



PIMA and CPBIS Announce
Spring 2005 Webcast
Skill Development Series



"Managing the Press Section - Press Fabric Design, Monitoring and Operation"

Course Summary: This skill development series focuses on management optimization of the Press Section. Even if your facility has an existing felt management program, or needs to implement or update one at your site, this series will present concepts and ideas that will decrease downtime on your machines. Reduction in downtime can save between \$1,000 to \$50,000 per hour in lost revenues, depending on the product grade and price. Good press section management not only reduces downtime, but also improves production volume, and product quality.

Maintenance, fabric design, and trouble shooting all help to reduce costly press fabric replacement and extend the run-life of the felt. In this series you will learn about fabric design and the art of 'fine tuning' the process to achieve maximum production performance with:

- better monitoring,
- maintenance and trouble shooting techniques,
- effective techniques for cleaning, reducing distortion,
- sustaining permeability,
- extending water removal characteristics, and
- improved runnability (breaks, sheet blowing, drop-off, etc), all of which lead to superior quality and machine performance.

This series is designed for Machine Supervisors, Superintendents, Paper Mill Managers and others who know that a good running paper machine produces more product per hour at lower costs.

Instructors: James Moloney, Albany International
David Krebs, Albany International
Edward Bondoc, SKF Group

March 23rd 11:00 – 12:30 (EST)- Press Fabric Design and Press Section Operations

The first of four sessions focuses on the importance of press fabric design and basic trouble shooting of the press section. You will learn about press fabric design and become familiar with function, structure, terminology and nomenclature of press fabrics. Trouble shooting topics include wet streaks, crushing, sheet marking, blowing, drop-off and sheet wrinkling. Each press section issue will be discussed along with some recommendations that can be incorporated into your felt management program.

April 6th 11:00 – 12:30 (EST)- Press Fabric Installation, Start-up and Monitoring

This second skill-building session focuses on press fabric monitoring and installation tips, including proper methods for installing press fabrics, startup guidelines, and extended shutdown steps. Installation addresses both endless and seamed fabric installations, and will detail the different steps needed for proper installation and startup of seamed fabrics. Also addressed are the effects of press fabric tension on their operation, and the proper way to trim the edges of press fabrics.

Tools for trouble shooting to optimize machine performance include an overview of on-line vibration monitoring systems and how they can be used to effectively detect and diagnose press fabric problems such as barring, both during operation as well as start-up. Learn how to make adjustments to correct abnormal conditions which could have costly production repercussions and detrimental effects on the press fabric life.

April 20th 11:00 – 12:30 (EST)- Press Section Cleaning and Conditioning

This third session will help you develop your own mill's strategy for a program of press fabric cleaning and conditioning by understanding the importance and processes for cleaning and conditioning press fabrics. Proper cleaning and conditioning provides maximum life potential and performance from press section clothing. Learn about vacuum conditioning components, chemical cleaning and their effect on press fabrics, and discuss the differences between shower nozzle types, pressures, nozzle coverage, and the overall effects of showers on press fabric operation.

May 4th 11:00 – 12:30 (EST)- Press Section Monitoring and Guiding

This concluding session will describe press fabric distortion, proper fabric guiding, and factors that effect guiding as well as other factors that affect the life and operation of press fabrics. A short trouble shooting discussion will also describe the importance of field service measurements including some case histories and the economic benefits derived from proper press fabric monitoring. Examples of recording felt histories and performance will be provided.

More information, registration form, etc., will be available soon on the PIMA and CPBIS websites.