

I.C.T X-Ray Component Counting Machine



Introduce:

I.C.T X-Ray component counter uses X-ray imaging technology, applies AI algorithm to detect production materials, obtains image information for fast counting; directly links with factory ERP/MES system, and has a wide range of applications in warehouse management.

Features:

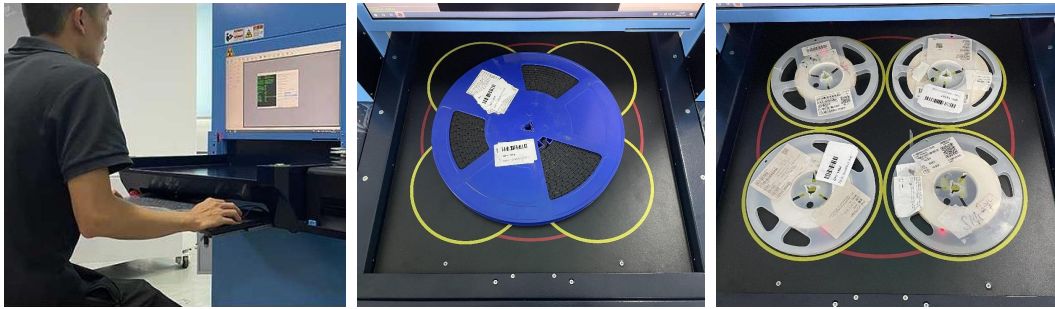
1. Accuracy: 99.99% (0201);
2. Compatible minimum device type:01005 (unit: inch);
3. The highest pointing speed: about 6-10 seconds/4 plate
4. - Calculated based on the minimum size of 01005 (unit: inch) 20,000 points;
5. 7" tray four trays at the same time feeding speed: about 8 seconds;
6. Time including loading and unloading: about 11 seconds;
7. Support multiple sizes of material inventory (7"~15");
- 8.Support automatic data upload to the cloud and synchronization, update the database every month, the longer the time, the more accurate;
9. One-button operation, Intuitive and easy-to-use GUI;
10. Minimize investment cost (super normal introduction cost);
11. High safety, with EU CE Certificate, International Quality Management System ISO, and AERB Certificate for X-ray.

TOP Advantage:

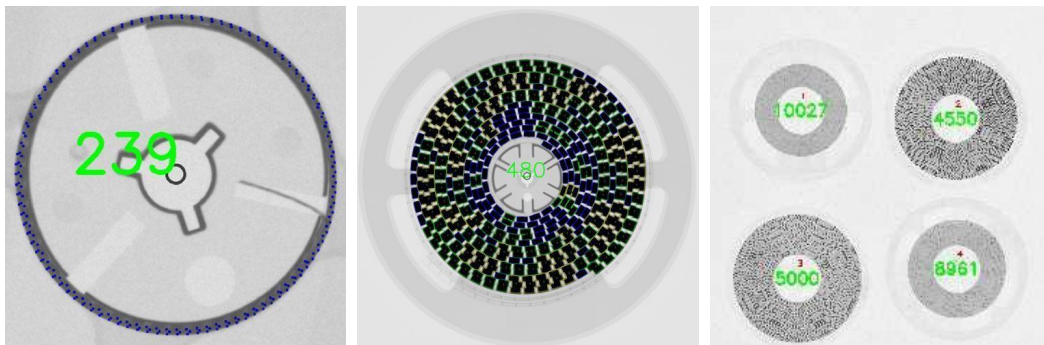
1. Simple: combined with advanced international concepts, easy to understand, easy to learn, easy to maintain;
2. Save time: warehouse management is more efficient, can save 10-20 times the time cost;
3. Hedging: Import hardware configuration, low failure rate in production, more than a decade service life;
4. Safety: Based on the general rules of international design, the highest security level;
5. Stable: mature software, hardware and top production processes ensures stability of each equipment.

