2006 Corrugated Packaging Conference
Duke Energy Center
Cincinnati, OH

Updated: 8/03/2006
Wednesday, Sept 13  
7:30 a.m. - 9:00 a.m.  
Session: 1 Plenary Session  
Industry Keynote Speaker  
Jerrold Solomon, MarquipWardUnited  

*The Benefits and Challenges of Lean Enterprise, and Why it is so Hard to be Successful!*  

9:00 a.m. - 10:00 a.m.  
Session: 2 Industry Q & A Roundtable  
Sponsored by the TAPPI Corrugated Division Production Committee  
**Moderators**  
Jackie Schultz, Editor, Corrugated Today Magazine  
Jim Curley, Editor in Chief/BCN, NV Publications  

10:00 a.m. - 10:30 a.m. BREAK  

10:30 a.m. - 12:30 p.m.  
Session: 3 Converting/Converting Maintenance  
**Session Chair**  
Richard White, Harper Machinery Corporation  

3 - 1 Manufacturer’s Glue Joint Best Practices  
Rhonda Nichols, International Paper  
Jeffrey O’Cull, Temple Inland Corporation  
Frank Charbonneau, Smurfit Stone Container Corp  

Learning Outcomes  
- Understand minimum requirements for making a good glued box joint  
- Be able to troubleshoot problems related to corrugated glued box joints  
- Share knowledge with their team using the best practices guide  

3 - 2 Die Cutting Anvil Cutters – Complete Optimization  
Brian Patten, C.U.E. Inc.  

Learning Outcomes  
- Understand how the anvil cover affects the die cutting process  
- Audit your own process- Establish a baseline  
- Understand the costs associated with your process  
- Take time to run smarter- Process Optimization  

3 - 3 Ink: Troubleshooting and PM  
Bob Cantu, Sun Chemical Corporation  
Charles Hague, Sun Chemical Corporation  

Learning Outcomes  
- Ink Issues - pH, viscosity, adhesion, trapping, and drying with and without press dryers  
- Substrates and flutes - Which ones offer the best platform for lay and printability  
- Plates - soft or hard, conventional or digital  
- Metering systems -two-roll vs. reverse angle Vs chamber doctor systems  

3 - 4 Anilox Rolls – Controlling the Process, Troubleshooting and PM  
John Bingham, Pamarco Global Graphics  
Shane Weber, Pamarco Global Graphics
Bearing Clearance, TIR, Speed Ratios, Gap Clearances and Their Impact on Corrugated Board Compression
Steve Biller, MarquipWardUnited
Barry Larkin, MarquipWardUnited

The Correct Approach on Flexos and Die Cutters
Dick Target, OnTarget Consultants
This presentation will give the attendee a clear definition of the proper activities that should occur during a scheduled PM

Learning Outcomes
- Clear Expectations of What is a Machine PM
- Identification of Wear Items.
- Tooling Specifications.
- Proper Machine Calibration
  Centerlining
  Time & Register

Printing Plates Repairing Care and Handling
Rick Seckel, Container Graphics Corporation
Bill Farber, Container Graphics Corporation

Learning Outcomes
- Choosing the right printing plate for the job
- How to properly wash printing plates and the correct way to store them
- Making simple plate repairs

Cutting Dies/Cutting Die PM
Richard Putch, DICAR, Inc
John Harmon, DICAR, Inc

Maintaining Box Compression Potential
Jim Pauw, Smurfit MBI
Ben Frank, Packaging Corporation of America

Learning Outcomes
- Increase their understanding of box failure mechanics
- Identify key parameters to measure on their board and boxes to ensure they maintain box strength
- Understand common problems that can occur in finishing to reduce box strength

10:30 a.m. - 12:30 p.m.
Session: 4 Corrugating/Corrugating Maintenance

Session Chair
Jim Carbone, Harper Love Adhesives Corp

Corrugated Board Bonding
Roman Skuratowicz, Corn Products International
Randy McDaniel, Corn Products International

Learning Outcomes
- Factors that affect bonding on the corrugator, such as paper conditioning, temperature, adhesive and machine conditions
- Evaluation of bonding performance and issues, gluelines and fiber tear
- Bond testing – dry and wet pins

Watrp in Corrugated Board
David Vollick, Smurfit Stone Container Corporation
Chuck Shaffer, Weyerhaeuser Company
Splicer Problem Solving
Ray Zindrick, DT Services

