



SONOCO
INSTITUTE
CLEMSON® UNIVERSITY

Corrugated Packaging Seminar

Location: Harris A. Smith Auditorium

Day 1

8:00 Introductions and Program Overview

8:10 Industry Overview

A scope and size description of the North America and Global Container Board and Corrugated Packaging Industries.

8:25 Container Board Grades

An introduction to liner board and medium materials common to corrugated packaging.

9:30 Break, Group Photo

9:45 Container Board Manufacturing

Board manufacturing including harvesting operations, planting, transportation, and mill operations.

10:30 Corrugated Board and Applications + breakout

Combined materials including single face, single wall, double wall, triple wall, flutes, and combinations.

12:00 Lunch + Sonoco Institute Tour

1:00 Corrugated Board Production

An introduction to corrugator systems including roll stands, single facer, doublebacker, gluing, slitting, scoring, cutoff, and stacking. Attention is given to adhesives, water, mechanics of the bond, and prominent defects.

2:00 Stretch Break

2:10 Characteristics of Containerboard and Combined Board

Descriptions and hands-on application of the most relevant process and product quality control testing for appearance, surface, and physical properties.

3:50 Stretch Break

4:00 Packaging Performance

Box performance factors including material selection, design elements, best practices, and environmental effects.

4:50 Summary, Review

5:00 Adjourn

Day 2

8:00 Announcements, Review

8:10 Structural Design + breakout

A description of collaborative design including physical, functional, and marketing aspects; steps in design and prototyping; classical box styles, and award winning concepts.

9:30 Break

9:45 Package Labeling

The appropriate use of information placed on boxes including claims, certifications, and seals of approval.

10:10 Pre-press

Graphic design, image assembly, color separation, proofing systems, digital screening, and extended gamut.

10:40 Corrugated Package Printing

Descriptions and application of flexography for corrugated boxes.

11:00 Stretch Break

11:10 Printing (cont'd.)

Offset Lithography, Gravure

12:00 Lunch + ISTA Test Lab Tour

1:30 Printing (cont'd.)

Digital Print

2:30 Die Cutting, Scoring, and Finishing

The equipment, tools, and techniques used in converting printed, corrugated board into user-ready boxes.

3:20 Summary, Review

3:30 Adjourn