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Multi-Line Custom Product Handling System



This System represents one of *Wrabacon's* more extensive design successes in developing, programming and manufacturing multiple, interacting components for a food processing corporation. The system accepts trayed product from one of three production lines, orients and transfers product to a freezer infeed conveyor, then receives product from the freezer, places them in the required orientation and conveys them downstream.

Of the system's seven components, the four shown above are the infeed units: a 42" wide freezer crossfeed conveyor nearly 23' in length that is fed by three production accumulation sections, each with its own product orientation and feed system. The cross conveyor's speed is matched to the speed of the freezer belt by means of an encoder which will automatically be adjusted to accommodate a change in products.

The output side units accept frozen product discharged from the freezer, orients it as required, and conveys it to a metal detector. After passing the metal detector, the *Wrabacon* conveyors transport the product to a cartoner and/or a shrink wrapper.