

## CASE STUDY: BOWATER – WESTOVER SAWMILL

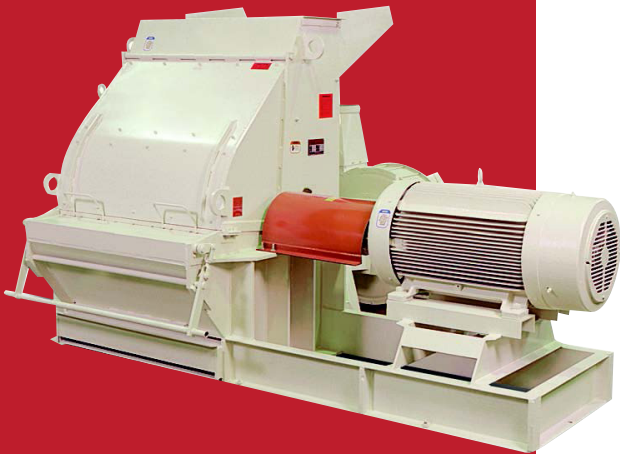
**Industry:**  
Wood Processing

**Application:**  
Pine Planer Shavings

**Equipment:**  
Schutte Hammermill Model  
1590 High Capacity Wood  
Grinding Hammer mill

“Working with the guys from Schutte Hammermill was easy and they have made many design improvements since the original setup.”

– Ken Lampe, Mill Manager  
Bowater Lumber



## OUT WITH THE OLD AND IN WITH THE NEW SCHUTTE HAMMERMILL SYSTEM



### THE CHALLENGE:

The metered flow of softwood pine planer shavings is fuel for storage in a silo ahead of a McConnell direct fired burner providing fuel for a lumber drying kiln.

Planer wood chips and other dry wood waste having dimensions larger than 1/2" (and/or large percentages of -1/8" fines) when introduced to the McConnell direct fired burner result in poor efficiency, higher unburned ash contents and carryover into the kiln.

### THE SOLUTION:

When the sawmill expanded it nearly doubled the design rate their existing Schutte Hammermill tandem Series 13 system. The system had provided good service for many years. However, now the pipeline and cyclone were too small for the larger flow rate.

Model 1590 High Capacity Wood Grinding Hammer Mill from Schutte Hammermill installed as a package with and integrated vacuum discharge to a close coupled cyclone. The system then feeds a "Tubulator" designed belt conveyor into the silo. A process that is now completed in just one pass.

### THE RESULT:

The plant accepts a higher tonnage rate from the planer mill and is producing uniform material ahead of the silo. The result is a closer tolerance size range fuel for the direct fired burner.



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