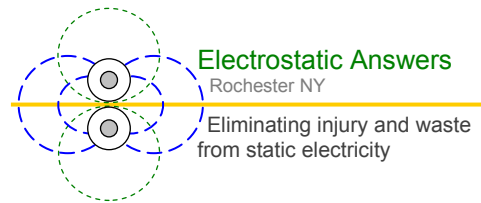


17 February 2012



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Submitted for presentation:

## AIMCAL 2012 Web Coating Conference

October 22 - 26, 2012

Myrtle Beach Marriott

Myrtle Beach, South Carolina

### Laminator Static Control

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#### Abstract

Static charge sealed inside a laminate cannot be neutralized. Static charge must be neutralized on the interior web surfaces prior to lamination. Presented here is an analysis of static control for a line with two unwind turrets, a corona treater, an adhesive coating station, a dryer, a laminator, and a winder. Three key insights are that (1) static charge remains on the web through the coating process, (2) transport through the dryer can be a significant source of static, and (3) the polymer nip roller in the laminator is a significant source of static. The static control system needed to have a static free web entering the winder is described with the rationale for each dissipater.