

LOG CONDITIONING CHAMBERS - LCC



Windsor Log Conditioning Chamber Type LCC-P-T

- Significant reduction in the degrade associated with the peeling or slicing of softwood logs can be achieved if the log core temperature is raised, typically above 50°C. Comparisons with peeling at ambient temperatures and at elevated log core temperatures have repeatedly shown that pre-conditioned logs will reduce veneer degrade by up to 18%. Pre-conditioned peeler feed stock also results in a smoother surface finish on the peeled or sliced product which effectively reduces the amount of adhesive required for the laminating process.
- Traditional methods of log heating, e.g. hot water ponds, often create large volumes of by-product which is environmentally unfriendly. They are typically not energy efficient and also pose an operational safety hazard.
- Windsor's patented (#509021) Log Conditioning Chamber solves all of these problems.

Main Benefits

- The controlled conditions ensure that all logs are heated uniformly.
- Effective and constant conditioning will reduce cutting resistance and significantly improve the quality of the veneer.
- Steam conditioning does not cause water staining of the logs.
- The chamber will produce a continuous flow of conditioned logs for your peeler or slicer.
- Much lower capital and running costs and minimal environmental impact when compared with soaking pits or vats.
- Recycling of condensate increases thermal efficiency and reduces the volume of discharge water.
- Low pressure steam system creates saturated conditions.
- Fully insulated corrosion resistant aluminium chamber is easily maintained.
- Steam conditioned logs are free from grit and contaminants which can damage your peeler knife.