

Visual Inspection System

Greentsun® TS5000 Series

The TS5000 series intelligent visual inspection system can complete tasks such as presence detection, barcode reading, OCR detection, positioning, image quality and appearance detection, dimension measurement, liquid level and foreign object detection, and can also customize solutions as requirements.

Greentsun® TS5000 series can read barcodes on packages, detect characters, and detect liquid levels and foreign objects in products, which saving manufacturers' operating costs and improving work efficiency to the maximum extent. It is widely used in food, beverage, pharmaceutical, liquor, printing and other industries.

The visual processing software is compatible with multiple series of cameras and image acquisition devices that support Direct-Show and DCAM drivers. It can directly obtain image data from the hardware and cooperate with the visual tool library to make image processing more efficient and accurate. At the same time, we can provide a software development kit so that users can customize image processing and visual application software and create their own visual application system.



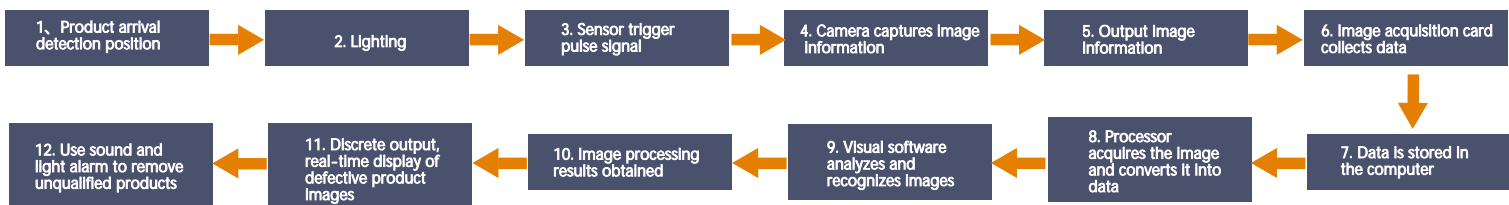
Operator-friendly and stable system

- High-pixel CCD digital imaging , dynamic imaging, accurate identification
- Unique domestication system, wider detecting range
- High-performance, high-speed industrial computers run more stably

More convenient production line linkage

- Built-in multiple interfaces to improve compatibility
- Self-learning, one chip for multiple uses
- Speed synchronization and easy linkage of product on lines

Visual Inspection Process



Grentsun[®] TS5000 Series

Intelligent Visual Inspection System

Detection type

Barcode/character printing defects, shift, excess ink, missing printing, completeness, etc.; character comparison, detection of whether the character/barcode content is correct; detection of the presence/absence of printed content; directionality of the object being inspected; static or dynamic detection; OK/NG products and output corresponding control signals.

Light source configuration

White LED (colorful lights optional)

Resolution

300,000 pixel CCD

Detection speed

Maximum detection speed 20/second

Signal

Input signal: photoelectric sensor;

Output signal: rejection signal, warning light signal, shutdown signal

Working distance

50mm-120mm(camera to object)

Operation interface

Windows or 12-inch color touch screen

Upload and download via USB flash drive

Printing database

Supports multiple database formats (Access, Excel, TXT, SQL Server, Oracle ect.) multiple databases can be loaded at the same time to achieve joint printing

Working environment

AC220V 50Hz 200W 0-50°C

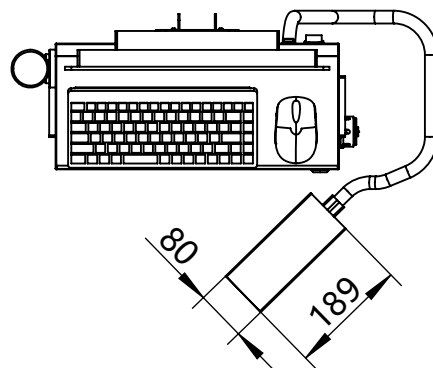
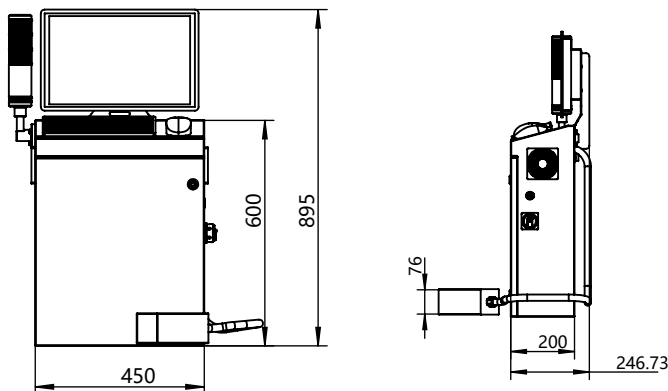
Protection level

IP62

Power requirement

200 to 240V; 50/60 HZ

Dimension



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