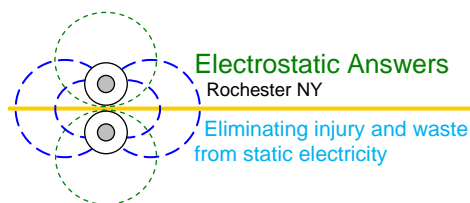


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Fault Tolerant Static Control

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Abstract

Static ignitions in solvent coating operations occur when something goes wrong. Common faults such as the failure of a static dissipater, a splice failure, or a solvent pump failure are reviewed to show how they resulted in solvent fires. Fault tolerant static control prevents incendive sparks in the event of a single failure. The design strategy for fault tolerant static control is presented and implementation for a typical 1-station gravure coater is presented.