Case Study: Mid-America Truss

Industry: Wood Processing

Application: Commercial and residential wood truss structures

Equipment: Schutte-Buffalo Model 1340 hammermill

SchutteBuffalo
The Leaders in Size Reduction

Schutte-Buffalo Model 1340 Hammermill Increases Production Rate by 400%

The Challenge

At Mid-America Truss, In Jefferson City, Missouri 2"x4" wood scraps from the truss operation were being processed at a rate of 40,000 lbs per week. Fed into a ram-fed slow speed wood grinder, the scraps were hogged down to ¾" and sold to a local farmer for animal bedding.

The ¾" screen that Mid-America was using on the grinder resulted in a large amount of splintered wood chips, presenting a safety hazard for the animals. Switching to a ⅜" screen on the grinder would result in a smaller, more uniform and safer product, BUT the smaller screen size would dramatically reduce the grinder's production rate.

The Solution

The ram-fed grinder's grates were opened back to the original ¾" screen. A Schutte-Buffalo Model 1340 was added to perform a secondary grind. In addition, the 1340's powerful, integral fan was able to vacuum material in from the slow speed grinder, and then pneumatically convey the finished product to storage. With grinder and mill combined, the system immediately produced ¼" to ⅜" material – at the desired production rate.

The Result

Consistent quality, uniformly sized material, produced at high capacity.

> *"Our Schutte-Buffalo grinder addition solved our quality control problem and we are pleased with the results. Our production rate has increased by a factor of four so there are no longer any bottlenecks."*
>
> – Ferdy Lehmen, Owner, Mid-America Truss

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