Print Media Center Americas.
Advanced Print Fundamentals.



Speedmaster® XL 106 8-P+LX4 with InkStar®.

Overview

Learn the critical elements of running an offset printing press. Operators will gain an understanding of printing pressure, roller settings, chemistry, and color control that will help them to achieve the highest level of quality and throughput.

Introduction

The objectives of the class are to gain knowledge in the basics of press knowledge and how these individual factors must be optimized to reach peak performance.

Topics

- Substrates
  - Types
  - Grain direction
  - Effect on climate/sustainability
  - Static electricity
  - Printing pressure
- Chemistry
  - Roller settings
  - Ink/water balance
  - Plates
  - Blankets
- Coating
  - UV vs. Aqueous
  - Blanket vs. Plate
  - Two roller system vs. Anilox roller
  - Resolving coating issues: drying, orange peel effect, foaming, ink piling
- General Troubleshooting
  - Streaking/ghosting
  - Offsetting
  - Color fluctuation
  - Mottliness/graininess

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