



# CN-130I 自動光學條碼檢測系統 (不良品自動剔除)

## Automatic Barcode Inspection System (Rejection device for defective products)

### 適用範圍

- 檢測條碼、日期、批號等資訊，最適合藥品、醫療器材、生技、化妝品等相關產業。
- 檢查產品包裝、外箱及標籤上的條碼與文字，確保資訊正確。
- 適用多種的一維與二維條碼：GS1-128, QR Code, GS1 DataBar, GS1 DataMatrix, PDF417 ...等。

### 特色介紹

- 光學檢測之軟硬體皆採用日本知名品牌，擁有極準確的辨識率，日本醫藥業的市佔率高達 8 成。
- 主控制系統：日本三菱 PLC，搭配台達 10.4 吋彩色人機觸控螢幕，操作簡易。
- 光學檢測控制系統：15 吋日本品牌彩色觸控螢幕，直覺化輸入設定值，並易於目視確認條碼或文字資訊之即時影像。
- 依「印刷文字、條碼內容、系統內容」執行三方交叉比對，確保資訊正確無誤。
- 日本高精度攝像機，提供高解析度影像品質，可選配兩套鏡頭，方便同時檢查產品包裝及外箱的條碼，提升生產效率。
- 剔除裝置：採用 Fail-Safe 模式，預設為 Fail 剔除，唯有檢測系統確認 Safe 後，才可通過剔除裝置，確保未被剔除之產品皆為合格品。

### 機台規格

機台尺寸	2980(長) x 880(寬) x 2000(高) mm
動力需求	電壓 220V，頻率 50/60Hz，單相，視在功率 1.1KVA
需求空壓	4kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 30 個以上 / 每分鐘 (視產品尺寸而異)
適用紙盒尺寸	可依產品尺寸客製
輸送帶材質	PVC 皮帶
選配項目	(1) 條碼工作車 (附螢幕支架、插座、把手、腳輪) (2) 紙盒自動進料裝置

### Field of Application

- For inspection of barcode, date, batch no, etc. Most suitable for pharmaceutical, biotech and cosmetics industries.
- Check barcode and text content on product package, carton and label to ensure all information are correct.
- Applicable for many types of 1D & 2D barcode, such as Code128, QR Code, GS1 DataBar, GS1 DataMatrix, PDF417, etc.

### Features

- Optical inspection system and software are from famous Japanese brand which has nearly 80% market share of the pharmaceutical industry in Japan.
- Main control system: Japan Mitsubishi PLC and 10.4" color touch screen (HMI). Most data can be set from the screen conveniently.
- Optical inspection control system: Check label images and enter setting information easily from 15" color touch screen (Japanese brand).
- Cross-comparison between printed texts, barcode, database texts to ensure all contents are correct.
- High-precision camera provides excellent checking image quality for accurate inspection performance. Second camera is an optional item for checking barcodes of both product package and carton at the same time.
- Fail-Safe mode of rejection device: Default condition is "Fail", products are passed by rejection device only when they are inspected to be "Safe". This mode ensures barcode and texts on products are not defective.

### Specifications

Machine Dimension	2980(L) x 880(W) x 2000(H) mm
Power Requirement	220V, 50/60Hz, 1 Phase, 1.1KVA
Pneumatic Requirement	4kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 30 PCS / per minute at least (Capacity vary based on different box sizes)
Applicable Box Size	The system is customized according product sizes.
Conveyor Material	PVC belt
Optional Item	(1) Working table (Including: Monitor rack, socket, handle, castors) (2) Automatic box feeding device