

A NEW CONCEPT IN SAWDUST DRYING

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Hello my name is Dave Miller I am recently new with C₂SI (formerly Carter Sprague, Inc.). We have changed the name to better reflect our company's direction and ever-expanding product base. The phone numbers, fax numbers, Web site, E-mail address and the products we offer are all the same. As you probably know C₂SI makes the Vent-X-Changer® and other kiln components as well as providing consulting services to the lumber drying community. My personal experience has been as a mill owner and manager for over 30 years in all types of operations from studs to pine boards and old growth Douglas-fir (when there was any).

I am here today to share with you a sawdust drying process that has tremendous profit potential to your operations. As most of you know green sawdust is a low value commodity that has limited markets and heavy trucking penalties due to its water content. The drying of sawdust isn't a new concept but the ability to dry primarily with waste energy (stack gas), at a low temperature, to predetermined moisture content is a new wrinkle. This system is safe and can produce 1500# and up of dry sawdust per hour depending on the boiler size. Because it uses low temperatures, it minimizes the VOC emissions.

Dry sawdust can be transported at half the trucking cost and has more market potential than green. It can be used for particleboard, pellets or wood composite extruded products. These uses are typically 5-10 times the value of sawdust in its green state. It may be that you have a critical fuel need that would necessitate using your sawdust for fuel instead of selling it. This system could provide greatly increased volumes of sawdust dried to a higher moisture content. Our experience to date is that once the value of dry sawdust is compared to green, selling into a dry market is the most profitable and preferable. Most locations can purchase outside fuel to replace the sawdust and sell the dry sawdust resulting in a net profit.

The attractiveness of this system is its low capital cost and its low cost of operation by utilizing your waste energy source for the drying process. It may be possible to utilize additional forms of waste energy I.E. flash or V-X-C exhaust in conjunction with stack gas in the drying process. Depending upon your mill location and volume of sawdust, this system should return the capital cost within 6 months to 1 year of installation.

Do you have any questions? We have a limited supply of flyers on our table if you would like additional information on the sawdust dryer as well as our other products we would be happy to send additional information in the mail.

Thank you.