



# MACHINE VISION TECHNOLOGY

## High Speed Tablet Inspection

The MVT can check 100% of products, even on high speed lines, allowing statistical process control (SPC) to be used to monitor any variations in quality. Applications include print recognition and verification (OCR/V), including verification of date/lot codes, checking the presence of all components and colour checks in pharmaceutical devices.

**Vision technology has been used on tablet inspection to implement quality control by finding damage to the outer coating, performing colour measurements and checking size and shape.**



### Vision Tablet System Ability

- Can check both flat and convex tablets
- Presence and quality check of multiple characters stamped in both surfaces using OCV (Optical Character Verification)
- Confirm the presence of logos and dosage values, including the presence and position of drug release holes
- Check for surface defects such as cracks, chips and protrusions. For transparent capsules, or soft gel type, check for bubbles and contamination
- Check the top/bottom face plus the two sides and as much as the ends as possible
- The length of a capsule or tablet can be up to a maximum of 27mm.
- The maximum tablet or capsule width, or maximum diameter for a round tablet, is 15mm with 5mm as the minimum.
- Alternative sizes can be catered for upon receipt of samples

### Prevents -

Accidental product mixing  
Shipping of Incorrectly marked tablets to customers  
Shipping of faulty tablets to customers

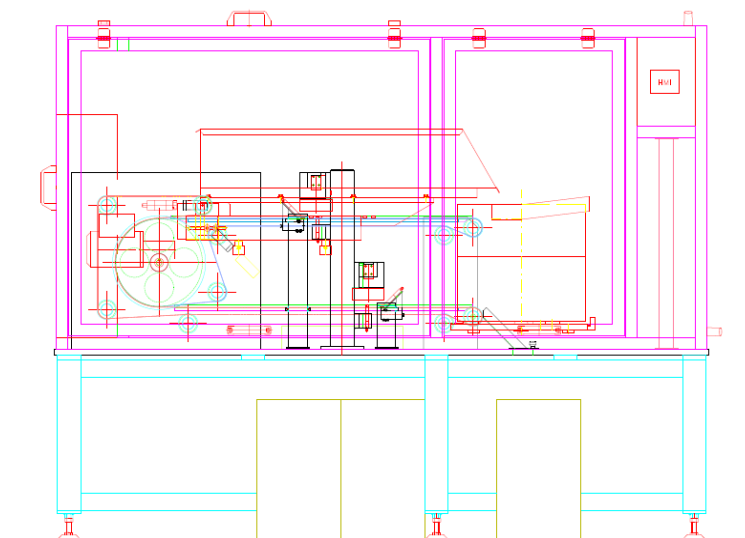
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## Hardware and Software Specification

- A 600mm diameter bowl feeder in Stainless Steel and a variable speed controller
- A 65L bulk hopper in SS and FDA approved polyurethane sprayed
- A speed of 800-1000 tablets per minute
- Outputs onto a conveyor, with turnover, and a reject sort facility
- Double speed progressive scan cameras, and lighting mounted along the conveyor
- Interchangeable conveyor belts for product cleanliness with easy changeover
- A high speed P.C with a 17 inch LCD display mounted in a SS enclosure
- The software complies with FDA requirements, all documentation is to CFR21 pt 11, with fully validated version option.
  - Manu driven software with product selection
  - Live display of current tablet
  - Live display count of total parts and rejects
  - PLC control with panel display
  - Footprint of 1.1x2.3x1.8 high plus electrical cabinet
- The system is designed to Pharmaceutical standards

All our tablet inspection systems are supplied with installation and on site commissioning. Including twelve months warranty, this includes telephone and on site support.

### ***ELIMINATING YOUR WEAKEST LINK***



If you would like further details or you have any questions then please contact -

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