Learning outcomes:
- Splice sequencing (SNRCBAR)
- Tension Control (Brakes)
- Splice sealing Nip Rolls (Parallel)
- Upkeep (Air supply, cleaning)

How to Use Optical Temperature Measurement in the Box Plant
Steve Schmidt, Copar Corporation

Learning Outcome
- How to use temperature measurement to help production, troubleshooting, and maintenance

Heat Transfer on the Corrugator
Craig Machamer

Learning Outcomes
- Temperature vs. Heat (what's the difference?)
- Corrugator temperature measurement techniques
- Steam traps: Selecting the right type of trap for the application, trap installation principles and trap testing
- Rotary steam joints and siphons: Selection, installation and maintenance
- Energy conservation

Combined Board Defect Analysis
Rick Croker, Georgia Pacific Corporation
Ray Shultz, Beacon Container Corporation

TLC for starch Adhesive Applicator Systems
Pete Snyder, Harper Love Adhesives
Brent Fetherlin, Packaging Corporation of America
Bryan Sparks, Georgia Pacific Corporation
Dwyer Griffin, International Paper

The accurate application of starch based corrugating adhesive has always been an important part of the corrugated board manufacturing process. As machine speeds have increased, as corrugators have gotten wider and as the caliper of the liner and medium components have been reduced the need for control over this part of the adhesive application process has risen dramatically. "A picture is worth a thousand words" .... Our presentation will visually show the impact of small imperfections in the adhesive applicators systems and how to accurately measure these mechanical variations. Having control over the application of corrugating adhesive will provide a significant tool to reduce or eliminate warp, will improve downstream efficiency and may even reduce overall adhesive cost per MSF.

Learning Outcomes
- Tools used for Mechanical Evaluations
  - Dial indicator
  - Goose neck Stand
  - Rigid Stand
  - Magnetic Base
  - Vice Grip Base
  - Feeler Gauges
  - Tachometer
- Heavy Crow bar

• Evaluation Procedures
  - Total Indicated runout (TIR)
  - Applicator Roller to Metering Roller Gap Measurement
  - Applicator Roller to Metering Roller Parallel Measurement
  - Glue Roll Speed to Paper Speed Measurement
  - Roller Bearing Mechanical Play

• Training Information
  - Bearing manufacturer general information
  - OEM Corrugator Equipment bearing information
  - Video Series on the need for evaluation and the techniques used during evaluation
  - Small scale machinery used for demonstration purposes

4 – 7

Importance of Leveling & Alignment
John Troyke, Georgia Pacific Corporation
Mike Woods, Georgia Pacific Corporation

Learning Outcomes
  - Learn to use a machinist’s level
  - Learn three simple and cost effective ways to troubleshoot level & alignment issues
  - Learn how level & alignment problems can adversely affect your production, product quality, and maintenance budget
  - Learn what causes level and alignment problems
  - Receive a machinist level training package with conversion chart….for free!

4 – 8

Incoming Part Inspection
Jerry McCollum, Corrugated Gear & Services Inc
Steve Stuckey, Corrugated Gear & Services Inc

4 – 9

Corrugator Roll Inspection
Dewayne Massie, Corrugated Roll Corporation
Judy Abner, Corrugated Roll Corporation

4 – 10

Boiler Room and Steam System Audits
Michael Findlan, Donahue and Associates International
Robin Sommers, Donahue and Associates International

Learning Outcomes
  - Audits reveal the actual condition of your systems
  - Increasing your steam knowledge can improve your bottom line
  - Lower energy costs are achievable
  - Testing steam traps is easy

4 – 11

Treating Wastewater Effectively
Cassie Rothstrom, Walla Walla Environmental
Rad Corn, Walla Walla Environmental
Skip Haralson, Walla Walla Environmental

Learning Outcomes:
  - Learn the ABC’s of successful waste water treatment and reuse
  - Develop baseline testing for each batch of process water to be treated
  - Determine to interpret intermediate results and treat efficiently
  - Create your own “tool kit” of solutions for waste water challenges
  - Discover what needs to be done if you need to reuse your treated – or untreated process water
  - Establish a baseline of best practices to meet discharge requirements
12:30 p.m. – 2:30 p.m.
Committee Meetings/Technical Presentations and Lunch

**FISCOTECH Committee Meeting**

FISCOTECH (Fiberboard Shipping Container Testing Committee) description: The methods used to measure the quality of products are critical and indispensable tools. Without such tools, the needs of the ever more demanding customers could not be met, and processes could not be optimized. FISCOTECH is the keeper of methods that relate to corrugated packaging. These test methods are recognized around the world, and referenced as the standard.

