Static Elimination
Eliminating Injury & Waste from Static Electricity

APC hired Kelly Robinson, PE, PhD of Electrostatic Answers, a static elimination expert, to conduct static assessments at all our facilities. Dr. Robinson, is a Professional Engineer licensed in New York State, an IEEE Fellow cited for: "contributions to electrostatic performance of processes and imaging devices." Our ultimate goal is to provide our customers with a product that is of a controlled minimal static which correlates to a far superior label, a label that will run on packaging machines free of static related concerns.

The Project:

≈ Completed evaluations of all manufacturing equipment – Presses, Extruders, Slitters
   ↣ Including Powered Industrial Trucks, Ink Storage and Flammable Storage areas
≈ Received reports with measurements of static levels and recommendations to improve static control to eliminate static discharge and to mitigate static accumulation
   ↣ Measured static charge levels from the beginning to the end of all processes, determined the sources of static charging, and identified the best ionizer locations to dissipate static electricity
≈ Provided recommendation on types of static elimination equipment to use (both passive and active)
≈ Assisted in the evaluation and writing of SOPs for
   ↣ Raw material (film) static testing on incoming materials
   ↣ How to conduct routine equipment testing to ensure static elimination equipment and reduction results are sustained

The Benefits:

≈ Safety
   ↣ Reduce static discharge and remove the potential for static fires
   ↣ Add safeguards by identifying high static material which causes employee handling safety issues
≈ Quality
   ↣ Identify high level static on incoming raw materials
   ↣ Improves print quality by removing static from web at print decks
   ↣ Mitigate static accumulation in products going to customers
   ↣ Improves material use and handling at customer’s facilities
   ↣ Reduction in static yields a reduction in product contamination
      Attract less dust/debris/hair/bugs resulting in a cleaner end product
≈ Endorsement
   ↣ APC experience with Dr. Robinson is shared with customers and his services are recommended to those needing assistance with machine static reduction

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