

22nd Annual WMI Workshop on Design, Operation and Maintenance of Circular and Band Saws

March 29-30, 2007

Holiday Inn, SeaTac Airport

Seattle, WA

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The goal of the Wood Machining Institute's Workshop on Saws is to help increase profits in the wood industry by maximizing sawing accuracy and the rate of sawing and by reducing kerf losses, downtime and saw maintenance costs. Special emphasis will be placed on lumber quality such as reducing downgrading of high grade (appearance grade) lumber due to sawing defects, making tradeoffs between reduction of kerf and target size and maximizing recovery of high value grades, selecting proper feed rates for different depths of cut and types of wood, and trimming for better surface finish.

Other issues to be explored include: new developments in saw blade materials and design, e.g., stainless steel variable thickness design; latest developments in saw tipping materials including new Stellite, titanium carbide and ceramic grades; automatic saw tipping and grinding; circular saw vibration and saw stability; computer software for saw design and maintenance; advances in circular saw tensioning and tension evaluation; developments in saw guiding systems; mismatch and wedging in circular sawing; adapting statistical quality control (or board measurement and its interpretation) to single arbor and double arbor gang edgers; band saw leveling and tensioning, cutting behavior, washboarding, bandmill alignment and bandsaw monitoring and trouble shooting; as well as machine guarding and worker safety.

The workshop faculty consists of several lecturers from the United States and Canada, each a recognized expert in his field. The faculty will combine lectures, video presentations and demonstrations of equipment and computer software in order to address problems in operating and maintaining circular and band saws, and to suggest possible solutions.

Who Should Attend

The workshop is designed for those who wish to obtain better performance from their saws by reduction of kerf, sawing variation and downtime. The material presented will be of great benefit to sawmill managers and to personnel involved in quality control and saw maintenance. The workshop will also be very helpful to saw manufacturers who are seeking to optimize saw design.

For further information contact:

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