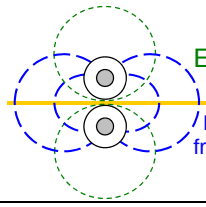
2 January 2014



CEMA 2014 Fundamentals Seminars

Hilton Woodcliff Lake
Woodcliff Lake NY, April 7-9, 2014

Static Control Best Practices for Coating and Converting

Kelly Robinson, Electrostatic Answers

Static electricity causes a number of problems including igniting solvent vapors, shocking operators, causing sheets to stick together, and attracting dust and debris to finished product. This presentation shows that the best strategy for dealing with static electricity is to neutralize static charge at the source of charging. You will learn why it is ineffective to neutralize static at the end of a process just prior to winding a finished roll. We will review the sources of static charging and discuss where to put static dissipaters to effectively neutralize static charge. Space for static dissipaters should be included in the design of converting equipment. Our session concludes with a review of the commercially available static dissipaters including advice on when it is effective to use economical passive dissipaters such as static brushes and ionizing string. And, we will see that some applications require higher performance active static bars.

SPEAKER BIO

Kelly Robinson founded Electrostatic Answers, an engineering consulting company dedicated to eliminating injury and waste from static electricity. Dr. Robinson is a Professional Engineer (NYS) with more than 25 years of industrial problem solving experience. He earned his PhD in electrical engineering from Colorado State University, is a Patent Agent, and is a Fellow of the IEEE cited for contributions to electrostatic performance of manufacturing processes. His journal articles and patents contribute to static control in roll-to-roll manufacturing and electrostatic instrumentation. Kelly is a contributing editor for Paper Film & Foil Converter and writes “Static Beat,” a column on static control.