Paperboard Packaging Seminar

Location: Harris A. Smith Auditorium

Day 1

8:00  Introductions and Program Overview

8:10  **Paperboard Substrates and Applications**
An introduction and hands-on comparison of folding carton substrates including SBS, CUK, UKB, CRB, URB, and FBB.

9:30  Break, Group Photo

9:45  **Applications Breakout**
Hands-on activity

10:15 **Paperboard Manufacturing**
Board manufacturing including harvesting operations, planting, transportation, and mill operations.

11:00 Stretch Break

11:10 **Coating and Finishing**
Combined materials including the application and benefits of pigments, binders, and additives to the surface of folding carton surfaces.

12:00 Lunch + Sonoco Institute Tour

1:10  **Appearance Characteristics of Paperboard**
Descriptions and hands-on application of the most relevant process and product quality control testing including color/shade, gloss, and brightness.

1:50  **Surface Characteristics**
Process and product control testing including smoothness, slip, receptivity, water vapor, and gluability.

2:30 Stretch Break

2:40  **Physical Characteristics**
Process and product control testing including basis weight, thickness, tensile, stretch, internal strength, surface strength, burst, stiffness, compression, tear strength, and curl.
4:10 Structural Design
A description of collaborative design including physical, functional, and marketing aspects; steps in design and prototyping; classical box styles, and award winning concepts.

4:50 Summary, Review

5:00 Adjourn

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Day 2

8:00 Announcements, Review

8:10 Fiber Certification & Package Labeling
The appropriate use of information placed on boxes including claims, certifications, and seals of approval.

8:40 Design Breakout
Hands-on activity

9:30 Break

9:45 Pre-press
Graphic design, image assembly, color separation, proofing systems, digital screening, and extended gamut.

10:30 Sheeting
Equipment, operations, procedures, and best practices.

11:00 Stretch Break

11:10 Printing Processes
Offset Lithography

12:00 Lunch

12:45 Printing (cont’d.)
Flexography, Gravure, and Digital Print

2:00 Stretch Break

2:10 Post-Press, Die Cutting, Scoring, and Finishing
The equipment, tools, and procedures around cutting, scoring, perforating, folding, and forming folding cartons.

2:50 Folding, Gluing, Assembly, and End Use
An examination of carton folding, gluing, assembly, filling lines, case packing, and palletization.

3:20  Summary, Review

3:30  Adjourn