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Packaging of Oral Drug Delivery Device

DTE recognizes that time to market is a critical factor for the successful introduction of Pharmaceutical products. The packaging operation in manufacturing is often one of the obstacles to fast product introduction especially if standard equipment cannot be utilized. DTE has provided customized pharmaceutical packaging lines which enabled our customers to get their products to market ahead of their planned product introduction timeframe.



System Overview

DTE can provide customized packaging lines which consist of standard thermoforming and cartoning equipment in combination with our custom material handling and vision inspection systems. For the packaging of an oral drug delivery device, DTE provided a packaging line consisting of a robot for populating blisters, a thermoformer, vision inspection systems, a robot for blister transfer and a cartoner. The system was shipped 8 weeks ahead of schedule and the user exceeded production schedules within 3 weeks of installation. A second system was provided in the following year and it was operational 3 days after user site installation.



System Values & Benefits

- High Output-Up to 300 parts per minute
- Product changeover in less than 15 minutes
- Tamper proof carton packaging
- Bar code verification Product inspection
- Uptime greater than 98%

System Highlights

- Custom part feeding equipment
- Custom gantry robot for product feeding
- Vision inspection system for lot and date code
- Standard horizontal blister forming machine
- Vision inspection system for product quality
- Multi color printing system
- Blister accumulation system
- Blister inversion, rotation and nesting
- Standard automatic cartoner
- Automatic instruction leaflet insertion
- Automatic weight checking
- Metal detection feature
- Optional case packing & palletizing
- Allen Bradley Controllogix Platform