

Industrial Grinder Processes 500,000 Pounds of Meat and Bone Meal Daily



Industry: Rendering
Application: Meat Meal and Bone Meal
Production: 500,000 lbs/day (227MT/day)
Milling Equipment: Schutte-Buffalo Model 1590 Industrial Grinder

The Challenge

Cargill Meat Solutions of Schuyler, Nebraska was having difficulty finding the right grinder to perform the finish grind of cooked and dried meat meal and bone meal in their Rendering process. They required a grinder that would provide a consistent end product while meeting their production goals and avoiding costly downtime for maintenance. Many different grinders had been tried, but none performed as promised.

The Solution

Cargill worked with Dan Brown of Brown's Milling Supply of Fremont, Nebraska to source the ideal equipment. The solution was a **Model 1590 High Production Industrial Grinder**, engineered and manufactured by Schutte-Buffalo, a Buffalo New York based manufacturer of size reduction equipment.

To begin with, the Model 1590 was custom configured to suit the properties of the materials being processed, the end product requirements, and the desired production goals. The engineering team at Schutte-Buffalo worked closely with Dan Brown and Dave Limbach of Cargill to gain a clear understanding of each of those key factors. The result was a grinder customized to their unique needs.

"The team at Schutte-Buffalo delivered on the specific design needs for our application. They were willing to listen and make changes when needed."

- Dave Limbach, Rendering Superintendent, Cargill Meat Solutions

The Model 1590 is ruggedly constructed from 1" thick A-36 carbon steel plate, and lined with ¾" replaceable carbon steel liner plates, which protect the mill's housing from wear caused by processing highly abrasive material.

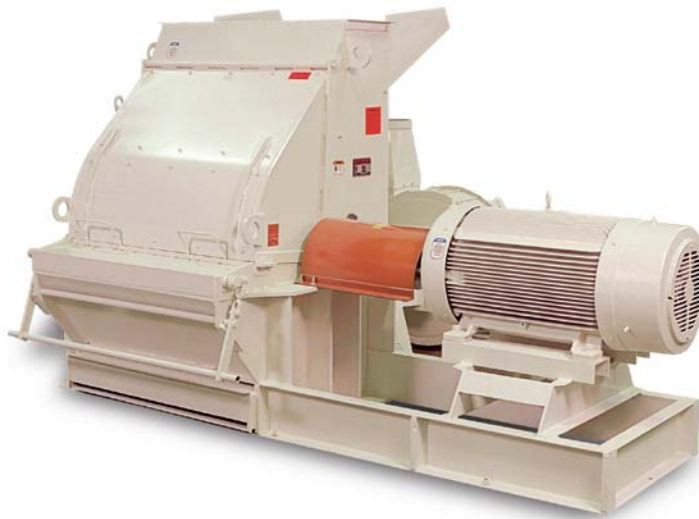
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Long wearing, four way reversible notched hammers, together with the 1/2" ribbed plate work in unison to reduce the material to a consistent finished product that will pass through the 3/8" perforated screen covering the grinder's discharge opening.

The Result

No costly downtime. The model 1590 performed as promised, delivering the production rate and end product required. As a result, there is no need to shut down production for daily maintenance.

Purchased in 2006, to date this model 1590 continues to perform at a rate of 500,000 pounds per day.



"We have worked with several different brands of grinders in our facility over the years, but have found Schutte-Buffalo to be the first to deliver on what they say the mill can grind.

When it comes to ease of maintenance, increased capacity, and working with trustful people, I highly recommend Schutte-Buffalo."

- Dave Limbach

SchutteBuffalo

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