

Static Control for a Roll-to-Roll Manufacturing Process

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Abstract—Static sparks shock operators, damage machine control systems, ignite flammable vapors, and change the surface chemistry of carefully formulated products. Static charges attract contaminants and cause coating non-uniformities. Prevent injury and waste from static electricity on web conveyance lines by improving static control using 4 steps.

- 1. Identify static sensitive operations.**
- 2. Find Sources of Static Charging.**
- 3. Install static dissipators.**
- 4. Implement maintenance and verification procedures to maintain good static performance.**