

Web Spreading abstract:

This presentation is meant to be a basic tutorial into why spreader rolls are needed, their application and operating principals. Though there are many types of spreader rolls, this presentation will cover 5 basic types, including:

- 1) Crowned and Concave idler rolls
- 2) Grooved rolls
 - a. Rigid (metallic or hard rubber) grooved rolls
 - b. Flexible (soft rubber surface) grooved rolls
- 3) Nip type (angled on each edge of the web)
- 4) Curved axis (bowed) rolls and bars
- 5) Expanding Surface rolls
 - a. Slat expanders
 - b. Rolls with polymer bands
 - c. Continuous expanding rubber surface