

TIS

HIGH SPEED TABLET INSPECTION SYSTEM



EVERY TABLET 
PERFECTLY INSPECTED

- The Tablet Inspection System is one of the most reliable machines for online inspection of each tablet for colour, size, and shape.
- The Tablet Inspection System is equipped with the latest technology, advanced electronics, and an elegant design.

Defect Capability

• These are the most common defects accurately detected by the TIS during the inspection process.

ROUND TABLETS	BRIGHT DOTS	SIZE VARIATION	CRACKS	100 % Surface Inspection of Each Product 
	COLOUR DEVIATION	DARK DOTS	SHAPE VARIATION	



Features



- Quick changeover process for product changeover.
- System design as per GMP standard.
- 21 CFR Part 11 Compliance with report generation.
- Pharma grade SS 304 & aluminium material of construction.
- Both-side tablet inspection with high resolution colour camera.
- Powerful lens for optimum zooming of the object.
- High-precision mechanism for individual defective-tablet rejection.



This Tablet Inspection System is a standalone machine designed to inspect tablets, accurately sort good products for storage, and automatically divert defective tablets into the rejection bin.

TECHNICAL SPECIFICATION



Application

Tablets & Capsules



Speed

Up to 200,000 products/hour



Electrical Connection

230–400 V AC



Compressed Air

Up to ~ 6 Bar



Dimensions L x W x H

L = 1860 mm
W = 860 mm
H = 2145 mm



Weight

~ 600 kg



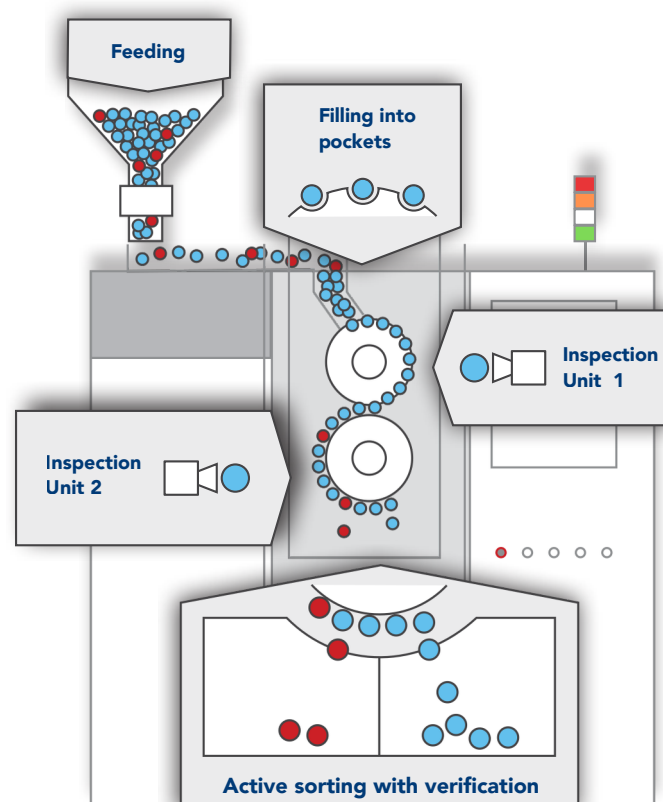
Construction

CE, GMP, FDA
Acceptable
Materials

The product flow in TIS starts products are fed from the input container to the filling unit. The filling unit fills the products into pockets of an upper inspection cylinder, where the products are held in a defined, stable, and repeatable position by vacuum.

The rotating upper inspection cylinder transfers the products to the first side inspection unit, where the top surface of the products is imaged. The products are then transferred to the lower inspection cylinder to the second side inspection units where all remaining surfaces are imaged.

The acquired images are then analysed and each product is classified as good or defective. The sorting unit actively sorts individual products into bins for good and defective products and verifies if the sorting was performed correctly. The inspection process is monitored and controlled by graphical user interface.



● Defective products ● Good products

ABOUT US

Utopia Optovision develops machine vision solutions for the pharmaceutical industry for dedicated applications. Stringent quality management and innovative technology are the cornerstones of all our operations.

This translates into an ability to deliver quality products at competitive prices, one of our unique strengths. With in-depth experience in advanced Electronics, Mechanical, Software & Optical Systems design, development & manufacturing. Utopia Optovision has the strategic and engineering capability to meet the complex needs of majors Pharmaceutical companies both in India and overseas.



OUR STRENGTH

- In-house Design, Development & manufacturing of Electronic, Electrical, Mechanical Software & Optical systems.
- Capable to provide customised solutions for critical applications for strategic customers.
- 25+ years of expertise in Pharmaceutical Packaging & Industrial Automation.
- Service infrastructure available for pan india with 20 + well trained Service Engineers.
- 500+ Installations Across 250+ Production Lines

.....



Utopia Optovision Pvt Ltd

Address : P - 4/1, Information Technology Park, Old MIDC, Satara, Maharashtra, India 415002.

Mobile No. : +91 8459614126

Email ID : salesupport2@utopiaoptovision.com

Website : www.utopiaoptovision.com