Picture:

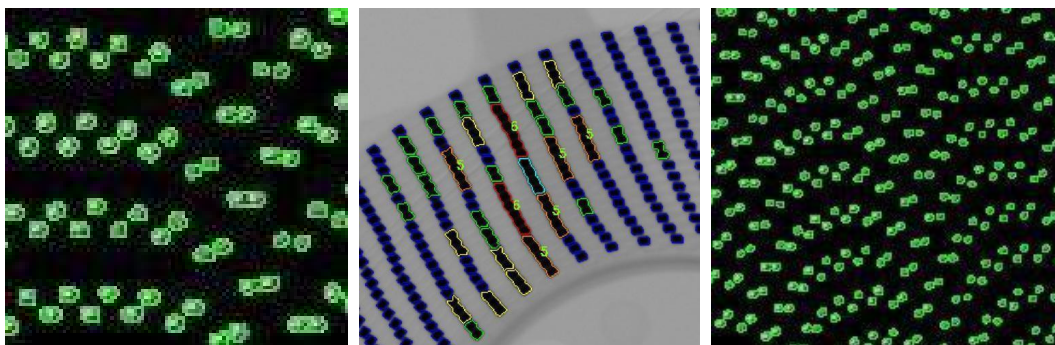
1. Reel Type Image



2. X-Ray Reel Component Counting Image

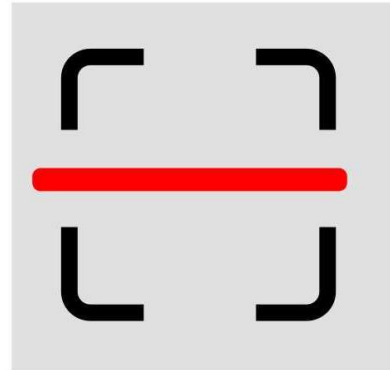


3. Check platform and AI algorithm



Component Counting System

Apply the AI-optimized counting algorithm to realize spot inspection of various materials: standard SMD, dicing tape, JEDEC/Matrix tray, MELF, Aluminum Caps, Soic, To, BGA/CPU, Tantal, filter and other parts. Four material pallets can be counted at the same time, and it only takes 8 seconds to complete, which shortens the counting time of parts pallets, automatically uploads data to the cloud, regularly updates the database, and links with the factory ERP/MES system, greatly saving time and cost. Easy to manage.



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Options: Automatic code reading, double checking, avoiding mistakes, and reducing the waste of time and manpower caused by negligence



Double Security

The sheet metal frame of lead-containing alloy steel plate is equipped with a multi-functional radiation detector that can detect α , β , and γ rays, and has a built-in filter function to add another layer of safety.

Material list:

No.	Item	Brand	Original
1	Flat panel detector	Yi Rui	China
2	X-ray tube	OXFORD	USA
3	Camera	Hikvision	China
4	Camera shot	OPT	China
5	Industrial computer	Advantech	China
6	ISBN printer	TSC	China
7	Monitor	Lenovo	China
8	Motion control card	Googoltech	China
9	Scanner	Honeywell	USA
10	Tray sensor	GPG	TAIWAN/China

Specification:

Model	XC-3100
Tube Type	Closed Tube
Spatial Resolution	30 μ m

Tube Voltage	50kv
Tube Current	1000μA
Image Capture Method	Flat panel digital imaging
Imaging Accuracy	139μm
Image Size	430*430mm
Resolution	3072*3072px
Pixel Accuracy	≤2μm
Imaging Speed	5 EDS/s
Reading Pixels	20 million/inch
False Positive Rate (0201)	≤0.01%
Accuracy	99.99% (0201)
Detectable Minimum Part Size	01005
Operating System	Windows 10
Power	AC110-220V, 50-60HZ, 1200W
Radiation Safety Test	<1 uSV/H
Repeatability Test	≥2.0 sigma
Cycle Time	≤10s/time
Max Tray Diameter	415mm (4-15inch)
Max Tray Height	1-80mm
Max Tray Weight	≤10kg
Dimension (with printer)	950*1460*1960mm
Weight	450kg

* I.C.T keeps working on quality and performance, specifications and appearance may be updated without particular notice.

YouTube: <https://youtu.be/057fCXTN3fA?si=zHGYaQwULIJPbShv>

Thanks for choosing I.C.T.

I.C.T looks forward to win-win cooperation.

Thank you.