

KGK JET CHECKER PK420



**Easy to operate — and much more.
A print inspection system packed with
advanced features.**

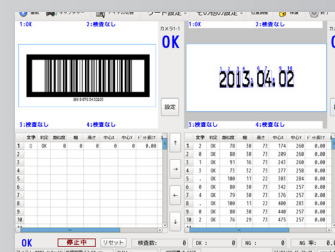
catalog No.9122E



Beyond Character Inspection: Built-in Barcode Inspection

Barcode Inspection

After reading a barcode, the system compares it with the reference text. It supports barcode print-quality control and can also help detect mixed or incorrect packaging materials.



Large Color Touch Panel High Operability

The 10.4-inch color touch panel makes it easy to find the required settings among numerous parameters. Most graphical controls are displayed on a single screen, enabling smooth setup and operation.



Advanced Features for Production Lines

Need finer detection without increasing false rejects?

High Accuracy

PK420 retains the conventional character-segmentation and matching process while adding a dedicated print-quality inspection step. This enables strict evaluation of character quality without excessively tightening character-recognition thresholds.

Reliable Even on Nonstop Production Lines

High Availability

HDD and SSD storage share data to support continuous operation, reliability, maintainability, and serviceability on long-running production lines.



SSD



HDD



Large product? Limited installation space? Concerned about the cost of large lighting?

Wide Field of View

With one trigger, PK420 can capture two shutter images. Each shutter can inspect different print content, including marks, barcodes, and different fonts.

Supports More Detailed Inspection

Selectable Cameras

Choose either the standard camera or an optional 5-megapixel high-resolution camera. The high-resolution model can accurately detect fine missing dots in ruled lines and other detailed prints.

Functions Made Possible by an Inkjet Printer Manufacturer

Printer Synchronization

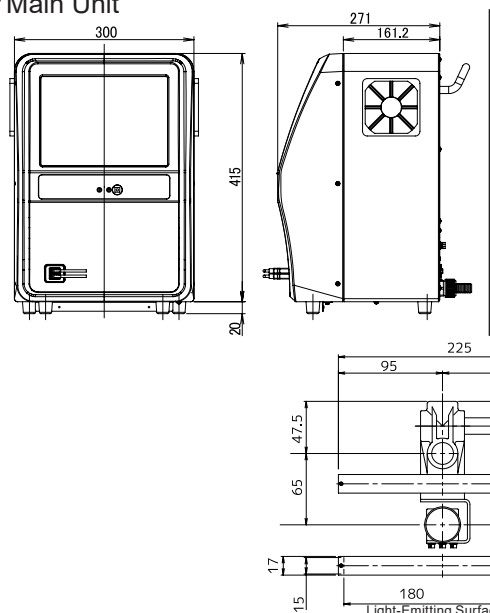
When used in combination with a KGK inkjet printer, the system supports start/stop control, product changeover, inspection text updates, numbering reset, and automatic synchronization of the system clock. In addition to reducing the time and effort required for operation, these functions help minimize human errors such as incorrect data entry.

● Specifications

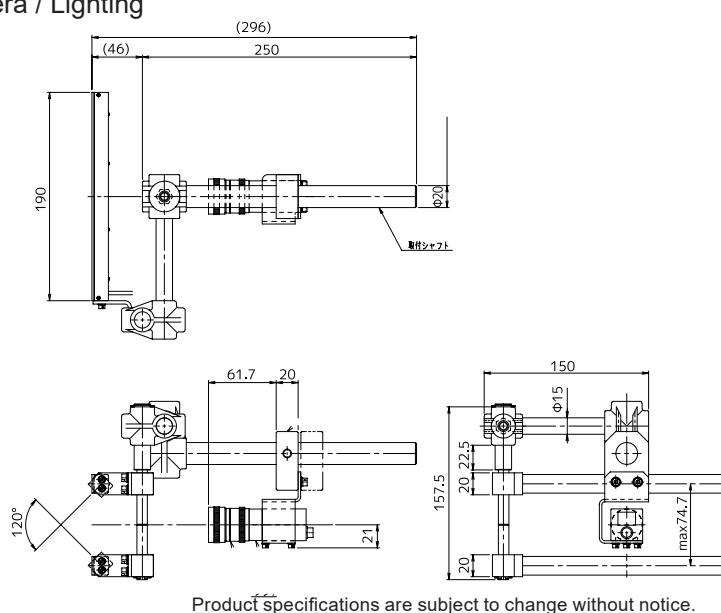
Item	Specifications
Registered Product Types	Max. 1,000
Number of Cameras	1–2 cameras. One camera can inspect two positions, subject to conditions.
Camera Resolution	Standard camera: 0.3 megapixels / High-resolution camera: 5 megapixels
Inspection Items	Wrong print, missing print, position shift, skew, presence/absence, missing dots, and print density
Inspectable Characters	Alphanumeric characters and up to 20 registered symbols; presence/absence inspection for other characters
Characters per Inspection	Max. 20 characters per inspection area; up to four inspection areas per camera
Date/Time Inspection	Conforms to KGK printer specifications
Numbering Inspection	Conforms to KGK printer specifications
Character Assignment	Conforms to KGK printer specifications
Barcode Inspection	ITF / JAN / CODE39 / CODE128 / QR / DataMatrix
Mark Inspection	Pattern matching using a registered image
Image Storage Capacity	Standard camera: up to 18 million images / High-resolution camera: up to 2 million images JPEG format
I/O Signals	Input: 16 points—product change, inspection disable, etc. Output: 12 points—OK/NG, running, processing, continuous NG, alarms, etc.
Interfaces	USB 2.0 × 4, RS-232C × 1
Processing Speed	Standard camera: 70 ms per 10-character image High-resolution camera: 120 ms per 10-character image Performance varies depending on conditions.
Power Supply	AC 100 V ±10%, 50/60 Hz, 500 W Please consult us separately regarding AC 200 V.
Dimensions	300 mm (W) × 261.2 mm (D) × 435 mm (H) Approximately 100 mm of rear clearance is required for camera-cable and other connections.
Operating Environment	5–35°C, 20–80% RH, with no condensation

● Dimensions

▼ Main Unit



▼ Camera / Lighting



Product Specifications are subject to change without notice.