

# Application Highlight:

## Refuse Bag Manufacturer Upgrades Obsolete PM550 Controller to 2500 Series™

**Powerpack** is a Belgian-based manufacturer of waste & refuse bags and also produces all kinds of industrial films. Due to its high quality products, its respect for its partners, and recognizing the fact that the company's responsibility is to operate with due concern for the general environment, Powerpack has become the main supplier in Belgium for many municipalities, cities and communities. With established master customers in the Netherlands, France and Germany, Powerpack has evolved into the European Grocery Retail Market as well.



### The Project

An existing bag production lines was controlled by a Texas Instruments PM550 process controller that went down due to a hardware problem. The information about the setup of the line was not available completely and therefore a new PLC was needed supporting also the same instruction set.

Prodek, the Benelux CTI distributor supplied a new 2500 Series™ processor and I/O. With the support of Cuyten Maintenance Services, a local systems integrator, the new processor and I/O was built into the existing cabinet. A VPU200 was used to recover



the program from the old system, and it was converted for a CTI 2500-C200 using PLC Workshop. All the PM550 instructions are available in the CTI 2500 Series™ Processor – only some special functions needed an adjustment. The conversion changed existing references of CR's into C's, C memory changed into K memory and Special Functions into S memory.

### Upgrade Result

Since the CTI 2500-C200 covers the instruction set of the PM550, it was possible to convert the program without knowledge of the production line. In a few days the system was rewired and the software was converted. Some settings that were adjusted by switches and read out by displays, are now controlled by a small operator panel. The performance has been increased and the customer is very happy with the new CTI 2500-C200 processor. A short training on how to troubleshoot with Workshop and how to use the operator panel completed the conversion.



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