**Production Committee Meeting**

Production Committee description: This committee focuses on operations, maintenance, and supervisory practices within the corrugated containers industry. The committee’s annual Production Roundtable provides a popular non-commercial forum for industry members to discuss technical problems and issues related to all aspects of production. The committee also sponsors the Productivity and Waste Survey, providing an industry-wide benchmarking tool.

Presentations include:

- **Utilizing Fingerprint Data for Everyday Production**
  Cordes Porcher, P-Squared

- **Proper Machine & Tooling Calibration**
  Dick Target, On Target Consultants

- **Improving Your Corrugator’s Performance and Profits**
  Rick Croker, Georgia Pacific Corporation

**HRD/Safety Committee Meeting**

The HRD/Safety Committee provides information and support related to employee relation, training and development, and workplace safety.

Thursday, Sept 14
7:15 a.m. – 8:15 a.m.
Session: 5  
**Whats New Technology Showcase**

**Session Chair**
Michael Schenone, Bobst Group

- **C-Quenz - Business Software for Complex Assembly Handling**
  Jim Hennings, HRMS, Inc.

- **3-dX: integrating CAD and Graphic Design on the Desktop**
  Allan Hanlon, Esko-Graphics, Inc.

- **Sheet Cleaning on High Graphics Flexo Presses**
  Gary Wasch, Doyle Systems

- **Continuous Run Flexographic Preprint with Belt Technology**
  L. C. “Chip” Schiffenhaus Jr

- **Integrated VMI Planning**
  Bart Verbruggen, OM Partners USA

- **Providing Solutions for Today’s Slitting and Scoring Needs**
  John Sofinowski, MarquipWardUnited
8:00 a.m. - 10:00 a.m.  
Session: 6  
**HRD/Safety and Product Security**

**Session Chair**  
Rich Morrison, Automated Conveyor Systems

6 – 1  
**HACCP Certification**  
Dave Carlson, Smurfit Stone Container Corporation

6 - 2  
**Ergonomics**  
Frank Cordier, Smurfit Stone Container Corporation

6 – 3  
**Diversity in the Workplace**  
Ellsworth Townsend, Weyerhaeuser

Learning Outcomes  
- Make the respect for diversity personal.  
- Create a culture of respect.  
- Be fair and treat everyone as a person.  
- Make a place for good people  
- Never give a position to someone for the sake of diversity.

8:00 a.m. - 10:00 a.m.  
Session: 7  
**Corrugating/Corrugating Maintenance (Repeated from Wednesday)**

**Session Chair**  
Jim Carbone, Harper Love Adhesives Corporation

7 - 1  
**Corrugated Board Bonding**  
Roman Skuratowicz, Corn Products International  
Randy McDaniel, Corn Products International

Learning Outcomes  
- Factors that affect bonding on the corrugator, such as paper conditioning, temperature, adhesive and machine conditions  
- Evaluation of bonding performance and issues, gluelines and fiber tear  
- Bond testing – dry and wet pins

7 - 2  
**Warp in Corrugated Board**  
David Vollick, Smurfit Stone Container Corporation  
Chuck Shaffer, Weyerhaeuser Company

Learning Outcomes  
- What is it?  
- What causes it?  
- What can you do about it?  
- Simple tools to aid in trouble shooting warp

7 - 3  
**Splicer Problem Solving**  
Ray Zindrick, DT Services

Learning outcomes:  
- Splice sequencing (SNRCBAR)  
- Tension Control (Brakes)  
- Splice sealing Nip Rolls (Parallel)  
- Upkeep (Air supply, cleaning)

7 – 4  
**How to Use Optical Temperature Measurement in the Box Plant**
Steve Schmidt, Copar Corporation

Learning Outcome
- How to use temperature measurement to help production, troubleshooting, and maintenance

Heat Transfer on the Corrugator
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Learning Outcomes

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10:30 a.m. - 12:30 p.m.
Session: 8

Converting/Converting Maintenance (Repeated from Wednesday)

Session Chair
Richard White, Harper Machinery Corporation

8 - 1

Manufacturer’s Glue Joint Best Practices
Rhonda Nichols, International Paper
Jeffrey O’Cull, Temple Inland Corporation
Frank Charbonneau, Smurfit Stone Container Corporation

