

# PureWave UPS System Shows What It “Can” Do



In the interest of increasing production capability, a large manufacturer of lithographed cans, located in the Southeast, undertook a project to upgrade their facilities. Among the enhancements made were the installation of energy-efficient adjustable-speed drives and sophisticated electronic controls and safety equipment on their gas dryers. These dryers are a sensitive and important part of their manufacturing process.

Unfortunately, the new drives and controls demonstrated high sensitivity to voltage fluctuations in the plant's power supply. Located in an area of the country where thunderstorms are a common occurrence, the plant began to experience expensive production interruptions, material spoilage, and motor burnouts . . . which greatly impacted upon their ability to meet customers' delivery schedules.

Plant management discussed the aforementioned problems with the local utility serving their facilities, who then subsequently sought guidance from the Electric Power Research Institute. Several solutions were suggested, including the application of uninterruptible power supplies. But traditional distributed, low-power UPSs were judged to be inappropriate for the application because of the plant's high load requirements. This solution would also be cost-prohibitive.

## **What did they do?**

Upon reviewing all the options, the local utility concluded that the best solution would be a single, high-power UPS serving all critical plant loads, located at the service entrance. They selected a low-voltage (600-volt class) PQ2000 Power Protection System from Omnicion Power Engineering Corporation . . . now available as the S&C PureWave UPS System.

## **Results**

Since its installation, the S&C PureWave UPS System has saved time and money, and eliminated worry for plant management. According to the plant manager, in its first year of operation, the PureWave UPS System reduced production spoilage by 30% and increased productivity by 18%. To quote him, "The PQ2000 has had a very positive effect on our bottom line."

The U.S. Department of Energy is currently studying this installation to measure the true economic impact the PureWave UPS System has had.

