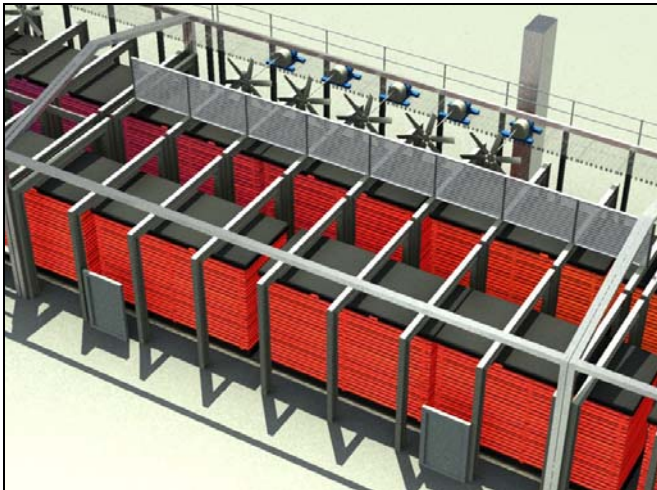




The Windsor Technology and KDS Kiln Drying Systems & Components partnership took another step forward with the signing of an exclusive marketing agreement. Watch this space for updates.

CDK – Continuous Drying Kilns

Late 2007 we actively started promoting CDK (Continuous Drying Kiln) systems. Almost exactly one year later, we signed a contract with North Florida Lumber (NFL) near Bristol, USA for a CDK conversion.



General arrangement of a Windsor CDK-D central drying section

The NFL project includes for the conversion of an existing steam heated, double track kiln into a Windsor CDK-D (dual flow) system. The process involves the removal of the existing kiln doors, roof vents, baffles and existing control system. Two new ER “energy recovery” sections are fitted to each end of the existing batch kiln, a new Dryspec controls package is installed and the fully automated DryTrack Echo in-kiln moisture content system.

The CDK design includes options for both indirect heating (steam, thermal oil and high pressure hot water) and direct fired with NFL having indirect steam heating.

CDK systems incorporate pre-heating, drying, saturated cooling, equalising and conditioning phases all in one extended chamber.

The timber stacks pass through the kiln in opposite directions on the two tracks. The timber is automatically advanced, based on the moisture content of the timber in the central heating section, by hydraulic advancer units. The typical advance rate is about 6’ per hour per track.

The ER sections recover energy from the hot/dry exiting timber and transfers it to the entering cold/wet timber thus pre-heating it prior to drying. Water vapour and steam from the central drying section exits the CDK chamber via the open doorways in the ER sections. This provides an ideal environment for the equalizing and conditioning of the dry timber which ensures better grade recovery. The heat transfer cycle and the “free” pre-heating/conditioning results in thermal energy savings of up to 30%.

Existing batch kilns are easily converted to CDK systems to increase production, reduce energy/fuel usage and to improve grade recovery.

SMS Advanced Alarm Auto Dialler For Dryspec®

Dryspec advanced alarm auto dialler module is able to send text messages to a mobile device and provides details of which alarm has been raised. The operator can then evaluate the urgency of the alarm.

Benefit: Kiln operators no longer need to dial in or be on site to see what alarm has been raised and what action, if any, needs to be taken.



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