

B&B Electronics Improves Efficiency at Baked Goods Plant

Industry: Industrial Automation and Manufacturing
Product: Ethernet to Serial Server

• The Challenge

A contract manufacturer for baked goods had recently installed a new packaging line. The upgrade introduced an industrial Ethernet network to the plant and was very successful. The process engineer wanted to use this new technology to optimize the efficiency of baking ovens on the baking line. But the thermometers, level sensors, scales, and conveyer system all communicated via RS-485. None of this equipment was near its end-of-life and it represented a huge capital investment. Replacement was out of the question. The company needed a cost-effective way to link the packaging line to the Ethernet.

• The Solution

B&B Electronics provided an Ethernet serial server. Designed for industrial applications, the serial server was rugged enough to take its place on a factory floor while connecting the RS-485 ports to the new Ethernet network. Suddenly the entire line could be monitored and controlled from the factory control room.

• Why B&B Electronics?

The product was easy to set up and integrate into the existing system. The Ethernet pass through port allowed the product to be daisy chained without purchasing additional switches. The company preserved its legacy equipment investment and increased plant floor productivity at the same time.

• The Product

Vlinx™ Model VESR922T – Ethernet to Serial Server

- Expansive serial, fiber combinations
- Wide temperature and power ratings
- Slim, industrial DIN rail mount enclosure
- Web-based management
- Optional second Ethernet pass-through port



V LINX™
Ethernet Serial Server
Model VESR922T