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Custom Pouch Handling System



Employees having to manually count the number of products that go into a carton can be both time consuming in the overall production process and sometimes result in customer dissatisfaction when the advertised amount per carton is incorrect.

Wrabacon designed this unique Custom Pouch Handling System to eliminate those problems for a manufacturer, and designed and programmed the system so it could be inserted into the middle of an existing production line. The infeed end of the system was manufactured to a height that mated with existing equipment, while the outfeed end was elevated to accommodate employees. This particular system was designed to accept seven lanes of filled pouches at a rate of 50 per minute/per lane for a total output of 350 pouches per minute.

Pouches are conveyed upward to a continuous motion conveyor that is programmed to run at a slower speed than the infeed conveyor. Pouches are automatically counted as they are placed on the slower conveyor in a "shingle" formation. When the correct number of pouches is sensed, the conveyor momentarily speeds up, creating a gap between the groups. Thus, upon arriving at the employees' stations, it becomes merely a matter of picking up the pre-counted group and placing that group in its carton.

Wrabacon can design and manufacture a similar system to accommodate most any type of product.