

## Tablet Visual Inspection System

TVIS-EX3

Item		Specifications	
Inspection Functions	Applicable Tablets	Un-coated, film-coated, sugar-coated tablets; tablets with printed mark on one or both sides; scored tablets; tablets with engraved mark	
	Tablet Size	Circular tablets: 5-12 mm in diameter and 2-8 mm in thickness Shaped tablets: 5-12 mm in width, 2-8 mm in thickness, and 5-21 mm in length Non-standard shape tablet is also applicable.	
	Inspected Items	Dirt, scratch, adherence of foreign particle, crack, chip, deformation, different color, discoloration, scratchy print, blurred print, hair, mottled tablet, etc. (Algorithm to improve inspection accuracy has been added)	
	Inspected Surfaces	Face, back and side	
	Inspected Accuracy	Defects equivalent to a 50m square black speck	
	Processing Capacity	350,000 tablets/hour (actual value; dia. 6 mm). The value varies according to the size and shape of tablets.	
Hardware	Transfer Subsystem	Hopper	Capacity: 12 L
		Vibratory Feeder	Transfer capacity: Max. 8000 tablets/mm.
		Flow-Control Turntable	600, t 0.5, 0 - 60 rpm
		Conveyor Units	Suction disc conveyor unit, suction belt conveyor units
		Rejection Unit	Pneumatic system
	Inspection Subsystem	Camera	CCD line sensor camera x 6*2
		Monitor/Communication	Terminal Computer (Windows XPe)
		Judgment Processing Unit	Microcomputer, high-speed processor, signal processing analog board
	Rejection Subsystem	Defective Tablet Collection Bin	Capacity: 25L
		Uninspected Tablet Collection Bin	Capacity: 8L
Pneumatic Unit	Suction blower for the disc and belt conveyor units: 2.2 kW Suction blower for powder collection: 1.5 kW Cooling blower for the lamp unit: 0.4 kW		
Software	Inspection functions	Individual and overall judgments; Input of sensitivity; Inspection condition setting; Output of inspection results; Networking	
	Diagnostic functions	Monitoring of inspection status; Hardware monitoring; Self diagnosis	
	Dimensions	1413W1210D 1720H	
	Power Supply	200 VAC (3-phase), 50/60 Hz,	
	Pneumatic Pressure	0.35MPa	
	Ambient Condition	Temperature 10 - 30C; Humidity 30 - 70%	
	Outer Housing	Stainless Stell	