

CASE STUDY: MID-AMERICA TRUSS

Industry:
Wood Processing

Application:
Commercial and residential
wood truss structures

Equipment:
Schutte Hammermill model
1340 hammer mill

“Our Schutte Hammermill 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



Schutte Hammermill Model 1340 Hammer Mill 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 3/4" and sold to a local farmer for animal bedding.

THE SOLUTION:

The 3/4" 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 3/8" 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 ram-fed grinder's grates were opened back to the original 3/4" screen. A Schutte Hammermill 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 1/4" to 3/8" material – at the desired production rate.

THE RESULT:

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



Call 800/447-4634 or visit www.hammermills.com for more information