



Power Performance
for the Digital Age



What is the cost of your downtime when your sensitive electronic controls fail?



Ninety percent - 90% - of power quality issues are caused by the operation of your own equipment.

The advantage of the EP Power Performance System is its unique ability to absorb the harmful transient surges and high frequency noise rather than returning these damaging anomalies back into the ground or connected electrical system.

EP Products Specified:

- EP-2000 Field Protection
- EP-2500 Switchgear Protection
- EP-2700 High Frequency Filtration
- EP-2750 Ground Filtration



WHEELING CORRUGATED, Florida

The Situation:

Wheeling Corrugated utilizes high end CNC machines for metal forming which was producing excessive scrap material from **intermittent program loss**. The facility was also regularly replacing high bay lighting assemblies from reactive power burning out the electronic ballasts. Automation machinery would operate in an unpredictable manner creating a safety issue. Wheeling Corrugated is located in an area on the south-west coast of Florida, making the **operation susceptible to periodic lightning storms** throughout the year.

The EP Solution:

Wheeling Corrugated installed EP-2500, EP-2000, EP-2700, and EP-2750 devices to attenuate the considerable high frequency contribution coming out of the switch mode power supplies in the control cabinets, the feedback from Variable Frequency Drives in the process automation line, and affixed to massive overhead cranes.

The Result:

The intermittent and unpredictable equipment operation has been prevented. The CNC machine required a subsequent reprogramming post-installation as the equipment was receiving a sinusoidal waveform allowing for its proper operation. The lighting issue has been addressed, and Wheeling Corrugated envisions a full installation across the distribution system. Additional EP-2750 units have been added to clean up the ground system for the sophisticated electronics used in metal forming. The facilities management team feels confident that they are prepared for the annual tropical storm season, and has committed to additional units as deemed necessary. EP is also providing a new EP-2700 design for limited installation environments to enhance the system performance in large facilities that envision distribution system coverage over time.