Learning Outcomes

- Understand minimum requirements for making a good glued box joint
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- Share knowledge with their team using the best practices guide

8 - 2

Die Cutting Anvil Cutters – Complete Optimization
Brian Patten, C.U.E. Inc
Learning Outcomes
- Understand how the anvil cover affects the die cutting process
- Audit your own process - Establish a baseline
- Understand the costs associated with your process
- Take time to run smarter - Process Optimization

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Ink: Troubleshooting and PM  
Bob Cantu, Sun Chemical Corporation  
Charles Hague, Sun Chemical Corporation

Learning Outcomes
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- Plates - soft or hard, conventional or digital
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8 - 4  
Anilox Rolls – Controlling the Process, Troubleshooting and PM  
John Bingham, Pamarco Global Graphics  
Shane Weber, Pamarco Global Graphics

8 – 5  
Bearing Clearance, TIR, Speed Ratios, Gap Clearances and Their Impact on Corrugated Board Compression  
Steve Biller, MarquipWardUnited  
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8 – 6  
The Correct Approach on Flexos and Die Cutters  
Dick Target, OnTarget Consultants

This presentation will give the attendee a clear definition of the proper activities that should occur during a scheduled PM

Learning Outcomes
- Clear Expectations of What is a Machine PM
- Identification of Wear Items.
- Tooling Specifications.
- Proper Machine Calibration  
  Centerlining  
  Time & Register

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Printing Plates Repairing Care and Handling  
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Learning Outcomes
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8 – 8  
Cutting Dies/Cutting Die PM  
Richard Putch, DICAR, Inc  
John Harmon, DICAR, Inc

8 – 9  
Maintaining Box Compression Potential  
Jim Pauw, Smurfit MBI  
Ben Frank, Packaging Corporation of America

Learning Outcomes
• Increase their understanding of box failure mechanics
• Identify key parameters to measure on their board and boxes to ensure they maintain box strength
• Understand common problems that can occur in finishing to reduce box strength

10:30 a.m. - 12:30 p.m.
Session: 9  HRD/Safety and Product Security (Repeated from Thursday morning)
  
  **Session Chair**
  Rich Morrison, Automated Conveyor Systems

9 – 1  HACCP Certification
  Dave Carlson, Smurfit Stone Container Corporation

9 - 2  Ergonomics
  Frank Cordier, Smurfit Stone Container Corporation

9 – 3  Diversity in the Workplace
  Ellsworth Townsend, Weyerhaeuser Company

  **Learning Outcomes**
  • Make the respect for diversity personal.
  • Create a culture of respect.
  • Be fair and treat everyone as a person.
  • Make a place for good people
  • Never give a position to someone for the sake of diversity.

12:30 p.m. – 2:30 p.m.
Committee Meetings/Technical Presentations and Lunch

  **CORBOTECH Committee Meeting**

  **CORBOTECH (Corrugated Board Technical Service Committee) description:** This committee provides technical assistance to mills, container plants, and box customers in resolving board and container problems by promoting information exchange and communication between all elements of the process and distribution cycle.

  **Presentation:**
  • A brief look at the Corrugator of the Future
    Jeff Pallini and Dave Kuitek, Fosber America

  **Engineering Committee Meeting**

  **Engineering Committee description:** This committee focuses on the design, maintenance, and engineering of buildings and equipment used in manufacturing corrugated board and associated products and materials. The committee collects information on rotary die cutting, dimensional accuracy control, and plant energy. The committee also develops guidelines for buying and selling used corrugated machinery.

5:00 p.m. – 6:00 p.m.
Supplier Advisory Committee Meeting

  **The Suppliers' Advisory Committee is responsible for advising the Division Chairman on policies and procedures for the administration of the Division affairs. In particular this committee should represent the views of the supplier members of the Division.**
Friday, September 15

7:30 a.m. - 8:00 a.m.
Session: 10 CorrPak Competition Awards Ceremony
    **Session Chair**
    Cordes Porcher, P-Squared

8:00 a.m. - 10:00 a.m.
Session: 11 Keynote Address – Coyote Power
    **Keynote Speaker**
    Joel Weldon

10:00 a.m. - 10:30 a.m. BREAK

10:30 a.m. - 12:30 p.m.
Session: 11 cont’d Keynote Address – Coyote Power
    **Keynote Speaker**
    Joel Weldon