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Wood Auger Waste Reduction

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Wood Auger Waste Reduction

Opportunity:

- Scrap wood & broken pallets were sent out in the same trailers as “good” pallets
 - Increased fees associated with handling
 - Increased WTE since scrap wood was considered waste
- Used 40 yard open top hoppers/roll-offs for scrap wood to improve pallet loads and reduce cost and waste.
 - This only mitigated part of the problem. The hoppers could only fit 2- 2.5 tons of scrap wood.



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Solution:

- Purchased a scrap wood auger with the help of Envita and Zero Waste Recycling.
 - The auger processes scrap wood and damaged pallets. It grinds and compacts 6.5-7 tons of wood in one container.
 - The hopper of ground up scrap wood is sent to Egger.
 - *Egger is a processing facility near Lexington, NC. They turn the ground up wood into laminated particle board that is used for cabinets, office furniture, and more. They are currently using about 15% recycled material for their products and will be increasing that amount in the future.*
 - *Nails and any metal recovered from processing the wood is then recycled through Zero Waste.*



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Savings:

- We are now able to send better loads of reusable pallets out as well as reduce the number of shipments.
 - *Average savings of \$13,000 per month in shipping costs*
 - *4% reduction in WTE*
 - *19% reduction in pallet loads*
 - *63% reduction in shipping of scrap wood due to compaction*
 - *Reduction of emissions associated with freight*
 - *Reduced shipping distance*



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Thank you



Scrap Wood from Cleveland



Cabinets, counter tops, etc.

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