screen size. Capacities may vary.

