

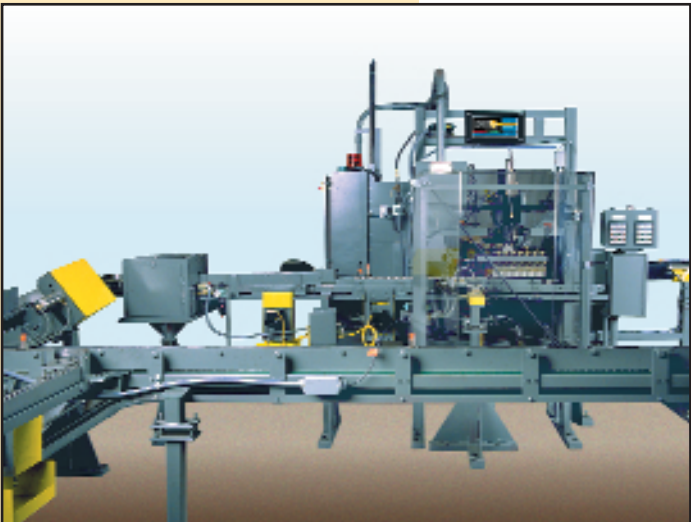
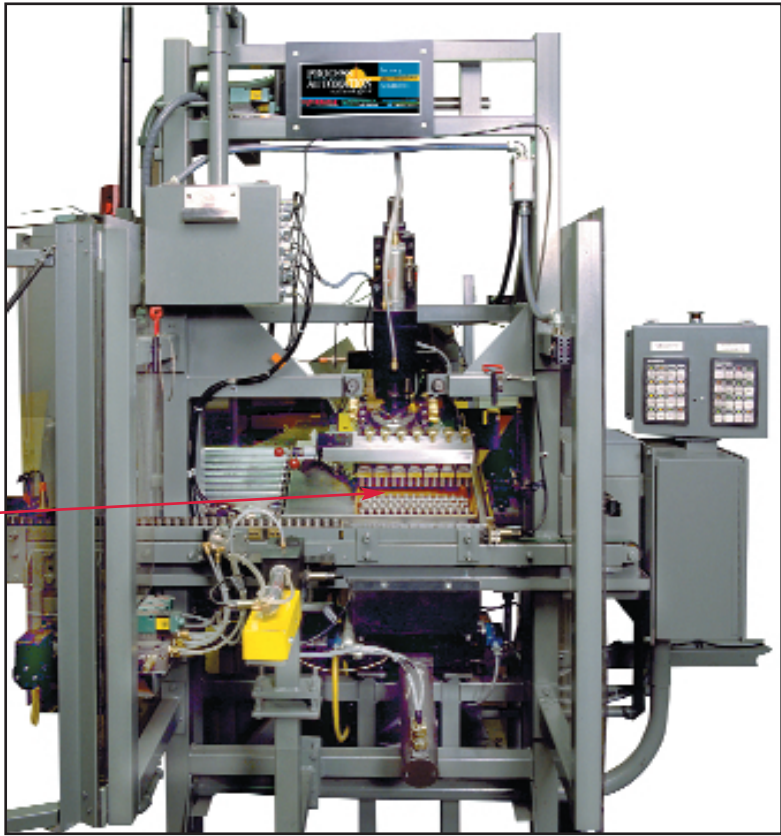


Automation Solutions for Industry

### Inspection and Packaging System

This picture shows the packaging portion of the system. The system handles multiple diameters of cylindrical parts.

Cardboard boxes are brought to the load station on a powered conveyor & discharged on a roller conveyor for operator off-load after filling. Parts are conveyed to the packaging station from multiple process machines after being dispensed by an escapement in various quantities for the particular package being run. A swing arm style pick & place unit picks up the batches of parts from the conveyor and places them patterned into the boxes. The cardboard box is cradled in a two axis servo-controlled slide after being escaped from the powered conveyor. The box is held at the angle matching the pick & place unit for loading. After filling, the loaded box is moved to the discharge roller conveyor and transferred. The cycle then repeats.



This picture shows some of the material handling and inspection conveyors to the packaging machine shown in the background.

Multiple process machines running the same part number pump the parts into horizontal tracks to a dual lane conveyor. At the discharge end a pump combines the two lanes transferring them to an inspection station on a single lane conveyor. The last conveyor to the packaging machine has a blow off station, a laser marking station and an escapement which releases batches of parts to the packaging machine pick-up station.

Building better manufacturing environments through process-specific automation technologies.