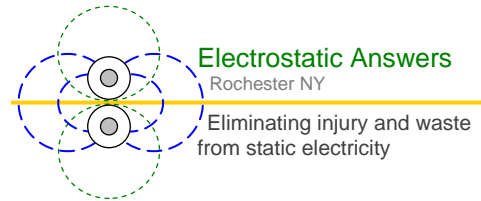


19 September 2012



Submitted for presentation:

ICE USA 2013
April 9 – 11, 2013
Orange County Convention Center
Orlando, Florida, USA

Roll-to-Roll Manufacturing Static Control Best Practices

Kelly Robinson, PE, PhD
Electrostatic Answers
15 Piping Rock Run
Fairport, NY 14450
kelly.robinson@electrostaticanswers.com
585-425-8158

Abstract

Innovations in roll-to-roll manufacturing process technologies have enabled the production of a wide variety of new products including high performance laminates, flexible electronic circuits, electronic displays, solar cells, and biologically active sensors. These products each have carefully designed surfaces that provide high value to the end product. Sensitivity to static discharges and contaminants attracted to the web by static charges demand high performance static control systems. Best practice static dissipater installations for unwinders, tension control nip rollers, corona treaters, coaters, dryers, lamination nips, and winders are designed to achieve excellent static control throughout the supply chain.