



LUSTER LightTech Group

PackSheet-450 Sheet-fed Printing Quality Inspection



The PackSheet series are specifically developed for sheet-fed printing quality inspection such as pharmaceutical cartons and tobacco boxes. It is able to inspect defects like streak, missing print, dirty spot, splash, mis-registration, colour deviation, miss stamping, improper position of stamping, concave-convex and foil stamping deficiency. The function of variable data inspection enables it to verify and analyze all types of codes and inspect other code defects.

Clients can also order this equipments in 550mm, 650mm, 820mm and 1020mm web width.

Main Features

- **Excellent Imaging System**

Imaging system with high brightness and high dynamic range enables our equipment to effectively and accurately inspect all defects, especially dirty spot and streak under a dark background.

- **Precise**

It can inspect point defect of minimum 0.1mm² size and streak of 0.06mm width in the speed of 180m/min.

- **Easy to Use**

Only one good image is required for modelling and comparison and no extra adjustment required. It only takes one minute to finish quality standard set-up. Support for automatic positioning and text extraction, and able to set different inspection precisions for different areas.

Technical Specifications

Application	Pharmaceutical Package, Cosmetic Package, Food Package, Tobacco Package etc.
Common Defects	Streak, Illegibility, Dirty Spot, Mis-registration, Colour Deviation, Miss Stamping, Improper Position of Stamping, Concave-convex, Foil Stamping Deficiency
Bar Code Inspection	Code reading, code level analysis, repeated code, code mistakes, mismatch between code and number; Dirty spot, broken line, elongated line, slanting bar code etc.
Max. Inspected Size	350mm (L) × 420mm (W)
Min. Inspected Size	90mm (L) × 90mm (W)
Gram Weight of Paper	180g/m ² ~ 350g/m ²
Max. Production Speed	250m/min
Min. Defect Accuracy(as a point)	0.1mm ² (High Contrast)
Min. Line Defect Accuracy	0.06mm (W) × 5mm (L) (High Contrast)
Miss-Registration	±0.11mm
Colour Deviation ΔE	3NBS~5NBS
Visual System and Inspection Software	
Electrical Control System	Including IPC, Capture Card, Removing Unit, Power and other supporting components
Feeding Method	
Friction Feeding	Fast speed; Specially designed for normal printed paperboard
Suction Feeding	Preventing products from scratching; Especially for mulching and varnishing products
Collecting Method	
Accepted Products Handling	Shingle Stream, Automatic Counting
Rejected Products Handling	Shingle Stream, Automatic Counting
Optional Modules	
Software	Bar Code Inspection Module
Mulching and Concave-convex Inspection	One Imported High-speed Camera (Black&White)
Screen Printing and Varnishing Products Inspection	One Imported High-speed Camera (Black&White)
Back-side Defects Inspection	One Imported High-speed Camera (Black&White)
Back-side Defects Inspection	
Back-side Defects Inspection	6800mm (L) × 2400mm (W) × 1800 mm (H)
Distribution Box Size	1300mm (L) × 500mm (W) × 1500mm (H)
Power Required	AC380V/50Hz/25KW
Weight	4T